2008 handbook

Postgraduate unit of study reference

The University of Sydney

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Acknowledgments

The Arms of the University

Sidere mens eadem mutato

Though the constellation may change
the spirit remains the same

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The information in this publication was as accurate as possible at the time of printing. The University reserves the right to make changes to the information in this publication, including prerequisites for units of study, as appropriate. Please check with faculties for current, detailed information regarding units of study.

Unit of study reference handbook

The unit of study reference handbook is a limited edition publication specifically designed to provide administrative staff and academics with important course information. This reference guide must be read in conjunction with the official faculty student handbook and the University Calendar for a comprehensive overview of course rules and requirements.

Further information

Visit www.usyd.edu.au/handbooks/ for more information about this publication, and to order a copy.

Price

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How to use this reference handbook

The purpose of this handbook

This handbook contains all **postgraduate** units of study in one printed volume. It is particularly useful for staff who need to search for subject and content, regardless of faculty.

Readers may want to browse the general area of *performance*, for example. This may bring them to units of study offered by, say, the faculties of Arts, Education and Social Work, Music or perhaps Visual Arts.

This publication provides a broader perspective on units of study – one that is not restricted by course structure and timetables. It offers an overview of the areas of postgraduate study available at the University of Sydney.

Unit of study reference handbook – two volume set

The unit of study reference is a limited edition publication produced as a two volume set:

- Unit of study reference handbook – undergraduate
- Unit of study reference handbook – postgraduate

How this book is structured

This is a reference handbook of every postgraduate unit of study available in 2008.

The emphasis is on the unit of study and not necessarily its context, which means that units are not sorted by faculty, but rather by alpha-numeric code.

For a complete list of units of study by faculty, please refer to the relevant student handbook by visiting www.usyd.edu.au/handbooks.

Contents

The units of study have been sorted alphabetically by alpha-numeric code. Each chapter represents one letter of the alphabet.

Course information

This publication should be read in conjuction with the relevant student handbook and the University Calendar for a complete overview of official course rules and requirements.

Index

This reference guide contains two indexes:

- Units of study by alpha-numeric code, including faculty
- Units of study by name

Index abbreviations

Abbreviation	Faculty name
AG	Agriculture, Food and Natural Resources
ARCH	Architecture
ARTS	Arts
CON	Sydney Conservatorium of Music
DENT	Dentistry
E&B	Economics and Business
EDU	Education and Social Work
ENG	Engineering and Information Technologies
HSCI	Health Sciences
LAW	Sydney Law School
MED	Medicine
NURS	Nursing and Midwifery
PAN	Pan-Faculty
PHAR	Pharmacy
SCA	Sydney College of the Arts
SCI	Science
VETS	Veterinary Science

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University postgraduate units of study – A

ACCT5001
Accounting Principles
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr class per week **Assessment:** Mid-semester examination; Final examination; Group assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, M Bus, M Com (Hons), M Com, M P Acc, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit provides an introduction to the generally accepted accounting principles and practices underlying financial accounting and reporting. It is intended for both accounting and non-accounting majors. The unit aims to introduce students to the concepts and skills required to prepare, analyse, and interpret financial statements.

ACCT5002
Managerial Accounting & Decision Making
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT5001 **Assessment:** Quiz; Group project - case study; Group presentation; Seminar contribution; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, M Bus, M Com, M P Acc, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit introduces students to the context and processes of management accounting work, considering the role of management accounting technologies in financial resource management. It is argued that management accountants support and inform the ways in which organizational resources are committed to various portfolios, projects, and possible futures, given the crafting of an organization's relationship with its environment. In this unit of study, students will be introduced to the external and internal environments of management accounting work. The main categories of resources available to shape an organization's strategy and financial performance will be outlined (including those acquired through strategic alliances and outsourcing), along with various management accounting technologies accounting for the combination, allocation and performance of these resources.

ACCT6001
Intermediate Financial Reporting
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT5001 **Assessment:** Mid-semester examination; Final examination; Case study; Class presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com, M P Acc, PG Coursework Exchange, PG Summer/Winter School.

This unit is intended to provide an understanding of the contemporary Australian financial reporting environment. Particular attention is paid to accounting theory and concepts, mandatory reporting practices and reporting policies that reflect either a choice from among several mandated alternatives, or those areas where regulation has not occurred. The unit is intended for those who will be involved in the preparation or use of company financial statements. The unit provides an understanding of accounting techniques, both in terms of technical method and their relative impact on corporation's financial statements. The emphasis throughout is on both the 'techniques' and the related explanations for their use.

ACCT6002
International Accounting
Economics and Business

Credit points: 6 **Session:** Summer Main, Winter Main **Classes:** Intensive **Prerequisites:** ACCT5001 **Assumed knowledge:** ACCT6001 **Assessment:** Workshop activities; Seminar presentation; Group assignment; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: This unit of study is being run by the Discipline of International Business. All enquiries should directed to the Discipline of International Business

Associated degrees: Grad Dip Com, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange, PG Summer/Winter School.

Many of the topics in an international accounting course have a domestic counterpart. However, new factors and complications arise in the international arena. Some of these are (1) diversity of laws, practices, customs, cultures, and competitive circumstances; and (2) risks associated with fluctuating exchange rates, differential rates of inflation, and unstable property rights. International accounting discusses issues from the perspective of companies that have internationalised their finance and/or their operations. It has a comparative aspect, comparing accounting across countries. It deals with corporate reporting and disclosure across national boundaries. It also deals with the harmonization of the worldwide diversity in financial reporting, in particular, convergence around International Financial Reporting Standards. It discusses foreign currency translation, a consolidations issue that arises from multinational operations. Finally, it aims to introduce the key issues relevant for undertaking cross-border analysis of financial statements.

ACCT6003
Financial Statement Analysis
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT5001 and FINC5001 **Assessment:** Group case studies; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

This unit helps students to develop an understanding of the techniques of financial statement analysis in various contexts, for example: equity investment; credit evaluation; risk analysis; prediction of corporate failure; analysis of supplier/customer health; competitor analysis; regulatory overview or intervention; and valuation for takeover/restructuring. A primary purpose of this unit is to develop an understanding of these techniques, as well as the inherent difficulties in their application. Topics covered include analysis of business performance and disclosure, the analysis of earnings quality, cash flow assessment, credit worthiness and accounting-based valuation methods.

ACCT6005
Management Control Systems
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 3hr class per week **Assessment:** Continuous assessment and final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

This unit of study examines the design and operation of 'management control systems' (MCS), considering also the role of management accounting technologies in this. In doing so, a variety of research-based readings and theoretical frames are mobilised to help understand this important facet of organisational functioning and application of management accounting work. Topics to be covered include: typologies of MCS; arguments relating to the fit and effectiveness of MCS; the connection between strategy and MCS; the role of performance measures in MCS; MCS and hybrid organisational

spaces; MCS and the management of intellectual capital; MCS and the New Economy; and the evolution of MCS.

ACCT6006
Advanced Managerial Accounting
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT5002 **Assessment:** Seminar assignments; Seminar participation; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

This unit examines a number of advanced topics in managerial accounting as they relate to the use of management accounting for decision making. The topics are biased towards those that are relevant and even contentious to contemporary practice and include: the potential inconsistencies between management accounting and strategic decision making and control, yield management and value pricing issues, the theory of the firm and outsourcing, issues in managing joint ventures and strategic alliances, what we can learn from Japanese management techniques and innovation in management accounting practice. An overview of each topic area is provided before exploring the topics more deeply by examining current research and/or working through case studies to provide insights into commercial practice.

ACCT6007
Contemporary Issues in Auditing
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Early **Classes:** 1 x 3hr class per week; several voluntary remedial workshops on Saturdays plus 3 mandatory Saturday case study sessions - taught in intensive mode. **Prerequisites:** ACCT6001 **Assessment:** Mid Semester examination; Individual project; Group presentation; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com, M P Acc, PG Coursework Exchange, PG Summer/Winter School.

This unit seeks to improve students' understanding of the function, nature and procedures of commercial auditing in the context of corporate financial reporting. It has particular regard to auditing business, legal and economic foundations. Recurrent reference is made to several practical and policy matters of contemporary importance to auditing and auditors, especially as they relate to the function of auditing in ensuring the quality of corporate financial statements and the role of auditors in corporate governance. Matters related to modern cases like Enron, WorldCom, HIH, One.Tel, Parmalat, China Aviation Oil and Daewoo are also discussed.

ACCT6010
Advanced Financial Reporting
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Early **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT6001 **Assessment:** Case studies; Mid-semester examination; Class participation; Final examination; **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com, M P Acc, PG Coursework Exchange, PG Summer/Winter School.

This unit is intended to provide students with a detailed understanding of more complex financial reporting issues. Some of the topics examined include: group accounting issues such as the practical application of the control test; multiple subsidiaries; foreign currency translation; consolidated cash flow reporting; segment reporting; accounting for joint ventures and associates; related party and corporate governance disclosures. The unit builds on the knowledge base acquired from earlier accounting studies with strong emphasis on the application of technical skills. The unit has a substantial case component, using current examples to illustrate both appropriate technical solutions in accordance with accounting standards and guidelines, as well as the forces which determine the choice of solution from among otherwise acceptable alternatives. The course material will help develop student's ability to read and analyse financial reports and an understanding of the financial statement implications of certain management decisions relating to organisational structure, investments and financing choices.

ACCT6014
Designing Accounting Systems
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT5001 **Assessment:** Class presentation; individual projects; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

The design of accounting systems necessarily reflects differences in the needs of sole traders or family-owned businesses, small to medium enterprises, and multi-national business firms. Elements of those systems include methods of documenting transactions, transformations and events; internal control procedures designed to safeguard human physical and financial resources; recording methods (manual, semi-automated or fully automated); and methods of periodic reporting on financial and operating activities to managers or governing bodies. The unit examines issues associated with the design of accounting systems and associated business processes in order to harness the capabilities of contemporary business applications software in a cost-effective and secure manner. Topics include the design of charts of accounts, maintaining audit trails; records management and compliance; history of financial applications software; illustrations of the use of inexpensive commercial off-the shelf software in developing budget models, maintaining records to enable compliance with tax rules; examination of the risks that arise with the use of some contemporary software packages, and how those risks might be addressed or managed; illustrations of the capabilities of contemporary enterprise resource planning systems.

ACCT6015
Extended Performance Reporting
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 1 x 3hr class per week **Assessment:** Group Presentation; Individual assignment; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

This unit will review the issues associated with new reporting models which have been practised in the last decade and highlight current and possible future issues. These new reporting models claim to enhance understanding of organisational performance to a variety of stakeholders, and are based on new performance measurement technologies that arguably improve decision making. This unit of study is designed to provide a critical analysis of the issues surrounding organisation performance and will explore the key underlying issues associated with the emergence of these new reporting models. The unit will look at how the reporting of economic and non-economic performance will enable private, public and third sector organisations to provide an account of their value creation and sustainability performance. It will also explore the perspectives of significant bodies of research on reporting value-creating activities and non-economic performance.

ACCT6101
Special Topic in Accounting
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** To be confirmed **Assessment:** To be confirmed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 0

Associated degrees: Grad Dip Com, M Bus.

Study of a special topic in postgraduate Accounting. Topics will vary from semester to semester. Please check with the Discipline of Accounting for further details.

ACCT6116
Corporate Collapse

Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 3hr class per week **Prerequisites:** ACCT5001 **Assumed knowledge:** ACCT6001 **Assessment:** Case studies - oral and written presentation; Class participation; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

This unit seeks to identify the organic characteristics of corporate crises with a view to providing insight to the nature, pattern, and development of, and the signals heralding, the managerial, organisational and financial factors contributing to corporate distress, sometimes resulting ultimately in collapse. Further, implications for regulations and governance of corporate affairs are explored. Historical and current cases are examined. Matters related to historical cases such as Insull and Kreuger in the US and Royal Mail in the UK, and modern cases like Enron, WorldCom, HIH, One.Tel, Parmalat, Westpoint, Fincorp and James Hardie are discussed. The unit adopts a forensic accounting and managerial analysis of corporate events. Forensic, insofar as many of the insights into the accounting and managerial practices used come from the dissection, an autopsy, of failed companies. Because of the ineffectiveness of many corporate governance mechanisms in place, frequently such insights are discoverable only after the failure or distress has arisen.

ACCT6118
Public Sector Accounting
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 1 x 3hr class per week **Assumed knowledge:** ACCT5001 **Assessment:** Class presentation; Class participation; Assignment; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

This unit of study is intended to familiarise students with the main features of accountability arrangements in the public sector. It explores the way in which public sector accounting differs from practices commonly adopted in the private sector, and explores issues arising from the wider use of accrual accounting and accrual budgeting by general government agencies and by state owned corporations. It refers to both local and international developments in budgetary arrangements, and international developments in financial reporting for different tiers of government. Topics examined include the design of performance indicators for public sector agencies, and the conduct of performance audits.

ACCT6119
Public Sector Accounts & Accountability
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 3hr class per week **Assessment:** Class presentation; Class participation; Assignment; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip H Pol, M Bus, PG Coursework Exchange.

This unit of study does not require prior study in accounting. The objective of the unit is to assist students to appreciate that financial matters permeate all parts of the public sector, and affect all public sector activities. This unit focuses on accountability structures and arrangements in the public sector, especially those emerging from the changes over the past two decades that have shaped public sector accounting and accountability arrangements today. This unit locates public sector accounting within its wider social, cultural and political setting, and introduces students to some research literature, which is used to help frame analysis and discussion. Emphasis will be on public sector organisations in an Australian and international context. The unit is intended to complement GOVT6327 Managing Public Expenditure. However, it may be taken as a stand alone subject by those interested in the contemporary public sector.

ACCT6120
Corporate Governance and Accountability

Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Assessment:** Individual essay; Group case study; 3hr Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert P A, Grad Dip Com, M Bus, PG Coursework Exchange.

The focus of this unit is on systems of corporate governance and the processes of accountability through which they are effected and effective. The course will introduce students to the roles of key institutions through which governance is effected; boards of directors and within these executive and non-executive directors, investors and pension funds, analysts, regulators and the media. The course will also introduce students to the key conceptual frameworks through which corporate governance has been studied; agency theory, stakeholder theory, stewardship theory, resource dependence theory and theories of accountability and governance. The course will look at emergent issues within corporate governance including the emergence of new standards in relation to corporate social responsibility, the conduct of multi-nationals, and contrasting theories of international convergence or path-dependence in relation to corporate governance in both developed and emergent economies.

ACCT7001
Accounting Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required across the 4 units for the pass degree major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Entry to this unit of study is at the discretion of the Accounting Discipline

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ACCT7002
Accounting Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required across the 4 units for the pass degree major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Entry to this unit of study is at the discretion of the Accounting Discipline

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

AERO5010
Optimisation Methods in Aerospace
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr K Srinivas **Session:** Semester 1 **Classes:** (two 1-hour lectures, one 2-hour tutorial/laboratory)/week **Prerequisites:** BE or equivalent experience **Assessment:** Report (50%) Exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives/Expected Outcomes:

The unit is intended primarily to graduate students and senior undergraduate students with some background in linear algebra, and with basic knowledge of FORTRAN, C++ or Matlab. After completion of this unit, students will have a much deeper understanding of methods used in modern design optimisation for linear and non-linear problems. Such problems are becoming increasingly common and important in engineering and scientific work. The unit will explore the limitations, advantages and caveats associated with optimisation in engineering applications. Students will develop their own optimisation

methods for linear, non-linear, and multi-objective computational and experimental applications.

Syllabus Summary:

Introduction to design optimisation -Designs that can be optimised. Problem classification. Closed form methods. One dimensional convex methods. Multidimensional convex methods. Constrained problems. Stochastic methods - Evolutionary algorithms. Multi-objective problems and game theory - Pareto, Nash and Stackelberg approaches.

Textbooks

Reference Books:
Press, W. H., Teukolsky, S. A., Vetterling, W. T., Flannery, B. P. Numerical Recipes in C: The Art of Scientific Computing, Cambridge University Press, 1992.
More advanced topics covered by course notes supplied.

AERO5200
Advanced Aerodynamics
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Douglass Auld **Session:** Semester 1 **Classes:** (Two 1-hour lectures, one 2-hour tutorial/laboratory)/week **Prerequisites:** BE with AERO3200, AERO4200 or equivalent experience **Assessment:** Assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives/Expected Outcomes:

To develop a specialist knowledge in the fields of computational, non-linear and unsteady and aerodynamics. The develop familiarity with the techniques for predicting airflow/structure interactions for aerospace vehicles.

Syllabus Summary:

(a) Advanced two and three dimensional panel method techniques; calculation of oscillatory flow results; prediction of aerodynamic derivatives. Pressure distributions for complete aircraft configuration. Unsteady subsonic flow analysis of aircraft; calculation of structural modes. Structural response to gusts; aeroelasticity; flutter and divergence. Solution of aerospace flow problems using finite element methods.

(b) Unsteady supersonic one-dimensional flow. Hypersonic flow; real gas effects. Introduction to the use of CFD for transonic flow.

(c) Rarefied gas dynamics. Direct simulation method (DSMC); near-continuum solutions. Simulation techniques for numerical solutions of non-linear continuum flow.

Textbooks

Reference books:
Abbott and Von Doenhoff Theory of Wing Sections. (Dover,1959)
Bertin and Smith Aerodynamics for Engineers (Prentice Hall, 1979)
Fung An Introduction to Theory of Elasticity (Dover, 1969)
Bird, GA Rarefied Gas Dynamics (Oxford University Press 1992)

AERO5301
Applied Finite Element Analysis
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Liyong Tong **Session:** Semester 1 **Classes:** 2 lec/wk plus prac classes **Assessment:** one 2hr exam. Class work is assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace).

The finite element method. Philosophy. Matrix algebra. Matrix analysis of structures. Generalisation of the finite element method in elasticity for static, dynamic and thermal analysis. Rod elements. Beams. Triangular elements for plane stress. Natural coordinate systems. Introduction to plate and shell theory. Theories and analysis in structural stability. Three dimensional elements. Modelling strategies. Isoparametric elements, accuracy and convergence. Applications of finite element modelling in solid mechanics. Practical modelling of real structures will be done; a 'hands-on' approach will be taken.

Textbooks

Reference book:
Cook Concepts and Applications of Finite Element Analysis (Wiley, 1989)

AERO5400
Advanced Aircraft Design Analysis
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Kee Choon Wong **Session:** Semester 2 **Classes:** (Two 2-hour lecture/tutorial/laboratory)/week **Prerequisites:** BE with AERO3460, AERO4460 or equivalent experience **Assessment:** Reports (90%), Presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives:

To provide familiarity and understanding with practical aircraft design processes expected in industry, including the evaluation and case studies of existing aircraft designs.

Expected Outcomes:

Students should gain a better understanding of relevant issues particularly related to the design of aircraft with a level of confidence to lead them to develop new designs or modifications, having a good balance between theory and real-world applications. Good familiarity with unique and stringent international aviation regulations and certification processes will be expected with respect to the design of aircraft.

Syllabus Summary:

Specialist lectures and projects to examine aircraft design case studies. Two 2-hour classes per week, comprising of a combination of lectures, tutorials, laboratories, workshops, design meetings, and design presentations. Topics coved by the lectures will include aircraft specifications; aircraft selection and evaluation; aircraft configuration design; design considerations for aerodynamics, structures, systems, manufacture, testing, certification, life-cycle-cost, operations; the use of computational aircraft design tools, in particular DARcorp's Advanced Aircraft Analysis (AAA); and introduction to multidisdipinary design optimisation methods. Projects will be based on case study analyses and evaluation of aircraft types to operational specifications and requirements.

Textbooks

Reference books:
J. Roskam, Airplane Design Part I to VIII (8 volumes), DARcorporation
D. P. Raymer, Aircraft Design: A Conceptual Approach, AIAA Education Series
J. P. Fielding, Introduction to Aircraft Design, Cambridge University Press
L. R. Jenkinson & J. F. Marchman III, Aircraft Design Projects for Engineering Students, Butterworth-Heinemann

AERO5500
Flight Mechanics Test and Evaluation Adv
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Peter Gibbens **Session:** Semester 2 **Classes:** (Two 1-hour lectures, one 2-hour tutorial/laboratory)/week. **Prerequisites:** BE with AERO3560, AERO4560 or equivalent experience. Students who do not have sufficient background may be required to undertake selected units of compatible undergraduate courses a-priori or concurrently. **Assessment:** Report (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives: To provide analytical and practical skills in the evaluation of aircraft handling and flight characteristics. To develop an understanding in the use and application of state estimation methods to flight path reconstruction and flight test data compatibility checking. To develop an understanding of and give experience in the use of parameter estimation methods in the identification of the aerodynamic characteristics and flight dynamics of aircraft. To develop an understanding of the development of advanced flight control, guidance, and navigation systems using modern control techniques.

Expected Outcomes:

It is intended that students will acquire an appreciation of the importance and roles of the various components that make up current and future flight systems, including the nature of interaction of these components from a systems engineering perspective. Students will gain skills in the analysis, design and integration of the components of modern flight systems. Students will be able to plan and execute flight test courses, data extraction and analysis procedures, and evaluation of complete system performance.

Syllabus Summary: This course provides in-depth coverage of concepts, techniques and procedures involved in the analysis, test and evaluation of aircraft flight characteristics and the development and evaluation of modern automatic flight systems. The course is intended for students studying at postgraduate level and who already have a substantial knowledge of Flight Mechanics and classical flight control systems design techniques. The course involves a series of lectures together with a large component of project work involving the evaluation of a flight system, simulated testing procedures and analyses and development of advanced flight systems including state estimators, advanced controllers and integrity monitoring components. The course will involve the use of real-time and hardware-in-the-loop simulation facilities.

Textbooks
Reference Books:
Etkin, Dynamics of Atmospheric Flight - 2PndP Edn. (Wiley, 1972)
Stevens and Lewis, Aircraft Control and Simulation (McGraw-Hill, 1995)
Blakelock, Automatic Control of Aircraft and Missiles - 2PndP Edn. (Wiley 1991)
Franklin, Powell and Emami-Naeini, Feedback Control of Dynamics Systems - 4PthP Edn. (Prentice-Hall 2002)

AERO5750
Unmanned Air Vehicle Systems
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Hugh Stone **Session:** Semester 2 **Classes:** 2 hour lecture plus 2 hour tutorial/lab per week. **Prerequisites:** BE or equivalent **Assessment:** Quiz (10%), Assignments (50%), Examination (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives/Expected Outcomes: To develop specialist knowledge and understanding of Unmanned Air Vehicle (UAV) systems. To be able to assess, evaluate and perform preliminary design analysis on complete UAV systems.

Syllabus summary: This course will focus on understanding UAVs from a system perspective. It will consider a variety of key UAV subsystems and look at how these interact to determine the overall effectiveness of a particular UAV system for a given mission. Based on this understanding it will also look at the evaluation and design of a complete UAV system for a given mission specification. Some of the primary UAV subsystems that will be considered in this course are as follows.

"Airframe and Propulsion: The role of the basic airframe/propulsion subsystem of the UAV in setting operational mission bounds for different classes of UAVs, from micro UAVs, through to larger vehicles.

"Flight Control and Avionics: Typical UAV primary flight control systems; Sensor requirements to support different levels of operation (eg auto-land vs remote-control landing etc.,); Redundancy requirements.

"Navigation: Navigation requirements; inertial navigation; aiding via use of GPS; strategies to combat GPS failures.

"Typical Payloads: Electro-Optical (EO); Infra-Red (IR); Electronic Warfare (EW); Electronic Surveillance (ES); Radar and others. Payload stabilization and pointing accuracy requirements.

"Air-Ground Communication Link: Typical Civilian and Military communication links. Range, Security, Bandwidth, Cost issues.

"Ground Station: Air-vehicle monitoring; payload monitoring; data dissemination; control of multiple vehicles.

The course will also consider other general issues associated with modern UAV systems including multi-vehicle systems, certification of UAV systems and others. As part of the course students will spend 1 day operating a UAV system, with their own mission guidance/mission control software on board.

Textbooks
References:
To be nominated.

AERO5901
Project 1 and Seminar in Aerospace Eng
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Various Academic Staff **Session:** Semester 1, Semester 2 **Classes:** No formal classes **Prerequisites:** BE or equivalent **Assessment:** Report (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives: To develop an understanding of carrying out aerospace engineering projects, enhance students' ability in handling complex engineering cases and in technical organisation and communication, and to provide students an opportunity to understand project research.

Expected outcomes: Students will understand the major issues in project investigation on aerospace engineering with improved ability and skill of systematic organisation of projects and technical communications.

Syllabus summary: Each student enrolled needs to consult with the prospective supervisor(s) to apply for a project topic in manufacturing and automation. The student can also propose his/her own topic in the field when the supervisor(s) permit(s) him/her to do so and agree(s) to offer consistent supervision. Under the guidance of the supervisor(s), the student will learn how to develop a proposal, how to do the project investigation and how to prepare and carry out the technical communications (writing and oral). In any of these scenarios, the student is directly responsible for the progress and quality of the results. At the end of the semester, the student is required to submit a written project report and to give a seminar presenting the aims and achievements of the project.

Textbooks
To be nominated by the supervisor(s) guiding the project

AERO5902
Project 2 and Seminar in Aerospace Eng
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Various Academic Staff **Session:** Semester 1, Semester 2 **Classes:** No formal classes. **Prerequisites:** BE or equivalent **Assessment:** Report (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives: To develop an understanding of carrying out aerospace engineering projects, enhance students' ability in handling complex engineering cases and in technical organisation and communication, and to provide students an opportunity to understand project research.

Expected outcomes: Students will understand the major issues in project investigation on aerospace engineering with improved ability and skill of systematic organisation of projects and technical communications.

Syllabus summary: A student enrolled in AERO5901 Project 1 & Seminar in Aerospace Engineering in his/her first semester can continue on Project 1. If the student prefers to select different project topic, he/she needs to consult with the prospective supervisor(s) to apply for a new project topic in aerospace engineering. The student can also propose his/her own topic in the field when the supervisor(s) permit(s) him/her to do so and agree(s) to offer consistent supervision. Under the guidance of the supervisor(s), the student will learn how to develop a proposal, how to do the project investigation and how to prepare and carry out the technical communications (writing and oral). In any of the above scenarios, the student is directly responsible for the progress and quality of the results. At the end of the semester, the student is required to submit a written project report and give a seminar presenting the aims and achievements of the project.

Textbooks
To be nominated by the supervisor(s) guiding the project

AFNR5003
Biometry
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** 5 hrs workshops/wk, individual consultation and research 1 hr/wk **Assumed knowledge:** BIOM2001 or equivalent **Assessment:** Reports (25%), assignment (20%), presentation (5%), exam (50%). All open book. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit is an elective available to students enrolled in either the GradCertAgr, GradDipAgr or MAgr degrees. It is designed for students who are interested in research and is intended to further develop your skills in experimental design and statistical modeling. It builds on the topics introduced in the undergraduate unit Biometry 2, and aims to give students sufficient skills and confidence to complete the analysis of their own research data. As such it is particularly useful for MAgr students completing the Research Project, AFNR5903. We start by learning how to determine the number of replicates to use in an experiment. We revise multiple regression and extend the linear model to a time series system. We then examine how normally distributed data from designed experiments can be analysed in a general linear model framework, and hence how to cope with missing or incomplete data. The difference between maximum likelihood and residual maximum likelihood (REML) is studied for a single sample. A REML analysis is obtained for complete and incomplete factorial designs; for fixed, random and mixed models; for data collected from repeated observations on the same experimental unit. Next, we consider various techniques for the analysis of non-normal data, specifically: logistic regression for binary and proportion data; Poisson regression for count data; loglinear modelling for multi-way contingency tables; ordinal and nominal logistic regression for scores & ratings. The assignment is to design and analyse data from either an undergraduate 4th year or postgraduate coursework student research project.

Textbooks

Clewer, A.G. and Scarisbrick, D.H. (2001). Practical Statistics and Experimental Design for Plant and Crop Science. West Sussex: John Wiley & Sons.
Dytham, C. (2003). Choosing and Using Statistics: A Biologist's Guide. Oxford: Blackwell.
Mead, R., Curnow, R.N. and Hasted, A.M. (2003). Statistical Methods in Agriculture and Experimental Biology, 3rd ed. Boca Raton: Chapman & Hall/CRC.

AFNR5101
Plant Agricultural Biotechnology
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof Peter Sharp, Dr Neil Howes **Session:** Semester 2 **Classes:** 24hrs lectures and 36 hours of other work (practicals, computer database examination, seminars) **Prohibitions:** GENE4013 **Assessment:** 3hr exam, reports, assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Lectures and other work covering the structure and function of plant genomes and genes, the technology and results of DNA transformation and the analysis of plant traits by molecular techniques including by genetic mapping using molecular and other genetic markers.

AFNR5102
Food Science A
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell, (Coordinator), Dr Meredith Wilkes, A/Prof Neil Howes, Prof Les Copeland **Session:** Semester 1 **Classes:** 24 hrs of lectures and 36 hrs of laboratory during the semester **Prohibitions:** AGCH3025 **Assessment:** One 2hr exam, laboratory reports, assignment, theory of laboratory test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study aims to give students an understanding of the constituents of foods and fibres.

The lecture topics cover the chemistry, biochemistry and processing behaviour of major food constituents - oligosaccharides, polysaccharides, lipids and proteins; the relationship between molecular structure of constituents and their functionality in foods; anti-nutritional and toxic constituents of plants and foods; chemistry of dietary fibre; wheat flour doughs and protein chemistry during baking and cooking; foams and emulsions, thickening agents; enzymes in foods and food processing.

The laboratory exercises aim to give students an understanding of the methods used in the analysis of foods and other biological materials, and will include analysis of carbohydrates including starch; wheat flour swelling volume and the RVA; analysis of edible oils; spectroscopic and enzymic methods.

AFNR5103
Food Science B
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell (Coordinator), Dr Meredith Wilkes, A/Prof Neil Howes, Prof Les Copeland **Session:** Semester 1 **Classes:** 18 hrs of lectures and 25 hrs of laboratory during the semester **Prohibitions:** AGCH3026 **Assessment:** Essays, laboratory reports, poster and oral presentation; theory of laboratory test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study aims to give students an understanding of global food systems and global food security. In the lecture/seminar/workshop component topics covered will include the sustainable production of major food crops; the role of genetically modified crops in food sustainability and quality; principles and methods in food quality control and assessment; chemical and biochemical aspects of food quality in relation to food processing and nutritional values.

The laboratory exercises aim to give students an understanding of the methods used in the analysis of foods and other biological materials, and will include analysis and examination of protein functionality in foods; spectroscopic, enzymic, and chromatographic methods.

AFNR5104
Environmental Chemistry A
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof Ivan Kennedy (Coordinator), Dr Robert Caldwell, Prof Les Copeland **Session:** Semester 1 **Classes:** 18 hrs of lectures/tutorials and 18 hrs of laboratory during the semester, 6 day field trip **Prohibitions:** AGCH3030 **Assessment:** One 2hr exam, field trip reports, laboratory reports and special exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit commences with a field trip to the Namoi and the Macquarie Valleys, where agriculture largely based on irrigation has developed. Environmental impacts on soil and water of agricultural enterprises such as cotton farming and human settlement will be assessed. Field observations on pH, nutrient and salt content, pesticide and heavy metal content will be made on water, sediment, soils and in constructed wetlands, with samples returned for more detailed laboratory analysis at the University. Lectures will complement the field trip, including topics such as environmental chemistry of heavy metals, their effects on organisms, 2; mechanisms of tolerance and phytoremediation, 2; risk assessment of pesticides including herbicides, their mode of action and environmental fate, 4; analysis and monitoring of pesticide residues by GC, GC-MS and immunoassay (ELISA), 3; maximum residue limits (MRLs) and residue surveys, 2; remediation of pesticides in ecosystems, 2; design of new pesticides and means of pest control, 3. Laboratory sessions will be related to these lecture topics, including six sessions on atomic absorption analysis for nutrients and heavy metals, mercury analysis, pesticide analysis by GLC, GC-MS, HPLC and ELISA

AFNR5105
Environmental Chemistry B
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof Ivan Kennedy (Coordinator), Dr Robert Caldwell, Prof Les Copeland **Session:** Semester 2 **Classes:** 5-day field trip in AVCC common break; 18 hr lectures/tutorials; 24 hr laboratory classes and project during semester **Prohibitions:** AGCH3031 **Assessment:** One 2 hr exam, field trip report and presentation, prac and project reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This is a field-oriented unit in the environmental chemistry relevant to global warming/climate change to (i) provide students with an

understanding of chemical and biochemical processes in rural ecosystems and their sustainability, using case studies of causes and possible remedies for environmental impacts (ii) to undertake a field trip to illustrate case studies related to climate change, including work at research centres and field sites in eastern Australia (Canberra, Snowy Mountains, and the Murray and Murrumbidgee catchments) (iii) laboratory sessions and one group research project selected to study such a problem and to recommend solutions in a professional setting. This unit of study will focus on chemical and biological factors involved in the generation of the enhanced greenhouse effect and its impact on rural ecosystems. Practical solutions will be sought by students, based on a field theory relating the generation of molecular and biological action in ecosystems to the dissipation of solar energy to outer space. Lectures will include the environmental carbon cycle, nitrogen and sulphur cycles, covering bioenergetics and production of greenhouse gases; detailed pH and charge balancing on nutrient uptake; acidification of ecosystems and effects on plants and animals; remediation and control of greenhouse emissions; remediation of acidification and salinisation in rural environments. The laboratory sessions and the group project will illustrate these environmental processes, including measurement of greenhouse gas production, NOx, photosynthesis and nitrogen fixation, monitoring of endocrine-disrupting compounds using GLC, HPLC and ELISA.

AFNR5106
Ecochemistry
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Professor Ivan Kennedy, Dr Robert Caldwell **Session:** Semester 2 **Classes:** 20 hr lectures and tutorials, 25 hr prac and 5-day field trip in the AVCC break **Prohibitions:** AGCH3030, AGCH3031, AGCH3032 **Assumed knowledge:** Intermediate level material in the areas of agricultural chemistry, chemistry, biochemistry **Assessment:** One 2 hr exam (50%), field trip report(s) (25%), prac reports (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This field-oriented unit will develop professional expertise in rural ecochemistry, measuring impacts on sustainability and seeking solutions to chemical problems at the catchment scale. AFNR5106 builds on intermediate and senior units in environmental chemistry or biochemistry. It will promote knowledge and professional skills related to key chemical processes in ecosystems causing risks to soil and water resources, the quality of agricultural produce and to ecological biodiversity. These will be examined by quantitative risk analysis, targeted monitoring and remediation, seeking innovative solutions (e.g. IPM and genetic modification).

A field trip in the AVCC break and professional report will investigate relevant case studies at selected centres in eastern Australia doing innovative research on global warming and climate change, soil and water quality and environmental protection. Lectures will provide knowledge in the environmental C, N and S cycles important for sustaining action in ecosystems, the nature of greenhouse gases and mitigation of their production including C sequestration, risks to biota (soil, water, plants, animals) from acidification and innovative means of remediation, environmental risk from pesticides and other pollutants, monitoring and their remediation. In laboratory exercises, students will gain skills in relevant analyses using GC, LC, mass spectrometry and ELISA. The assessment procedures are designed to provide students with skills in definition of research problems and risk assessment, quality in analyses, risk management and remediation, and effective communication of outputs.

AFNR5107
Analytical Chemistry A
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell (Coordinator) **Session:** Semester 1 **Classes:** 22 hrs of lectures and 32 hrs of laboratory during the semester **Prohibitions:** AGCH4007 **Assessment:** One 2-hr exam (30%), laboratory reports (30%), major assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Lecture, reading list and laboratory topics will cover the theory and fundamentals of both common and advanced instrumentation used in analytical chemistry. Topics will cover ion selective electrode technology, pH meters, and other electrochemical devices; centrifuge and ultracentrifuge instrumentation, maintenance and applications, instrumentation in atomic and molecular spectrophotometry, gas and liquid chromatography, gel and capillary electrophoresis; automated derivatization methods; mass spectrometry, and immuno-analytical technology.

AFNR5108
Plant Cytogenetics
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Norm Darvey **Session:** Semester 2 **Classes:** 24hrs lectures and 36 hours of other work (practicals, computer database examination, seminars) **Prohibitions:** GENE4011 **Assessment:** 3hr exam, reports, assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Lectures in cytology and cytogenetics, with special emphasis on cereals and the application of chromosome engineering to plant breeding. The laboratory unit includes routine cytological procedures and tissue culture technology.

AFNR5109
Plant Breeding
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Norm Darvey **Session:** Semester 1 **Classes:** 24hrs lectures and 36 hours of other work (practicals, computer database examination, seminars) **Prohibitions:** GENE4012 **Assessment:** 3hr exam, reports, assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Lectures and practical work devoted to the theory, philosophy and practice of plant breeding, screening techniques, conservation of genetic variability, breeding for disease resistance, the use of tissue culture in breeding, with examples from both field and horticultural crops.

AFNR5201
Crop Agronomy
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 1 **Classes:** Block intensives/workshops, excursion **Assumed knowledge:** (AGRO3001 Agronomy 3 or AGRO3002 Agronomy 3) and (PLNT2003 Plant Form and Function or PLNT2903 Plant Form and Function (Advanced)) **Assessment:** Report, oral presentations and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit examines agronomy as the discipline that underpins agricultural production. Two industries are studied to gain appreciation of the main agronomic principles of crop production. Most principles can be applied to dryland crops even though the emphasis in this unit is on irrigated crops. As a case study, the cotton industry is examined in detail to understand the end-user and social demands on agricultural production, the technical issues that challenge the farmer and the diversity of other specialist information from relevant disciplines such as entomology, pathology and soil science that must be integrated into the farming system. Likewise the rice industry provides a contrasting farming system as another case study. The unit includes a one-week excursion to cotton growing areas in northern NSW, specialist intensive instruction provided by the Cotton CRC and a series of workshops) tutorials that provides analysis and synthesis of the major farming systems in this industry.

AFNR5202
Professional Practice in Agronomy

Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 1 **Classes:** Pracs, workshops as advised, field work **Assumed knowledge:** Equivalent of BIOM2001 Biometry 2 and (AGRO3001 Agronomy 3 or AGRO3002 Agronomy 3). Students should have a grasp of experimental design and analysis **Assessment:** Reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit provides training in the professional skills specific to the practice of agronomy. Students will design and execute field experiments for a sustainable agricultural system. A challenge is to undertake experiments within the field constraints eg soil, previous cropping history etc. Several case studies involving client-driven experimental or R&D projects both in the field and laboratory will be used to illuminate sound professional practice, including budget management, in field and laboratory experimental design and methodology, data acquisition and assimilation and compilation of professional reports. Assessment will be based on professional involvement in the case studies and on the final reports. Students participate in a long-term experiment that involves planning, decision making and management of a farming system.

AFNR5204
Crop Water Management
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** A/Prof Bruce Sutton **Session:** Semester 2 **Classes:** (3 tut, 2hr prac)/wk **Assumed knowledge:** PLNT2003 or PLNT2903 **Assessment:** One 2 hr exam (45%), consultancy report (45%), practical reports (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study provides a scientific understanding and practical working knowledge of water management in dryland and irrigated agricultural systems, with most of the emphasis at the field scale. The first section of the unit examines the mechanisms underlying a crop water balance, its calculation and measurement and management options for using rainfall as effectively as possible. The second section examines the major forms of irrigation, the scientific principles involved in each, their benefits and shortcomings and management to maximize water use efficiency. The practical classes will develop key skills appropriate to irrigation system management and use of current decision support systems. Postgraduate students will be expected to understand the details of the scientific concepts that underpin this unit at a greater depth than undergraduates pursuing AGRO4005 and should be able to reflect this in a more sophisticated and richer and hence significantly longer consultancy report and a demonstration of greater grasp of knowledge in the examination.

Textbooks

M.E. Jensen (1980). Design and Operation of Farm Irrigation Systems (ASAE).
Allen, R.G, Periera, L.S., Raes, D. and Smith, M. (1998). Crop Evapotranspiration. Guidelines for computing crop water requirements. FAO Irrigation and Drainage Paper 56.
Hillel, D. (2004). Introduction to Environmental Soil Physics. Elsevier Academic Press.

AFNR5205
Production Horticulture
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Jenny Jobling **Session:** Semester 1 **Classes:** (2 lec, 4 hr prac)/wk or a field trip **Assumed knowledge:** HORT1001, HORT1002, HORT2002 or equivalent. **Assessment:** 3hr exam (55%), Assignments x 3 (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Emphasis is given to the scientific basis for fruit and winegrape production and to sustainable vegetable crop production and tropical horticultural crops. Concepts underlying the establishment of and management of urban plants and use are addressed. The unit develops skills in the evaluation of technical and environmental status of established orchards, vineyards, vegetable crops and urban plantings.

AFNR5206
Postharvest Biology and Technology
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Robyn McConchie **Session:** Semester 1 **Classes:** (2 lec & 4 prac)/wk **Assumed knowledge:** HORT1001, HORT1002, HORT2002 **Assessment:** Exam 2 hr (60%), laboratory reports (25%), assignment (10%), seminar (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

The unit develops understanding and skills relevant to the maintenance of quality during the harvesting, handling, storage and marketing of fresh plants and plant parts. The subject integrates the postharvest physiology of products that are handled or marketed in a living state, with the technological and economic challenges associated with delivering them from the field to the consumer. Supply chain analysis of crops will be examined via case study examples, drawn from fruits, vegetables, cut flowers, nursery and foliage crops, turf and edible fungi. Students will study all operations from harvesting to consumer evaluation.

Textbooks

Wills, R., McGlasson, B., Graham, D. and Joyce, D. "Postharvest: An Introduction to the Physiology and Handling of Fruit, Vegetables and Ornamentals." UNSW Press 4th Edition

AFNR5207
Issues in Horticultural Science
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Robyn McConchie **Session:** Semester 1 **Classes:** 2 lectures per week for 13 weeks & 6 prac per 13 weeks **Assumed knowledge:** HORT3004 or equivalent. **Assessment:** Exam (2 hr) (25%), plant ID practical quizzes (15%), consulting report (45%), seminar presentation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Students attend a series of discussion workshops on minimising the environmental impact of horticultural enterprises. It introduces students to current themes and thinking in sustainable practices in horticultural science, covering issues such as efficient water management, sustainable use of fertilizers, salinity, heavy metal pollution, disposal of plastics, integrated pest management and organic practices. Students also undertake an industry based case study analysis of a horticultural supply chain, designed to provide them with skills in data analysis and interpretation, problem identification and problem solving. In addition, students will add to their general knowledge of important horticultural plants and their uses through plant identification workshops

AFNR5208
Research and Practice in Hort Science
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 2 **Classes:** 2h tut/wk; one 1-week excursion **Assessment:** Tutorial papers (30%), project proposal (10%), roject report (50%), peer review (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Upon completion of this unit, students will have participated in a major excursion and a series of discussion workshops based on prescribed readings that will broaden their appreciation of current research themes in horticultural science, industry issues, stimulate critical thinking, enhance professional research skills and give an insight into the career opportunities for horticultural scientists. Attendance at seminars, written reports and presentations made during these workshops will improve student skills in critical analysis and communication.

AFNR5209
Sustainable Cropping Systems

Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** A/Prof Bruce Sutton, Dr Daniel Tan, Dr Brett Whelan **Session:** Semester 1 **Classes:** (3 tut, 2hr prac)/wk **Assumed knowledge:** PLNT2003 or PLNT2903 or equivalent. **Assessment:** One 2 hr exam (45%), consultancy report (45%), practical reports (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Agronomy studies the practices and underlying concepts of sustainable crop and pasture production. The scientific basis of modern practices used in crop production, particularly those relevant to New South Wales, is explored. This knowledge is used to appreciate the scale of future problems such as climate change, soil degradation and increased costs of petrochemical-based inputs like fuel and fertilizer. Possible responses to these problems that will help maintain productivity will be examined. The relationship between agricultural production and natural resource management is also considered as part of a modern production environment, with the impact of recent legislation supporting Ecologically Sustainable Development on agriculture and the agricultural response to it as the focus of discussion. The practical classes will develop key skills appropriate to precision agriculture and use of current decision support systems. Postgraduate students will be expected to understand the details of the scientific concepts that underpin this unit at a greater depth than undergraduates pursuing AGRO4005 and should be able to reflect this in a more sophisticated and richer and hence significantly longer consultancy report and a demonstration of greater grasp of knowledge in the examination.

AFNR5301
Plant Disease
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 1 **Classes:** (2 lec, 3 labs)/wk **Assumed knowledge:** MICR2024 or equivalent. **Assessment:** One 2hr end of semester exam (60%), one prac exam (25%), six take-home quizzes (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit introduces plant disease and the pathogens that limit agricultural and horticultural production. The unit is core to the BScAgr and BHortSc degrees and is available as an elective to BLWS and BSc students. It builds on the material introduced in MICR2024. The lecture component of the unit discusses the aetiology of plant disease and symptom development; diagnosis of plant disease; the biology, epidemiology and management of fungi and other microbes that cause plant disease; breeding for disease resistance; plant-parasite relationships; and disease resistance in plants. The practical component introduces techniques used in handling and identifying fungi and in studying plant disease, and develops skills in experimental design, execution and interpretation of experimental data. At the completion of this unit, students will be able to exercise problem-solving skills (developed through practical experiments and lecture discussions), think critically, and organise knowledge (from consideration of the lecture material and preparation of practical reports), expand from theoretical principles to practical explanations (through observing and reporting on practical work), use certain computer software for analysing data and reporting on laboratory projects. Students learn to work in a research team, plan effective work schedules (to meet deadlines for submission of assessable work), use statistical analysis in research, keep appropriate records of laboratory research, work safely in a research laboratory and operate a range of scientific equipment. Students will gain research and inquiry skills through research based group projects, information literacy and communication skills through assessment tasks and personal and intellectual autonomy through working in groups.

Textbooks

Schumann GL & Darcy CJ 2006. Essential Plant Pathology. APS Press, St Paul, Minn., USA

AFNR5303
Adv Mycology and Plant Pathology
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 1 **Classes:** (2 tut, 3 hrs prac)/wk **Assumed knowledge:** PPAT3003 or equivalent **Assessment:** Two hour end of semester exam (70%), 1500-word review paper (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit investigates evolution, systematics, taxonomy and biology of fungi and their role as plant pathogens; plant disease epidemiology and understanding fungal populations; infection processes and plant defence. The unit is an elective for BScAgr, BHortSc and BSc students. It builds on the material introduced in PPAT3003 and BIOL3017. Undertaking this unit will develop skills in isolating and identifying plant pathogenic fungi, diagnosing plant diseases, designing, conducting and analysing experiments. At the completion of this unit, students will be able to exercise problem-solving skills (developed through practical experiments, projects and tutorial discussions), think critically, and organise knowledge (from consideration of the lecture material and preparation of project reports), and expand from theoretical principles to practical explanations (through observing and reporting on project work). Students will consolidate their teamworking skills, develop self-directed study skills and plan effective work schedules, use statistical analysis in research, keep appropriate records of laboratory research, work safely in a research laboratory and operate a range of scientific equipment. Students will gain research and inquiry skills through individual and group research projects, information literacy and communication skills through assessment tasks and personal and intellectual autonomy through working in groups.

Textbooks

Agrios GN. 2005. Plant Pathology 5th ed. Academic Press
Plant pathogens and plant diseases / edited by J.F. Brown and H.J. Ogle; endorsed by the Australasian Plant Pathology Society Inc. Armidale, N.S.W.: Rockvale Publications for the Division of Botany, School of Rural Science and Natural Resources, University of New England, 1997.
Carlile MJ. The Fungi 2nd ed. Academic Press
Kendrick B. 2001. The Fifth Kingdom 3rd ed. Mycologue Press, Ontario. www.mycolog.com

AFNR5304
Soil Biology
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 1 **Classes:** (2 tut, 3 hrs prac)/wk **Assessment:** Tutorial papers (30%), project proposal (10%), project report (50%), peer review (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit investigates the diversity of organisms living in the soil, their biology, interactions and ecology, and their roles in maintaining and improving soil function. The unit is an elective for BScAgr, BHortSc and BSc students. It builds on the material introduced in MICR2024, PPAT3003 and BIOL3017. Undertaking this unit will develop skills in monitoring soil microbes, designing, conducting and analysing experiments. At the completion of this unit, students will be able to exercise problem-solving skills (developed through practical experiments, projects and tutorial discussions), think critically, and organise knowledge (from consideration of the lecture material and preparation of project reports), and expand from theoretical principles to practical explanations (through observing and reporting on project work). Students will consolidate their teamworking skills, develop self-directed study skills and plan effective work schedules, use statistical analysis in research, keep appropriate records of laboratory research, work safely in a research laboratory and operate a range of scientific equipment. Students will gain research and inquiry skills through group research projects, information literacy and communication skills through assessment tasks and personal and intellectual autonomy through working in groups.

Textbooks

Sylvia et al. 2005. Principles and Applications of Soil Microbiology 2nd ed. Pearson.

Schjonning PJ. 2001. Managing Soil Quality. CAB International

AFNR5305
Applied Entomology (Crops)
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Mansfield **Session:** Semester 1 **Classes:** (1x2hour lec/tut, 1x3hour prac, 1x1hour insect collection)/wk **Assumed knowledge:** ENTO2001 or equivalent. **Assessment:** 1 x 2hour exam (40%), 1 x oral presentation (20%), 1 x insect collection (20%), 1 x field diary (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Applied entomology deals with the control of insect pests and the use of beneficial insects. The primary focus of this unit is the development and adoption of integrated pest management within Australian agriculture. The biology of major pest (herbivores and disease vectors) and beneficial (predators, parasitoids, pollinators) insect groups is covered in depth. The advantages and disadvantages of biological, cultural and chemical pest control methods are described using examples from Australian cropping systems. The role of host plant resistance and genetically modified crop varieties is also examined. Students will consider the relative importance of insect ecology, pest control methods and socio-economic factors to successful adoption of integrated pest management. The practical component of the course includes an individual insect collection, some laboratory sessions and day field trips. Students will work in small groups to prepare an oral presentation. Knowledge of ENTO2001 or an equivalent introductory entomology course is assumed.

Textbooks
Required: New, T.R. 2002. Insects and Pest Management in Australia Agriculture. Oxford University Press, Melbourne. 346 pp.
Recommended: Gullan, P.J. & Cranston, P.S. 2005. The Insects: an outline of entomology. 3rd edition, Blackwell Publishing, Malden, MA. 505 pp.

AFNR5306
Insect Taxonomy and Systematics
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Mansfield **Session:** Semester 1 **Classes:** (1x2hr lec/tut, 1x2hr museum project, 1x2hr insect collection)/wk **Assumed knowledge:** ENTO2001 or equivalent. **Assessment:** 1 x 2hour exam (40%), 1 x museum project (30%), 1 x insect collection (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Correct taxonomic identification of insect species is essential for all areas of entomological research. Knowledge of the evolutionary relationships between insect groups contributes to our understanding of insect biology and ecology. Key concepts that underpin the study of insect systematics, biogeography and phylogeny are described using examples from the evolutionary development of insects. The role of morphological, genetic and molecular studies in the classification of insects is examined including the use of specialist software for data analysis. This unit extends the student's knowledge of insect taxonomy through field collections and museum studies of a particular insect group (chosen by the student). Knowledge of ENTO2001 or an equivalent introductory entomology course is assumed

Textbooks
Required: Gullan, P.J. & Cranston, P.S. 2005. The Insects: an outline of entomology. 3rd edition, Blackwell Publishing, Malden, MA. 505 pp.
Recommended: CSIRO Entomology. 1991. The Insects of Australia. 2nd edition, Melbourne University Press, Carlton, VIC. Two volumes, 1137 pp.

AFNR5501
The Soil Resource
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** A/Prof Balwant Singh (Coordinator), Prof Alex McBratney, Dr Stephen Cattle **Session:** Semester 2 **Classes:** (2 lec, 2 hr prac)/wk **Assessment:** Fieldtrip participation (5%), soil mapping report (25%), laboratory report (15%), essay (10%), examination (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

The unit of study is designed to provide a detailed knowledge of the important features and problems of Australian soils. By the end of this unit of study, students will develop skills in describing and interpreting soil profile features in the field. They will become familiar with quantitative soil data handling procedures and be able do quantitative soil mapping; and measure common soil properties in the laboratory. They will also learn to work in a team environment and write a report on soil mapping and laboratory analysis.

The lecture topics include- Features, geography and management of Australian soils; Digital soil mapping - concepts and spatial prediction of soil classes; Soil quality, soil health and soil function - physical, biological and chemical indicators of soil sustainability; Soil structure: The elements of soil structure and methods of their assessment; The degradation and amelioration of soil structure and its effect on agriculture; Soil water erosion - detachment, entrainment, runoff and deposition; Soil acidification: effects of soil acidity in soils, forms of soil acidity, sources of soil acidity, buffering mechanisms in soils, soil pH and Al availability, extent of soil acidity in Australia and remediation of soil acidity; Soil salinity: causes, sources of salts, nature of soil salinity, salinity parameters in soil and water, effects of salinity on plant growth, management of soil salinity; Soil contamination: concepts/definitions, sources of contaminants, effects of contaminants, major contaminants in soil, remediation of contaminated soils.; soil carbon accounting.

AFNR5502
Remote Sensing, GIS and Land Management
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Inakwu Odeh **Session:** Semester 2 **Classes:** 2 lec, 1tut & 4hr prac/wk (wks 1-6); Project: (wks 7-12) **Prerequisites:** Recommended courses include SOIL3008 (Rural Spatial Information Systems), SOIL3004 (The Soil Resource), GEOS3007 (Remote Sensing: Imaging the Earth), GEOS3014 (GIS in Coastal Management), GEOG5001 (Geographic Information Science A) and GEOG 5002 (Geographic Information Science B) **Assumed knowledge:** Some knowledge of GIS and spatial information systems and/or some knowledge of soil science, geomorphology and environmental science **Assessment:** Lab prac reports, group work, presentation and project report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Cert Appl Sc (S I S), Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study is aimed at advanced techniques in Remote Sensing (RS), linked with Geographical Information Systems (GIS), as applied to land management problems. We will review the basic principles of GIS and then focus on advanced RS principles and techniques used for land resource assessment and management. This will be followed by practical training in RS techniques, augmented by land management project development and implementation based on integration of GIS and RS tools. The unit thus consists of three separate but overlapping parts: 1) a short theoretical part which focuses on the concepts of RS; 2) a practical part which aims at developing hands-on skills in using RS tools, and 3) an application-focused module in which students will learn the skills of how to design a land management project and actualise it using integrated GIS and RS techniques.

Syllabus summary: Lectures will cover: Overview of the basic principles of Geographical Information Science (GISc), Advanced principles of remote sensing, Land resource information and data capture using RS, Digital elevation modelling and terrain analysis using remote sensing; Image enhancement and visualization; Image classification and interpretation; RS data interpretation for land resource inventory; RS and GIS for land use and land cover change analysis; Coupling of models of land resource assessment with GIS and RS. Fifty percent of learning time will be devoted to the design and implementation of projects, which can be selected from GIS and RS applications in: agricultural land management, vegetation studies, water and catchment (hydrological) studies; land-cover and land-use change modelling, pesticide and herbicide environmental risk assessment,

environmental impact analysis, land degradation modelling including soil salinity, soil erosion, etc.

Textbooks

van Dijk, A. and Bos, M.G. 2001. GIS and remote sensing techniques in land- and water-management. Kluwer Academic Publisher, Dordrecht.
Skidmore, A. 2002. Environmental modelling with GIS and remote sensing. Taylor & Francis, London.
Mowrer, H. T. and Congalton, R. G. (Editors). 2000. Quantifying spatial uncertainty in natural resources: theory and applications for GIS and remote sensing. Ann Arbor Press
Wilson J. P. and Gallant J. C. (Editors). 2000. Terrain Analysis: Principles and Applications. John Wiley and Sons New York

AFNR5506
Limnology and Water Quality
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Dhia Al Bakri (Coordinator), Prof Ivan Kennedy, Dr Robert Caldwell **Session:** Semester 1 **Classes:** 6-day field trip in orientation week, 26 hr lec/tut, 20 hr prac **Prohibitions:** AGCH3030 **Assumed knowledge:** GEOG2303, LWSC2002, AGCH2003 or equivalent **Assessment:** 2 hr exam (50%), laboratory reports (25%), field trip professional report (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study will provide students with an understanding of the main Australian water quality problems, related limnological issues and the underlying causes and processes. The unit commences with a field trip module to the productive Namoi and the Macquarie Valleys, where agriculture based on irrigation, environmental impacts on vegetation, soil and water of agricultural enterprises such as cotton farming and human settlements will be assessed. Field observations on pH, nutrient and salt content, pesticide contamination, and microbial content will be made on water, sediment, soils and in constructed wetlands, with samples returned for more detailed laboratory analysis at the University. The unit will also investigate sources and pathways of pollutants reaching streams, lakes and reservoirs, determine the interactions between runoff and water quality, and identify pollution control measures within the context of integrated catchment management (ICM). The unit will cover aspects of freshwater ecology with particular emphasis on wetlands ecosystem, riparian vegetation, macrophytes, phytoplanktonic communities and cyanobacteria. At the completion of this unit, the students will be able to determine different water quality and pollution problems in Australian water bodies; explain underlying causes and processes, relate the interaction between flow and water quality and evaluate their implications on catchment management. The students will also be able to employ limnological modeling to predict heat budget distribution; catchment loading and mass balance of given pollutants, and select appropriate pollution control and management strategies.

Textbooks

Wetzel R G 2001. Limnology: Lake and reservoir ecosystems, 3rd edn, Academic Press London.
Dodson S. I. 2005. Introduction to Limnology. McGraw-Hill Book Company, New York.

AFNR5507
Landscape Hydrology and Management
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Willem Vervoort (Coordinator), Dr Dhia Al Bakri **Session:** Semester 1 **Classes:** (2x1hour lecture and 1x2 3hour practical/fieldwork)/week **Assumed knowledge:** AFNR5506 **Assessment:** Practical report (2000 words) 35%, on-line discussion and justification (2000 words) 25%, 2hr exam 30%, presentation 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study is designed to allow students to examine catchment-scale hydrological modeling, groundwater hydrogeochemistry as an investigative tool for water quality and policy making at the catchment level.

It is a core unit for students in BLWSc and builds on the theoretical knowledge gained in LWSC3004, GEOG2321 and LWSC2002. In the first part, students will investigate several ways to simulate catchment hydrological processes and review the possibilities and impossibilities of using simulation models for catchment management. In the second part students will apply hydrogeochemical techniques to investigate groundwater quality and review recent developments in catchment-based management strategies to control salinity and pollution. At the end of this unit, students will be able to articulate advantages and disadvantages of using simulation models for catchment management, justify the choice of a simulation model for a particular catchment management problem, identify issues in relation to uncertainty, apply hydrogeochemical investigation techniques for groundwater and describe innovative strategies for salinity and pollution control. The students will gain research and inquiry skills through research based group projects, information literacy and communication skills through on-line discussion postings, laboratory reports and a presentation and personal and intellectual autonomy through working in groups.

Textbooks

Beven, K.J. Rainfall-Runoff modeling, The Primer, John Wiley and Sons, Chichester, 2001
Kumagai. M. and Warwick, W. F. 2003. Freshwater management: Global versus local perspectives, Springer-Verlag, Tokyo.

AFNR5509
Contemporary Field and Lab Soil Science
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof Alex McBratney (coordinator), Associate Professor Balwant Singh, Dr Stephen Cattle, Dr Budiman Minasny **Session:** Semester 1 **Classes:** 6-day field excursion; 2 lec & 2 prac/wk **Assessment:** One 2hr exam; pedology, soil physics and soil chemistry written assessments; group presentation, synthesis paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr, M Agr.

This is a theoretical and empirical unit providing specialised training in three important areas of contemporary soil science, namely pedology, soil chemistry and soil physics. The key concepts of these sub-disciplines will be outlined and strengthened by hands-on training in essential field and laboratory techniques. All of this is synthesized by placing it in the context of soil distribution and use in North-Western New South Wales. The unit is motivated by the teaching team's research in this locale. It builds on students existing soil science knowledge. After completion of the unit, students should be able to articulate the advantages and disadvantages of current field & laboratory techniques for gathering necessary soil information, and simultaneously recognise key concepts and principles that guide contemporary thought in soil science. Students will be able to synthesise soil information from a multiplicity of sources and have an appreciation of the cutting edge areas of soil research. By investigating the contemporary nature of key concepts, students will develop their skills in research and inquiry. Students will develop their communication skills through report writing and oral presentations and will also articulate an openness to new ways of thinking which augments intellectual autonomy. Teamwork and collaborative efforts are encouraged in this unit.

Textbooks

D. Hillel. 2004. Introduction to Environmental Soil Physics. Elsevier Science, San Diego, CA, USA.
R. Schaetzl and S. Anderson 2005. Soils: Genesis and Geomorphology. Cambridge University Press, New York, NY, USA.
D.L. Sparks 2003 Environmental Soil Chemistry (2nd edn). Academic Press, San Diego, CA, USA

AFNR5510
The Soil at Work
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Prof Alex McBratney (coordinator), A/Prof Balwant Singh, Dr Stephen Cattle (facilitators), plus research-only academics **Session:** Semester 2 **Classes:** Problem-based unit: each student completes 2 problems; 4 x 3 hr workshops per problem (each student attends 8 workshops in total) **Assessment:** For each of two scenarios: Statement of the problem report (12.5%) - shared information, two team reports How to tackle problem seminar (12.5%) - team seminars, before fieldwork, analyses done Results seminar (12.5%) - team seminars Final report (12.5%) - individual work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr, M Agr.

This is a problem-based applied soil science unit. It is designed to allow students to identify soil-related problems in the real-world and by working in a group and with an end-user to suggest short and long-term solutions to such problems. It utilises and reinforces soil-science knowledge and problem-solving skills gained during the program. This unit will address real-world scenarios which involve soil-related problems such as carbon management, structural decline, acidification, salinisation and contamination. Students will gain some understanding of the concept of sustainability, and will be able to identify the causes of problems by reference to the literature, discussion with landusers and by the design and execution of key experiments and surveys. They will gain a focused knowledge of the key soil drivers to environmental problems and will have some understanding on the constraints surrounding potential solutions. By designing and administering strategies to tackle real-world soil issues students will develop their research and inquiry skills and enhance their intellectual autonomy. By producing reports and seminars that enables understanding by an end-user students will improve the breadth of their communication skills.

Textbooks

I.W.Heathcote 1997. Environmental Problem Solving: A Case Study Approach. McGraw-Hill, New York, NY, USA

AFNR5601
Turf Management
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Peter Martin **Session:** Semester 1 **Classes:** External studies and residential block **Assumed knowledge:** Practical knowledge of turf cultural practices; basic chemistry and basic biology **Assessment:** One 3 hr examination, two 2,000 word assignments, tutorial papers and practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit examines the scientific basis of turf management for both warm climate and cool climate grasses. Topics include the history and economic importance of managed grass surfaces; the macro- and micro-environment of turf both above and below ground; the physiology of growth under turf conditions including the effects of water, traffic, mowing, cultivation and nutrition; establishment of turf by seed and vegetative methods; and the objective assessment of turf quality.

Textbooks

Beard, J.B. Turfgrass: Science and Culture (Prentice Hall)
Atwell, B., Kriedemann, P. and Turnbull, C. Plants in Action: adaptation in nature; performance in cultivation (Macmillan Australia)
Glendinning, J (ed.) Australian Soil Fertility Handbook (CSIRO Publications Collingwood)

AFNR5602
Advanced Turf Management
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Peter Martin **Session:** Semester 2 **Classes:** External studies and residential block **Prerequisites:** AFNR5601 Turf Management and AFNR5603 Turf Species and Varieties **Assumed knowledge:** Practical knowledge of turf cultural and construction practices; basic chemistry; basic biology **Assessment:** One 3hr examination, one oral presentation, one 2,000 word assignment, tutorial papers and practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Readings, discussions and practical experiments to gain advanced expertise in laboratory and field aspects of selected areas of plant and soil sciences underlying turf management. Topics include germination and establishment, stress physiology, minimization of water use while maintaining acceptable turf quality, use of saline and downgrade waters for turf irrigation, root growth, growth analysis, fertilizer and pesticide management, environmental legislation relevant to turf facilities, turf construction materials and techniques, design of turf facilities, quality assurance in turf construction and maintenance of turf constructions.

Textbooks

Adams, W.A. and Gibbs, R.J. Natural Turf for Sport and Amenity (CAB International, Wallingford).
Atwell, B., Kriedemann, P. and Turnbull, C. Plants in Action: adaptation in nature; performance in cultivation (Macmillan Australia)

AFNR5603
Turf Species and Varieties
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Peter Martin **Session:** Semester 1 **Classes:** External studies and residential block **Corequisites:** AFNR5601 Turf Management **Assumed knowledge:** Practical knowledge of main turf species, basic biology **Assessment:** One 3hr examination, one 2,000 word assignment, tutorial papers, practical report and plant collection **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit has three main aims: (a) to provide an overview of plant variation, ecotypic differentiation and the principles of plant taxonomy, with special reference to grasses, (b) to teach skills in identification of members of the grass family and related families including detailed morphological terminology and the use of conventional and vegetative taxonomic keys, and (c) to provide an introduction to the methods of development of new turf cultivars by breeding and/or selection. Information is also provided on biochemical methods of identifying grass varieties, comparative testing of turf grasses, plant breeders' rights and cultivar registration.

Textbooks

Hubbard, C.E. Grasses, 3rd Edition, (Penguin Books, London)
Wheeler, D.J.B., Jacobs, S.W.L. and Whalley, R.D.B., Grasses of New South Wales, 3rd. Edition, (University of New England Printery, Armidale)
Reference book: Briggs, D. and Walters, S.M. Plant Variation and Evolution, 3rd Edition (Cambridge University Press, Cambridge)

AFNR5604
Diagnostic Methods in Turf Management
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Peter Martin **Session:** Semester 1 **Classes:** External studies and residential block **Assessment:** One 3hr examination, one 2,000 word assignment, tutorial papers and a laboratory book **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Following an overview of the main chemical, physical and biological diagnostic tests used in the formulation of advice by turf consultants and in decision making by turf managers, the course will cover the theory and practice of sampling and of the conduct of tests (including interpretation guidelines) using selected methods in the three areas. Chemical testing will include the more important diagnostic methods for soils, irrigation and effluent waters and tissues; physical testing will cover particle size analysis, bulk density, pore space, moisture characteristic and infiltration rates for gravels, sands and soils used in turf construction; biological testing will cover the techniques used for the identification of the major pests and diseases of turf grasses. The unit includes an extensive laboratory component. Reference will also be made to quality assurance procedures in sampling and laboratory practice and the importance of statistical procedures in the interpretation of results.

Textbooks

Rayment, G.E. and Higginson, F.R. Australian Laboratory Handbook of Soil and Water Chemical Methods (Inkata Press, Adelaide).
Peverill, K.I. et al., Soil Analysis: an Interpretation Manual (CSIRO publishing, Collingwood)
Smiley, R.W., Dernoeden, P.H. and Clarke, B.B. Compendium of Turfgrass Diseases, 2nd Edition, (APS Press, St Paul)

AFNR5605
Applied Plant Ecology

Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Peter Martin **Session:** Semester 2 **Classes:** External studies and residential block **Prerequisites:** AFNR5601 or equivalent AFNR foundation unit of study **Assumed knowledge:** Practical awareness of pesticide use in the amenity horticulture industries. Basic chemistry, basic biology. **Assessment:** One 3hr exam, one 2,000 word assignment, one oral presentation, tutorial papers and practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Intended primarily for students in the amenity horticulture field, this unit explores the effects of the management practices used in the industry on the micro- and macro- environments, both biological and physical. Input factors such as water, nutrients, organic amendments and pesticides will be considered in relation to their modes of action and their effects on soil sustainability (including acidification and salinification), macro-and micro-biodiversity, contamination of runoff water and ground water, and safety for staff and members of the community. Issues such as the use of selective versus broad-spectrum pesticides, the development of resistance to pesticides and enhanced bio-degradation of pesticides will be considered from the ecological perspective. Physical management methods such as scarification and coring in turf management and canopy reduction in tree management will be evaluated in terms of the net ecological benefits of the practices. During the semester each student will be required to choose a topic in consultation with the lecturer and subsequently present a seminar to the class in the form of a case study or situation analysis.

Textbooks

Atwell, B., Kriedemann, P and Turnbull, C. Plants in Action: adaptation in nature, performance in cultivation. (Macmillan, Melbourne) (selected chapters)
Gibson, D.J. Methods in Comparative Plant Population Ecology. (Oxford University Press, Oxford).
Coleman, D.C. and Crossley, D.A. Fundamentals of Soil Ecology (Academic Press, London)
Smith, L.W. Notes on the Ecology of Weed Management (Plant Breeding Institute, Camden)

AFNR5901
Research Review
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** No scheduled classes **Prohibitions:** AFNR5902, AFNR5903 **Assessment:** 10,000 word review (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Students complete a review of the research literature on a mutually agreed topic relevant to their program and write a report of approximately 10,000 words. Each student will be assigned an adviser. This unit aims to train students in the following generic attributes: information skills, critical thinking, technical writing.

AFNR5902
Research Study
Agriculture, Food and Natural Resources

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** No scheduled classes **Prohibitions:** AFNR5901, AFNR5903 **Assessment:** 15,000 word review (75%), oral presentation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Students complete a review of the research literature and analyze predetermined data to test a hypothesis on a mutually agreed topic relevant to their program. The literature review and results of the analysis are presented in an oral presentation and a written report of approximately 15,000 words. Each student will be assigned supervisor. This unit aims to train students in the following generic attributes: information skills, critical thinking, hypothesis testing, oral presentation, data analysis and presentation, technical writing.

AFNR5903
Research Project
Agriculture, Food and Natural Resources

Credit points: 24 **Session:** Semester 1, Semester 2 **Classes:** No scheduled classes **Prohibitions:** AFNR5901, AFNR5902. **Assessment:** 25,000 word thesis comprising a literature review (25%) and a research paper (45%), oral research proposal (10%), oral research presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Students complete a review of the research literature and conduct empirical research on a mutually agreed topic relevant to their program. Students present an oral research proposal, and the literature review and results of the research are presented in an oral presentation and a thesis of approximately 25,000 words. Each student will work closely with an assigned supervisor. This unit aims to train students in the following generic attributes: information skills, critical thinking, developing research proposals, hypothesis testing, data analysis and presentation, oral presentation, technical writing.

AGEC5300
Business Topics in Amenity Horticulture
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** Intensive course 26 lectures plus supporting workshops **Assessment:** 2 hr examination; 2 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit is focussed on managerial economics of profit and non-profit organisations involved in providing turf-related, and more generally horticulture-based, products and services, such as active and passive recreation and amenity services. Market priced and non-priced goods and services are considered. Topics may include accounting concepts, budgeting, financial planning and control, capital management, resource management, demand assessment, marketing and pricing strategies, environmental externalities and other market failures, regulation and other forms of government intervention, and non-market valuation.

AGEC5301
Agribusiness Management
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 2 **Classes:** (3 lec & 2 workshop)/wk **Assessment:** One mid semester exam (1 hour) one final exam (2hr), assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study deals with the application of economic principles and techniques of business management to agribusiness firms, with a particular focus on farms. The topics covered will include: management goals and objectives; budgeting; gross margins analysis; parametric budgeting; sources of management information and its analysis; simple systems simulation; applications of linear programming to farm and agribusiness planning; financial management; risk in planning and management; cash, credit, debt and taxation management; evaluation of investment and firm growth alternatives; acquisition and transfer of assets; the role of financial institutions in the agricultural credit market. Students develop skills in computer-based farm planning.

While the unit covers material dealt with at the third year level, additional workshops, seminars, tutorials, assignments and/or assessment will be provided as appropriate to the postgraduate program.

Textbooks

J.B. Hardaker et al. Coping with Risk in Agriculture, 2nd edn (CABI, 2004)

AGEC5302
Agricultural and Resource Policy
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1 **Classes:** (2-3 lec, 1x1 hour tutorial)/week **Assessment:** One mid semester exam (1 hour); one final exam (2 hours);

assignments; tutorial papers **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit is designed to cover basic theoretical and modelling frameworks for economic evaluation of policy formation (including Pareto welfare economics and public choice theory); market and government failure; the institutional structure of agricultural and resource policy formulation in Australia; micro and macroeconomic issues in agricultural and resource policy; and issues arising from linkages between agriculture and the resource industries and with the rest of the economy. Students will be expected to read widely.

While the unit covers material dealt with at the third year level, additional workshops, seminars, tutorials, assignments and/or assessment will be provided as appropriate to the postgraduate program.

AGEC5303
Applied Optimisation
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2 lec and 2 tut)/wk **Assessment:** One end-of-semester exam (2 hours), assignments, class work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit of study deals with constrained optimization problems in which when one or more constraints are inequalities. Such problems are explored/solved by "mathematical programming" techniques. The focus of the unit is on linear programming (LP) problems, i.e. ones in which both the objective and the constraints are linear functions. Linear programming has wide application to farm planning, financial planning, and other planning contexts. Graphical and mathematical representations of linear programming problems are covered. Topics include solution methods, solution information, primal and dual formulations, stability of optimal solutions, and parametric programming. After covering the basics of LP, the focus shifts to modelling of real world scenarios in LP models. Special formulations (eg. transportation model), and extension to integer programming are examined. Students develop experience and confidence in the use of spreadsheet-based optimizer routines, and with specialised optimization packages (eg. LINDO).

The unit includes material dealt with at the advanced undergraduate level. Additional workshops, seminars, tutorials, assignments and/or assessment are provided as appropriate to the postgraduate program.

AGEC5304
Research Methods
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 2 **Classes:** (2 lec, 1-2 hour tut)/week **Assessment:** One mid semester exam (1 hour), one final exam (2 hours), assignments, research proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit deals with the nature of research and inquiry in applied economics. Topics covered will include: alternative philosophical perspectives on inquiry; scientific method; inductive thought and deductive logic; creativity; research as an orderly process of enquiry; preparation of research proposals; secondary data sources for agricultural and resource economists; collection of primary data; statistical design of sample surveys; questionnaire construction; interviewing techniques; and methods of analysis of survey data. Topics are illustrated with examples of research in theoretical economics, empirical discipline-advancing research, empirical exploratory research, and research using policy-evaluation modelling. Students are expected to read widely.

While the unit covers material dealt with at the third year level, additional workshops, seminars, tutorials, assignments and/or assessment will be provided as appropriate to the postgraduate program.

AGEC5401
Agricultural Marketing Analysis
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 2 **Classes:** (2-3 lec, 1x1 hour tut)/wk **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Performance of the agricultural and resource marketing systems, marketing margins, transportation, storage, advertising, wholesaling, and retailing. The structure, conduct and performance of marketing firms, and government and public interest in the food system will also be addressed via a number of case studies. Extensive readings will be required. The unit is designed to focus on analysing applied strategic management problems facing marketing firms. Students will be required to read widely.

Textbooks
Collections of readings

AGEC5402
Agricultural Development Economics
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 2 **Classes:** (2-3 lec, 1x1 hour tut)/wk **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit is designed to expose students to issues of economic growth and development, and their policy and welfare impacts in developing countries. More specifically the unit will focus on agricultural development policies and outcomes. Linkages with other industries, environment, sustainability, globalisation and national and international development agencies will also be discussed. Extensive reading will be required.

Textbooks
Collections of readings

AGEC5403
Agricultural Trade
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1 **Classes:** (2-3 lec, 1x1 hour tut)/wk **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

In this unit of study the basic economic principles underlying international trade in agricultural and resource commodities and the policies involved will be presented. Issues related to trade and development will also be considered. The main topics covered will include: trends in agricultural and resources trade; economics and politics of protection, economic integration and impacts on international commodity trade; international trade policy making. An understanding of globalisation, including foreign direct investment, will also be required. Extensive reading will be required.

Textbooks
Collections of readings.

AGEC5404
Agribusiness Analysis
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1 **Classes:** (2-3 lec, 1x1 hour tut)/wk **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit focuses on applications of economic theory and methods in agribusiness decision making. It provides advanced treatment of the industrial organisation of agribusiness firms. Case studies will be used to examine the economic complexities of global agribusiness systems. Extensive readings make up the central component of the unit.

Textbooks
Collections of readings.

AGEC5405
Quantitative Planning Methods
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2 lec & 2 tut/lab session)/wk **Assessment:** One end-of-semester exam (2 hours), 2 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit examines the use of mathematical methods and models in planning at both the individual firm level and the sectoral level. While the principal focus is on formal optimization, simulation and Monte Carlo methods are briefly discussed. Topics include non-linear programming, elements of input-output analysis, computable general equilibrium analysis, dynamic problems and methods (eg. dynamic programming and optimal control). Sectoral level planning applications considered include transportation and plant location studies; spatial equilibrium; and resource utilization across time. Firm level applications include multi-period planning, queuing problems, inventory analysis, and replacement problems. Extensive use is made of computer-based optimization.

The unit includes material dealt with at the advanced undergraduate level. Additional workshops, seminars, tutorials, assignments and/or assessment are provided as appropriate to the postgraduate program.

AGEC5406
Agricultural Finance and Risk
Agriculture, Food and Natural Resources

Credit points: 6 **Teacher/Coordinator:** A/Prof Ross Drynan **Session:** Semester 2 **Classes:** (2 lec & 2 tut/lab session)/wk **Assessment:** One end-of-semester exam (2 hours), 2 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit has two related components. One component concerns risk and risk management in agriculture; the other deals with issues of agricultural producer finance. Risk topics include: risk measurement, subjective probability, adjusting beliefs as a result of new information; risk attitudes; decision making under risk; expected utility theory; valuing information; generalizations of expected utility theory; E-V analysis; stochastic dominance; internal measures to cope with risk including diversification and flexibility; insurance, futures, options and other market instruments for managing risk. Finance topics include the implications of capital market imperfections and consequential differences between corporate and small business finance; financial relationships between debt/equity levels and risk, optimal debt levels; cost of capital; short term working capital management; and longer term capital (investment) budgeting. Techniques of valuation of projects in risk-free and risk situations are examined. Financial and risk management practices in Australian agriculture are reviewed.

The unit includes material dealt with at the advanced undergraduate level. Additional workshops, seminars, tutorials, assignments and/or assessment are provided as appropriate to the postgraduate program.

AGEC5407
Professional Skills
Agriculture, Food and Natural Resources

Credit points: 3 **Teacher/Coordinator:** A/Prof Fredoun Ahmadi-Esfahani **Session:** Semester 1 **Classes:** One 2 hour seminar/week **Assessment:** Discussion papers, 1x2 hour exam, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

A series of lectures, seminars and workshops designed to provide students with enhanced professional skills. Sessions will focus on communication skills, including report writing, preparation of policy briefs, seminar and workshop presentations. Other sessions will be focused on aspects of professional ethics, attitudes and responsibilities and leadership. Participatory activities such as team debates and mock inquiry hearings addressing issues of current relevance to agricultural /resource economists are used to develop the student's communication skills and knowledge of issues.

AGEC5408
Contemporary Issues
Agriculture, Food and Natural Resources

Credit points: 3 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** One 2 hour seminar/week **Assessment:** 1x2hour final exam, 1xgroup presentation, 1x assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

Through regular seminars by guest speakers and occasional workshops or other participatory activities, students examine a broad range of national and international issues of current relevance to Australian agricultural and resource economists.

AHCD5002
Program Planning and Evaluation
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Grad Dip Rehab Clng, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Ed), M Hlth Sc (Indig Comm Hlth), M Rehab Clng, PG Coursework Exchange.

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and evaluating services/programs/projects. Student will be also become aware of the basic skills required in the management of non-profit organisations. This is a "hands on" subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

AHCD5033
Cultural Awareness for Indigenous Hlth
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** Two Focus questions (1000 words each), 1000 word Action Plan, 1000 word Reflection. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

The aim of this unit is to sensitise people of indigenous and non-indigenous communities with the cultural diversity in indigenous societies. This is a unit which aims to increase participants' knowledge through defining their prior knowledge of indigenous culture.

AHCD5039
Health Promotion
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour, Ms Angela Dawson **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** 1500-2000 word Critical review, 500-750 word Outline, 2000-2500 word Action Plan, 500-1000 word Promotional Material. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), M Hlth Sci, PG Coursework Exchange.

This unit provides an introduction to the principles and processes of major approaches to health promotion. Participants in this subject will be able to use their previous skills, knowledge and practices in developing culturally appropriate health promotion services/programs/projects.

AHCD5041
Project Development
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** Questions 1, 2 - 1000 words, 500 word Project Outline, 3000-4000 word The Project, 500 word Reflection. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

This unit provides students with an opportunity to integrate learning by defining, planning, and developing a project related to professional practice in Aboriginal health and community development.

AHCD5042
Project Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Prerequisites:** AHCD5041 Project Development **Assessment:** Question 1, 2 - 1000 words, 500 word Project Outline, 3000-4000 word The Project, 500 word Reflection. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

In this unit students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

AHCD5043
Project Report
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Prerequisites:** AHCD5069 Project Evaluation (Practice) **Assessment:** 3-5 pages Outline, 10000-15000 word Final Report. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

The aim of this subject is to give students opportunity to describe their evaluated project, explain its achievements/failures, discuss its significance and its financial implication for both consumers and service providers.

AHCD5046
Evaluation Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** Individual Supervision **Assessment:** 750 word Outline, 2500-3000 word Essay. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Hlth Sc (Indig Comm Hlth).

In this unit, students will examine aspects of conducting evaluation research, an area that focuses on the application of research methods to health services. Empowering and critical approaches will be included.

AHCD5048
Action Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** Off-campus web based **Assessment:** 750-1000 word proposal, 2000 word review article, various lengths reflections **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Ed), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M App Sc (Orth), M Hlth Sc (Beh Sc).

Participatory action research extends knowledge and improves social practice through processes, which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting with the participation of the people affected by the practices under consideration. www.fhs.usyd.edu.au/bach/5300.

AHCD5052
Indigenous Community Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Angela Dawson **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** Focus questions, 2000 words; Review of a health care setting, 2000 words; Developing an Action Plan, 2500 words. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Indig Comm Hlth), Grad Dip Rehab Clng, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M D R, M Hlth Sc (Indig Comm Hlth), M Hlth Sci, M N M, M R T, M Rehab Clng, PG Cou.

This unit of study provides an introduction to the conceptual underpinning of indigenous community as an area of academic study and professional practice. The multi-disciplinary, problem orientated and participatory nature of community health will be explored in relation to the unique context of Indigenous health. Student will also analyse the meaning and causation of disease and the organisational structures and management of community health through case studies in a variety of indigenous settings.

AHCD5053
Social Justice and Indigenous Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** 1000-15000 word Discussion paper, 500-700 Outline, 2000-2500 word Case Study, 500-750 word Reflection. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

This unit of study focuses on social justice as a fundamental principle in understanding the current situation of indigenous health in Australia. Concepts of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and equity will be the major components of this unit of study at micro and macro levels.

AHCD5054
Indigenous Health: Research & Evaluation
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Angela Dawson **Session:** Semester 1, Semester 2 **Classes:** Distance Mode, approximately 156 hours or 12 hours per week **Assessment:** Essay and action plan **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), M Hlth Sci, PG Coursework Exchange.

This unit provides an introduction to approaches in Indigenous research and evaluation, as well as major ethical issues in Indigenous health contexts. It involves an examination of the social, economic, and political constructions of Indigenous Australia. Some of the issues addressed include protocols, collaboration, dissemination of outcomes and their implication, questions of intellectual property, ownership, research, evaluation and development for self-determination. Particular

emphasis will be placed on a critical analysis of existing research and evaluation practices and procedures as they impact and influence Aboriginal and Torres Strait Islander populations.

Textbooks
Resources are provided in print based learning packages and others are available on the Web

AHCD5055
Dissertation
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** Distance education: off campus independent learning. Approximately 312 hours or 24 hours per week **Assumed knowledge:** Normally students will have completed 48 credit points before enrolling in this unit. **Assessment:** Written dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Indig Comm Hlth) Hons, PG Coursework Exchange.

The honours dissertation aims to give students the opportunity to develop the skills required for an independent investigation in an area of relevance to their professional interests. This may take several forms depending on the nature of the investigation.

Textbooks
Resources provided in print based packages and others are available on the Web.

AHCD5056
Integrative Paper
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** Distance mode, approximately 312 hours or 24 hours per week **Assessment:** Written essays **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

This unit of study enables students to investigate an area related to research that is of relevance to their professional interests

Textbooks
Resources are provided in print based learning packages and others are available on the Web.

AHCD5057
Literature Critique
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** Distance mode, approximately 312 hours or 24 hours per week **Assessment:** Annotated Bibliography and literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Hlth Sc (Indig Comm Hlth), M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

This unit will enable students to conduct an analysis of the literature in a chosen area and develop a number of research questions that could assist in preparation for the honours dissertation. Students will be required to select an area of study in consultation with the unit coordinator and identify as well as critique the main body of literature in the field. Assessment will involve the submission of a 12,000 word critical review of this literature.

Textbooks
Resources are provided in print based learning packages and others are available on the Web

AHCD5059
Alcohol and Other Drugs B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Warren Losberg **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Assessment:** (6x1 module) short answers, case study, short questionnaire **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

This unit introduces students to the issues surrounding drug and substance abuse in indigenous and non indigenous communities. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop skills in assessment, brief intervention, referral, handling intoxicated clients and case management.

AHCD5060
Community Development B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour, Ms Angela Dawson **Session:** Semester 1, Semester 2 **Classes:** Off campus **Assessment:** Negotiated learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), M Hlth Sci, PG Coursework Exchange.

This unit has been designed to give students the knowledge and skills to design, plan and evaluate community development projects. Methods of obtaining involvement for maximum benefit of communities are examined.

AHCD5062
Indigenous Mental Health B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Shane Merritt **Session:** Semester 1, Semester 2 **Classes:** External/Distance Mode **Assessment:** Negotiated learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

Mental Health has only been recently acknowledged as a specific health issue for Aboriginal and Torres Strait Islander people. In the past Aboriginal Mental health was treated in the realm of drug and alcohol problems. Indigenous Mental Health does require an insider's perspective, and a framework for acknowledging the injustices forced upon the Indigenous population. Any discussion and solution to the mental health problems needs to consider the healing process through appropriate strategies based on experience of those familiar and knowledgeable about Aboriginal culture. The aim of this unit is to consider these frameworks.

AHCD5067
Issues in Community Mental Health B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Shane Merritt **Session:** Semester 1, Semester 2 **Classes:** External/Distance Mode **Assessment:** Negotiated learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

This unit is designed to give students an understanding of factors affecting mental health and the provision of Indigenous and non Indigenous community mental health services. It has two main foci: the complex factors involved in achieving integrated service networks, and those involved in providing ways forward for people with chronic mental health problems.

AHCD5068
Project Evaluation (Theory)
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** External/distance mode **Prerequisites:** AHCD5041 Project Development **Assessment:** 2000-3000 word Reviewing Evaluation, 1800-2000 word Case Study Analysis, 1200-1500 word Design of Evaluation tools. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

Students examine the theoretical base and underlying assumptions, strengths, limitations, and suitability of evaluation theories and models.

They also explore a range of evaluation tools and consider different approaches to investigating services/programs/projects in health and community settings.

AHCD5069
Project Evaluation (Practice)
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** Individual supervision **Prerequisites:** AHCD5068 Project Evaluation (Theory) **Assessment:** 1200-1500 word Outline for Evaluation Report, 3600-4000 word Evaluation Report, 1000-1500 word Reflection. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Indig Comm Hlth), Grad Dip Hlth Sc (Indig Comm Hlth), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Indig Comm Hlth), PG Coursework Exchange.

Students apply their understanding of evaluation theory in a practical setting. Using the theories and models explored in Project Evaluation (Theory), they design and conduct a small scale evaluation of a service/program/project in a health or community setting.

AHCD5070
Indigenous Primary Health Care
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Angela Dawson, Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** Block mode (2 x 5 days) or distance education mode: Web based with print materials. No on-campus attendance required. **Assessment:** 1 x 2000 word critical appraisal (30%) and 1 x 2000 word essay (30%), 1x LFA outline(40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sci, Grad Dip Hlth Sc (Indig Comm Hlth), M Hlth Sc (Indig Comm Hlth), M Hlth Sci.

This unit examines key health issues and initiatives in Indigenous health from a primary health care perspective. Insights from the disciplines of epidemiology, population health and sociology are used to investigate the health needs of Indigenous communities in Australian and international settings. Modules are based on case studies in the areas of injury, diabetes, substance abuse, environmental and mental health, HIV/AIDS, diarrhoeal and vector borne diseases. A range of issues are explored including community participation, multi sectorial partnerships, self-management and self-reliance and the promotion of health and disease prevention. The unit will also give students the opportunity to develop a plan for an appropriate primary health intervention using a logical framework analysis.

AHCD5071
Contemporary Issues in Indigenous Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour, Ms Angela Dawson **Session:** Semester 2 **Classes:** Block mode (2 x 5 days) or distance education mode: web based with print materials. No on-campus attendance required. **Assessment:** 1 x 1500-2000 words short Discussion Paper, 1 x 700 Outline, 1 x 3000-4000 Essay **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sci, Grad Dip Hlth Sc (Indig Comm Hlth), M Hlth Sc (Indig Comm Hlth), M Hlth Sci.

The aim of this unit of study is to examine the connection between inequality and health within the context of human rights and social justice in Indigenous communities in Australia and International settings. A comparative analysis of health care systems and service delivery in Indigenous and non-Indigenous settings will be also made. The unit will further discuss the ideological and philosophical issues underlying the development of Indigenous health policies in Australia and at an International level.

AMME5202
Advanced Computational Fluid Dynamics
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Steve Armfield **Session:** Semester 1 **Classes:** (One 1-hour lecture, 3 hour tutorial/laboratory)/week. **Prerequisites:** BE or equivalent **Assessment:** Tutorials (30%), Assignments (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S, M E S (Aerospace), PG Coursework Exchange.

Objectives: To provide students with the necessary skills to use commercial Computational Fluid Dynamics packages and to carry out research in the area of Computational Fluid Dynamics.

Expected outcomes:

Students will have a good understanding of the basic theory of Computational Fluid Dynamics, including discretisation, accuracy and stability. They will be capable of writing a simple solver and using a sophisticated commercial CFD package.

Syllabus summary:

A course of lectures, tutorials and laboratories designed to provide the student with the necessary tools for using a sophisticated commercial CFD package. A set of laboratory tasks will take the student through a series of increasingly complex flow simulations, requiring an understanding of the basic theory of computational fluid dynamics (CFD). The laboratory tasks will be complemented by a series of lectures in which the basic theory is covered, including: governing equations; finite difference methods accuracy and stability for the advection equation, diffusion equation; direct and iterative solution techniques; solution of the full Navier-Stokes equations; turbulent flow; Cartesian tensors; turbulence models.

Textbooks
References:
Ferziger and Peric, Computational Methods for Fluid Dynamics, (Springer1999)
Anderson, Computational Fluid Dynamics, (McGraw-Hill 1995)
Fletcher, Computational Techniques for Fluid Dynamics, vols I and II, (Springer 1988)
Patankar, Numerical Heat Transfer and Fluid Flow, (Hemisphere 1983)

AMME5602
Product Life Cycle Design Advanced
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Simmy Grewal email: sgrewal@simsoftks.com **Session:** Semester 2 **Classes:** 2 hour lectures plus 3 hour tutorial per week. **Prerequisites:** Prerequisite: BE or equivalent **Assessment:** Two assignments and two quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Unit Administration: Web CT

Associated degrees: Grad Cert G G M, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man).

A core unit of study for the degree of Master of Engineering Studies

Objectives: To provide students with essential knowledge and techniques to plan at the design stage of life cycle problems of the product.

Expected outcomes: Students will learn the integrated nature of business potential, product and process design, and the market place. This will help them to better understand the constraints involved in bringing new products to the market.

Syllabus summary: Manufacture of consumer products and their design, including product life cycle engineering based on environmental and legislative issues, net recovery value analysis based materials, parts, processes and energy model, task analysis for disassembly planning based on clustering, and product profile and redesign to improve recyclability. Case studies on business potential with a reference to product strategy; product portfolio; lifecycle costing; outsourcing and contract manufacturing; integrated product and process design with a reference to the enabling technologies (CAx); product and process data modelling; design management, concurrent engineering practices; tools and methodologies; product in the marketplace with a reference to the service strategy; market sustainability; product disposability and environmental constraints.

Textbooks
to be nominated by the lecturer.

AMME5900
Project 1 in Manufacturing & Automation
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Simmy Grewal, Professor Liangchi Zhang, Professor Yiu-Wing Mai, Professor, Dr Andrew Ruys **Session:** Semester 1 **Classes:** No formal classes. **Prerequisites:** BE or equivalent **Assessment:**

A written project report and a formal oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Unit Administration: WebCT

Associated degrees: Grad Cert G G M, M E S, M E S (Auto Manuf Sys).

A core unit of study for the degree of Master of Engineering Studies (Automation and Manufacturing Systems)

Objectives: To develop an understanding of carrying out manufacturing and automation projects, enhance students' ability in handling complex engineering cases and in technical organisation and communication, and to provide students an opportunity to understand project research.

Expected outcomes: Students will understand the major issues in project investigation on manufacturing and automation with improved ability and skill of systematic organisation of projects and technical communications.

Syllabus summary: Each student enrolled needs to consult with the prospective supervisor(s) to apply for a project topic in manufacturing and automation. The student can also propose his/her own topic in the field when the supervisor(s) permit(s) him/her to do so and agree(s) to offer consistent supervision. Under the guidance of the supervisor(s), the student will learn how to develop a proposal, how to do the project investigation and how to prepare and carry out the technical communications (writing and oral). In any of these scenarios, the student is directly responsible for the progress and quality of the results. At the end of the semester, the student is required to submit a written project report and to give a seminar presenting the aims and achievements of the project.

Textbooks

To be nominated by the supervisors guiding the project

AMME5902

Project 2 in Manufacturing & Automation

Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Simmy Grewal, Professor Liangchi Zhang, Professor Yiu-Wing Mai, Professor Lin Ye, Dr Andrew Ruys **Session:** Semester 2 **Classes:** No formal classes **Prerequisites:** BE or equivalent **Assessment:** A written project report and a formal oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Unit Administration: WebCT

Associated degrees: Grad Cert G G M, M E S, M E S (Auto Manuf Sys).

A core unit of study for the degree of Master of Engineering Studies (Automation and Manufacturing Systems).

Objectives: To develop an understanding of carrying out manufacturing and automation projects, enhance students' ability in handling complex engineering cases and in technical organisation and communication, and to provide students an opportunity to understand project research.

Expected outcomes: Students will understand the major issues in project investigation on manufacturing and automation with improved ability and skill of systematic organisation of projects and technical communications.

Syllabus summary: A student enrolled in AMME5900 Project 1 in Manufacturing & Automation in his/her first semester can continue on Project 2. If the student prefers to select different project topic, he/she needs to consult with the prospective supervisor(s) to apply for a new project topic in manufacturing and automation. The student can also propose his/her own topic in the field when the supervisor(s) permit(s) him/her to do so and agree(s) to offer consistent supervision. Under the guidance of the supervisor(s), the student will learn how to develop a proposal, how to do the project investigation and how to prepare and carry out the technical communications (writing and oral). In any of the above scenarios, the student is directly responsible for the progress and quality of the results. At the end of the semester, the student is required to submit a written project report and give a seminar presenting the aims and achievements of the project.

Textbooks

To be nominated by the supervisors guiding the project

ANHS5905

The Mediterranean World 51-30 BC

Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1 x 3000 word paper; take home exam (2 questions); participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

In 51 BC, Cleopatra became queen of Egypt on the death of her father Ptolemy Auletes. In 49 BC an expected civil war broke out in Rome. The two incidents were to become intricately entwined as the civil wars of Rome moved to the East. Only by moving with the Romans will we understand the mechanics of their civil wars and the deep-seated changes which resulted from them. This course offers a chance to study the crisis in Mediterranean world in the second half of the 1st century BC from both points of view and to see how two ends of it were affected by each other.

ANHS6901

Rome and the Politics of Space I

Arts

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Welch **Session:** Summer Main **Classes:** 25 day residential school in Rome **Assessment:** 1 oral presentation in Rome; 1 x 4000 word research report; participation. Includes 25 day residential school in Rome (approximate cost of travel: $7000) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: May be taken concurrently with ANHS6902.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Summer/Winter School.

Throughout the Republic and Empire the public spaces of Rome were political capital. First triumphant generals, then emperors used them for advertisement, persuasion and coercion of a heterogeneous and massive population. This course explores the politics of space in Classical Rome, how different individuals interpreted the needs of their times in different ways and how they responded to the city populations at different times. Can the history of the built environment show us new aspects of an individual's principate and relationship to the population of Rome? Particular (but not exclusive) attention will be paid to topographical and architectural developments in the time of Caesar's dictatorship, Augustus, Domitian, Trajan, Hadrian and Constantine.

ANHS6905

Supervised Reading Course 1

Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Welch **Session:** Semester 1 **Assessment:** Written work totalling 5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Consult the co-ordinator before enrolling in this unit.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt.

The unit offers a course of individual study agreed between the Department and the student on topics in Ancient History or related disciplines. Students consult the postgraduate coordinator prior to enrolment.

ANHS6908

MA Dissertation Part 1

Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Welch **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a 14,000 word dissertation (to be followed by ANHS6909) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

In ANHS6908 and ANHS6909 (following) students research and write a supervised dissertation of about 14,000 words over two semesters, beginning in either semester, on a topic to be decided in consultation with their supervisor. The completed dissertation counts for 2 units of study (12 credit points). Students must consult the postgraduate coordinator prior to enrolment. Available to Master of Arts candidates only.

ANHS6909
MA Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Welch **Session:** Semester 1, Semester 2 **Prerequisites:** ANHS6908 **Assessment:** Completion and submission of a 14000 word dissertation (begun in ANHS6908) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

In ANHS6908 (mandatory prerequisite) and ANHS6909 students research and write a supervised dissertation of about 14,000 words over two semesters, beginning in either semester, on a topic to be decided in consultation with their supervisor. The completed dissertation counts for 2 units of study (12 credit points). Students must consult the postgraduate coordinator prior to enrolment. Available to Master of Arts candidates only.

ANHS6910
Treatise Part 1
Arts

Credit points: 12 **Teacher/Coordinator:** Dr K Welch **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a 20,000 word treatise (followed by ANHS6911) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Students enrolled in the Master of Letters (MLitt) only will research and write a supervised treatise of about 20,000 words over two semesters, beginning in either semester, on a topic to be decided in consultation with their supervisor. The completed treatise counts for four units of study (24 credit points). Students must consult the postgraduate coordinator prior to enrolment.

ANHS6911
Treatise Part 2
Arts

Credit points: 12 **Teacher/Coordinator:** Dr K Welch **Session:** Semester 1, Semester 2 **Prerequisites:** ANHS6910 **Assessment:** Completion and submission of 20,000 word treatise (following ANHS6910) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Students enrolled in an Master of Lettters (MLitt) only will research and write a supervised treatise of about 20,000 words over two semesters, beginning in either semester, on a topic to be decided in consultation with their supervisor. The completed treatise counts for four units of study (24 credit points). Students must consult the postgraduate coordinator prior to enrolment.

ANHS6914
Thinking History Ranke to Post-Modernism
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Prohibitions:** ANHS2901 **Assessment:** 3000 word paper; 2 hour formal exam or equivalent **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Dip Arts, M A, PG Coursework Exchange.

The nature, purpose and use of history is constantly being rethought. We begin with the historian buffeted by the winds of modern life, theory and the forces of history. The aim is to familiarise you with major theories and theorists underpinning different approaches to history through the ages down to present times.

ANHS6918
Vesuvian Cities: Space, History, Culture
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours online per wk (semester 2) **Assessment:** 3000 word essay (60%); 1.5 hour exam (20%); other prescribed classwork (eg., reading journal, class presentation) (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

The cities and villas of the Vesuvian region in Italy offer a unique chance to understand the history and culture of the Ancient World. Yet the evidence, being mostly archaeological, requires different interpretative skills from many other areas of Ancient History. This unit combines studies in Ancient History and Archaeology in order to better understand the complex evidence which has survived as well as the particular history of Campania, a region as much in the shadow of Rome as it is in the shadow of Vesuvius.

ANTH5901
Anthropology of the Nation State
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** ANTH4011 **Assessment:** 4000 words of written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Dv St, Grad Cert Lib Stud, M A, PG Coursework Exchange.

This unit explores power and inequality in nation states through issues of racism, sexuality, identity, exploitation, marginalisation and religious practice. Ethnographies covering South America, the Caribbean, Southeast and East Asia, and Australia examine ways people deal with such issues in daily life, drawing on old and new meanings and practices. The unit shows how systems of power inpact, the role of nationalism and economies on cultural practice, and critiques hegemonic understandings which deny peripheralised peoples a cultural capacity.

ANTH5902
Structuralism & Anthropological Legacies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Michael Nihill **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** ANTH4011 **Assessment:** 4000 words in written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, M A, PG Coursework Exchange.

A core postgraduate unit designed to consolidate an understanding of contemporary debates within the discipline of anthropology. Structuralist perspectives on culture and society have been fundamental to the creation of a distinctively twentieth century anthropology. In turn the critique of the structuralist legacy is central to the contemporary form of anthropology. This unit will focus on a particular strand of structuralism and the contemporary legacy of its critique.

ANTH6910
Supervised Reading I
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Neil Maclean **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Prohibitions:** ANTH3921 **Assessment:** 5000 words of written work including one review and one long essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, M A, PG Coursework Exchange.

This is one of four postgraduate units of study designed to consolidate an understanding of contemporary debates within the discipline of anthropology and give students the skills required to frame a specific research project. Key questions include: (1) do cultural processes create their own space-time? (2) do they create different kinds of places? (3) the implications of processes of reterritorialisation; (4) the implications of these questions for an anthropological methodology based on fieldwork.

ANTH6911
Supervised Reading II
Arts

Credit points: 6 **Teacher/Coordinator:** Professor Diane Austin-Broos **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Prohibitions:** ANTH3922 **Assessment:** 5000 words of written work including one review and

one long essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, M A, PG Coursework Exchange.

What is culture? One of the most influential concepts of the twentieth century has also been a central idea in anthropology. This unit will trace some major twists and turns in definition of the concept of over the past century. In particular, the course will consider whether or not the culture concept as presently construed is compatible with a global world and with current forms of critical thought.

ANTH6912
Custom, Conflict and the State
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Michael Nihill and Dr Neil Maclean **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Dv St, Grad Cert Lib Stud, M A, PG Coursework Exchange.

Custom has been seen as both the prototype of law as the foundation of social order and the means of managing conflict, and as the antithesis of law as a rational system. This unit of study examines the debate from the perspective of (1) debates about 'social order' in stateless societies (2) the history of colonial and post-colonial state appropriation of customary process (3) the relationship between current law and order crises and resource politics in post-colonial social systems.

ANTH6915
Ethnographic Method
Arts

Credit points: 6 **Teacher/Coordinator:** Dr N Maclean **Session:** Semester 1 **Classes:** 2 hour seminar per week **Assessment:** 1 x practical exercise (Ethnography of a public place), 2000 words (equiv.); 1 x tutorial paper, 500 words; 1 x 2hr examination, 2000 words (equiv.) **Practical field work:** 1 x practical exercise (Ethnography of a public place), 2000 words (equiv.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Dv St, Grad Dip Arts, Grad Dip Dv St, M A, M Dv St, PG Coursework Exchange.

Ethnography/Participant Observation emerged as the foundational method of modern anthropology with the recognition that the study of other cultures required an understanding of them as lived by their participants. Students follow the development of the method in a variety of social contexts (urban, village, tribe, corporation) forms of relationship (language, performance, space, exchange) forms of representation (notes, description, narrative, analysis, film) and as a sustained critical dialogue about the self, politics and the ethics of the ethnographer.

ANZG6006
Delivering Public Value
Economics and Business

Credit points: 6 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this program. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6007
Decision Making under Uncertainty
Economics and Business

Credit points: 6 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this program. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6008
Designing Public Policies and Programs
Economics and Business

Credit points: 6 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this program. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6009
Government and the Market Economy
Economics and Business

Credit points: 6 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this program. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6010
Leading Public Sector Change
Economics and Business

Credit points: 6 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this unit. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6011
Governing by the Rules
Economics and Business

Credit points: 6 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this unit. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6012
Work Based Project
Economics and Business

Credit points: 6 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this unit. The unit is taught at another Institution.

Associated degrees: E M P A.

ANZG6018
Managing - Organisational Sustainability
Economics and Business

Credit points: 6 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this program

Associated degrees: E M P A.

ANZG6019
Project Management
Economics and Business

Credit points: 6 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** External

Note: ANZSOG EMPA students only eligible for this program

Associated degrees: E M P A.

ARBC6901
Issues in Arab Political Culture
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 2 essays of 2,500 words each. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt.

This unit of study focuses on the question of political culture in the modern Arab World (in West Asia and Northern Africa) through in-depth discussion of the historical, sociological, and ideological

factors that have contributed to the patterns of political behaviour in the Arab states. The dialectics of unity and diversity and of change and continuity are running themes in the methodology of this course. Special attention is given to the particular historical experiences of different Arab countries. Main topics include: The significance of the classical Islamic and Ottoman legacies; the question of political legitimacy; primordial (local, tribal, ethnic, confessional) loyalties versus political integration; tensions between pan-Arab Nationalism and the idea of the "nation-state"; the Arab regional system; the place of question of Palestine and the Arab-Israeli conflict in Arab political culture; Arab politics between "secularisation" and Islamic radicalism. The course addresses these issues in concrete historical and sociolgical terms.

ARBC6911
Arabic for Advanced Studies 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 3000 word essay + 2 hours formal examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Study Abroad.

This unit, which complements ARBC6912, will enable students to develop their Arabic language skills for practical purposes, including the ability to utilize Arabic language material for the advanced study of the Arab world, Islam and the Middle East and in the Australian context.The unit is designed to suit the individual needs of students and their existing level of Arabic language proficiency.

ARBC6912
Arabic for Advanced Studies 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 3000 word essay + 2 hour formal examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Study Abroad.

This unit, which complements ARBC6911, will enable students to develop their Arabic language skills for practical purposes, including the ability to utilize Arabic language material for the advanced study of the Arab world, Islam and the Middle East and in the Australian context. The unit is designed to suit the individual needs of students and their existing level of Arabic language proficiency.

ARBC6915
Arabic Translation Advanced 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Nijmen Hajjar **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5000 words, comprising a translation project and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Study Abroad.

This unit, which complements ARBC6916, provides students with training in practical translation skills in Arabic and English. Students will learn strategies of translating specialized texts with particular attention to the different semantic characteristics of the two languages. The unit will include practical translation tasks using a range of material from creative literature, literary and political essays, scientific texts, the media, business and community documents. Translation projects will be designed to suit students' individual needs and interests.

ARBC6916
Arabic Translation Advanced 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 words, comprising a translation project and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Study Abroad.

This unit, which complements ARBC6915, provides students with training in practical translation skills in Arabic and English. Students will learn strategies of translating specialized texts with particular attention to the different semantic characteristics of the two languages. The unit will include practical translation tasks using a range of material from creative literature, literary and political essays, scientific texts, the media, business and community documents. Translation projects will be designed to suit students' individual needs and interests.

ARCF9001
Modes of Inquiry: Research & Scholarship
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Prof Gary Moore **Session:** Semester 1, Semester 2 **Classes:** one 3-hour lecture seminar, one 2-hour tutorial workshop per week **Assessment:** Assessment is based on (1) evidence of having done and understood the readings as evidenced by critical contributions to class discussions, and (2) a preliminary research proposal between 2500-3000 words and no more than 15 pages. (Final research proposals for partial satisfaction of probationary requirements will remain the responsibility of the student in association with your Supervisor.) In assessing submissions, attention is placed on evidence of : (1) grasp of the subject matter of different modes of inquiry, research approaches and research methods, (2) organisation of knowledge about research and scholarship, (3) ability to critically evaluate methods used in studies and (4) original thinking regarding appropriate modes of inquiry and research methodology for the research problems and questions under investigation. All submissions are to conform to the style and format of the Publication Manual of the APA (latest ed.) or equivalent style guide in the discipline of the student. The unit is pass/fail only, but a minimum of a Credit level in all aspects is required to pass this unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Permission required unless enrolled in a research degree. This unit is a probationary requirement for all MPhil and PhD students in the Faculty of Architecture, Design and Planning.

Associated degrees: M Phil (Arch), Ph D.

Content: The unit is a seminar with mini-lectures, presentations by members of the academic staff about research and scholarship methods in which they are most expert, critical review of readings, and discussions based on the seminar material, readings and research pre-proposals.

Objectives & Learning Outcomes: To provide newly admitted research students with a fundamental understanding of the nature of inquiry through research, the philosophy of scientific research and interpretive scholarship and a range of fundamentally different epistemologies or 'modes of inquiry.' The modes of inquiry explored includes: (1) empirical, field-based epistemology used heavily in architectural science, environment-behaviour studies, urban planning and other field-based research, including experimental, quasi-experimental, survey, naturalistic, ethnographic and case study methods; (2) text-based, interpretive epistemology used heavily in architecture and the allied arts and other humanities, including archival, historical, theoretical, interpretative, discourse analysis and other text based methods; (3) computationally-based epistemology used heavily in design computing and other IT-based disciplines, including axiom and conjecture based, simulation, virtual reality, and prototype development methods; and (4) policy-oriented, communication-contingency and modelling epistemologies used heavily in urban and regional planning and other policy-based disciplines, including archival, strategic and evidence-based policy research, communications and morphological analyses and quantitative modelling; as well as (5) interdisciplinary combinations, triangulations and mixed modes.

ARCF9002
Nature of Theory
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Professors Gary Moore, Edward Blakely. **Session:** Semester 2 **Classes:** 3 hour seminar plus 6-9 hours of individual study per week. **Assessment:** One to two papers, e.g. a paper exploring the theoretical roots of the discipline in which you are working, critiquing one or more of the major conceptual directions or theories in the research domain, or the theory chapter for your final thesis. Assessment also based on critical understanding of required readings. Papers are to conform to the style and format of the Publication Manual of the APA (latest ed.), MLA Style Guide, or equivalent style guide in the student's discipline. Readings will be drawn from major theoretical texts in the field, as well as from others suggested by visiting

lecturers and/or students. Students are expected to complete the unit without an incomplete and to have at least a credit grade. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Permission required unless enrolled in a research degree. This unit of study is offered in even numbered years only.

Associated degrees: M Phil (Arch), Ph D.

Objectives & Learning Outcomes: The purposes of this seminar are to show how to trace the intellectual roots and find the relevant theoretical literature in your field so you can build their research proposal and thesis on strong theoretical grounds, and to provide an understanding of the different theoretical perspectives and their philosophical presuppositions that underlie research in the disciplines covered by the Faculty (e.g., interdisciplinary social science perspectives on architecture, urban design and urban and regional planning and policy). The seminar examines different ways of conceptualising theory and a range of 'paradigms', theoretical perspectives and specific theories pertinent to research. The range of theoretical perspectives includes but not be limited to positivism, modernity and postmodernity, interactionalism, transactionalism and phenomenology, complex systems theory and chaos theory, etc. The seminar also examines the philosophical nature of theory, the history and philosophy of science of theory, similarities and differences between explanatory and prescriptive theories and strategies for theory development, and will ask the question whether it is possible to have theories that are both explanatory contributing to knowledge and normative contributing to policy, planning or design. Upon successful completion of this unit, students will have a critical understanding of the range of theoretical perspectives in use in the field and appropriate to their own research.

ARCH9001
Urban Design Studio A
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Mr Barrie Shelton **Session:** Semester 1, Semester 2 **Classes:** 4 hours per week - studio work, presentations and critiques **Assessment:** Design and design-related projects and assignments, 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Permission of coordinator required unless enrolled in the Master, Grad Dip or Grad Cert of Urban Design or MUrbDes(UrbDes & Plan) or MUrbDes(Arch & UrbDes). It is recommended that the unit Urban Design - Ideas and Methods or Urban Morphology, is taken either before or concurrently with this studio.

Associated degrees: Grad Cert Urb Des, Grad Dip Urb Des, M Arch, M U D (Arch Urb Des), M Urb Des, M Urb Des (Urb Des&Plan).

These studios are the heart of the urban design program. Values, knowledge and skills acquired in other units and from previous experience are supplemented and enhanced, and applied creatively to both the investigation and development phases of design projects at an urban scale. These may be concerned with the generation of strategies, frameworks, concepts, master plans, public space improvements, or other urban design purposes. They are chosen carefully to expose students to a range of contexts (central city, suburban, institutional campuses, etc) and contemporary issues concerning urban form, activity, transport and the implementation of projects.

Students are expected to extend their presentation methods by developing illustrative, writing and verbal skills appropriate to urban design. It is usual for the backgrounds of those enrolled in the studios to span at least architecture, planning and landscape architecture, with inter-disciplinary group work an essential part. Visionary and innovative approaches are encouraged.

Students will be expected to demonstrate appropriate (professional-level) problem recognition, investigative, analytical, interpretative, design and presentation skills and abilities on projects of an urban scale. Assessment may also embrace abilities to prepare and interpret project briefs, program proposals and work in groups.

The central aim of this unit is to develop abilities and skills (investigation, analysis and interpretation, design development and presentation) which will enable students to carry out urban design projects such as the preparation of strategies, frameworks, concepts and master plans in a professional and visionary manner.

ARCH9002
Urban Design Studio B
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Mr Barrie Shelton **Session:** Semester 1, Semester 2 **Classes:** 4 hours per week studio work, presentations and critiques **Prerequisites:** ARCH9001 **Assessment:** Design and design-related projects and assignments, 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Urb Des, Grad Dip Urb Des, M U D (Arch Urb Des), M Urb Des, M Urb Des (Urb Des&Plan).

Students will be expected to demonstrate appropriate (professional-level) problem recognition, investigative, analytical, interpretative, design and presentation skills and abilities on projects of an urban scale. Assessment may also embrace abilities to prepare and interpret project briefs, program proposals and work in groups.

These studios are the heart of the urban design program. Values, knowledge and skills acquired in other units and from previous experience are supplemented and enhanced, and applied creatively to both the investigation and development phases of design projects at an urban scale. These may be concerned with the generation of strategies, frameworks, concepts, master plans, public space improvements, or other urban design purposes. They are chosen carefully to expose students to a range of contexts (central city, suburban, institutional campuses, etc) and contemporary issues concerning urban form, activity, transport and the implementation of projects.

Students are expected to extend their presentation methods by developing illustrative, writing and verbal skills appropriate to urban design. It is usual for the backgrounds of those enrolled in the studios to span at least architecture, planning and landscape architecture, with inter-disciplinary group work and essential part. Visionary and innovative approaches are encouraged.

The central aim of this unit is to develop abilities and skills (investigation, analysis and interpretation, design development and presentation) which will enable students to carry out urban design projects such as the preparation of strategies, frameworks, concepts and master plans in a professional and visionary manner.

ARCH9028
Conservation Methods and Practices
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Mr Trevor Howells **Session:** Semester 1 **Classes:** 4 hours per week lectures and site visits **Assessment:** Three assignments (equally weighted) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert Herit Cons, Grad Dip Herit Cons, M Herit Cons, PG Coursework Exchange, UG Study Abroad Program.

The aims of this unit are to develop practical skills in the methods and practices of conservation at an accepted professional level, and to interpret and apply the theory of practice taught in the mandatory core of the course in practical, on-site projects.

The unit focuses on culturally significant structures and cultural landscapes and includes: methods of survey and documentation (locating, describing and recording components with possible heritage value; identifying and reading historic fabric; historic and archival research methods; thematic history methods; pattern recognition; natural systems; settlements; cultural mapping; aesthetic analysis; material and stylistic analysis); evaluation methodology (assigning heritage significance); assessment methodology (establishing conservation priorities); and appropriate conservation actions (conservation and management plans, policies and strategies).

At the end of the unit the student will successfully demonstrate: an understanding of the Australia ICOMOS Burra Charter and the ability to prepare, in accordance with current accepted professional practice, a conservation plan of a place or places of cultural significance; skill in methods and techniques of analysis, assessment and documentation of cultural significance; and the ability to develop relevant policies and strategies for the conservation of a variety places of cultural significance.

The intended outcomes are achieved through inquiry, individual study and research and are demonstrated by each student upon the successful completion of set assignments. The assignments are constructed to allow each student to demonstrate his or her level of understanding of the accepted professional methodology and practice in the preparation and presentation of a conservation plan. Assessment criteria based on unit outcomes are used for the examination of the assignments.

ARCH9031
Research Report
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Discuss with your program coordinator. Each student must have an academic supervisor for the research report. **Session:** Semester 1, Semester 2 **Classes:** Independent research under academic supervision. **Assessment:** 10000 to 15000 word report (90 per cent), research proposal (10 per cent). Final reports due by the end of the first week of the formal examination period. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. Available to Masters students only.

Associated degrees: Grad Cert Herit Cons, Grad Dip Herit Cons, M Des Sc (Sustainable Des), M Herit Cons.

The report is a substantial piece of research conducted over one semester. It takes the form of report (between 10000 and 15000 words) on an approved subject of your choice. The report is an opportunity to advance your knowledge and skills in a particular area. The objective of the report is to allow you to develop research and analytic skills by undertaking an in depth study of your own selection. The expected learning outcomes of the report include the ability to think critically about a problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to the issues; undertake relevant primary and secondary research; and present your findings in a way that demonstrates academic and professional competence. A report generally includes a literature review to delineate a problem; a statement of research aims or objectives, as well as research questions; an explanation of research methods; presentation and analysis of data; and discussion of conclusions. Permission to continue the Report may be subject to a satisfactory research proposal being approved by your supervisor by week 3 of semester. Reports are due at the end of the first week of exams for the semester in which you are enrolled. The assessment is based solely on the submission of your report. The report is generally marked by two examiners, neither of whom is your supervisor.

ARCH9039
General Elective 1
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress.

For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic.

Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9040
General Elective 2
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress.

For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic.

Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9041
General Elective 3
Architecture, Design and Planning

Credit points: 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress.

For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic.

Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9042
General Elective 4
Architecture, Design and Planning

Credit points: 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic

proposed by a member of academic staff in a formal learning environment.

For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress.

For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic.

Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9043
General Elective 5
Architecture, Design and Planning

Credit points: 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress.

For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic.

Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9044
General Elective 6
Architecture, Design and Planning

Credit points: 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9045
Dissertation 1
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** An academic supervisor is required. Discuss with your program coordinator. **Session:** Semester 1, Semester 2 **Classes:** Research under academic supervision **Prerequisites:** 72 credit points and a WAM of at least 75 **Corequisites:** ARCH9046 **Prohibitions:** ARCH9031, ARCH9060, PLAN9010, PLAN9011, PLAN9018 **Assessment:** 15000 to 25000 word dissertation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: M Des Sc (Sustainable Des), M Des Sc (Sustainable Des)(Hons).

ARCH9045 and ARCH9046 Dissertation 1 and 2 are only available to candidates for the masters degree with honours, with permission from an appropriate supervisor. Planning students should take PLAN9010 and PLAN9011 Planning Dissertations 1 and 2. Students enrol either full time over one semester (ARCH9045 and ARCH9046) or part time over two semesters (ARCH9045 then ARCH9046). The units are not assessed separately - a single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. Students and their supervisors should complete an Independent Study Approval form and return it to the Student Administration Centre to effect enrolment.

The aim of the dissertation is twofold: to train the student in how to undertake advanced study. The student should learn how to examine published and unpublished data, survey and experimental results, set objectives, organise a program of work, analyse information, evaluate this in relation to existing knowledge and document the work; and to allow the student to pursue an area of interest in greater depth than is possible in coursework or to investigate an area of interest which is not covered in coursework. The dissertation will normally involve a critical review of published material in a specified subject area, but it may also be an experimental or theoretical investigation, a feasibility study, a case study, a computer program, or other work demonstrating the student's analytical ability. The dissertation should be 15000 to 25000 words in length. The dissertation should contain a literature review, a research methodology, analysis of data, a discussion of results and conclusions. The dissertation will be judged on the extent and quality of the student's work, and in particular on how critical, perceptive and constructive the student has been in assessing his or her own work and that of others. Three typed A4 sized copies of the dissertation are required to be presented for examination. These may be in either temporary or permanent binding. If in temporary binding they must be able to withstand ordinary handling and postage. The preferred method is "perfect binding" ; spring back, ring back or spiral binding is not permitted. Students are required to submit one copy in permanent binding on acid free paper for the library, including any emendations recommended by the examiners. For more detail see the requirements for the PhD thesis in the Postgraduate Research Studies Handbook. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled for Dissertation 2. The assessment is based solely on the submission of your dissertation. The dissertation is generally marked by two examiners. A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

ARCH9046
Dissertation 2
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** An academic supervisor is required. Discuss with your program coordinator. **Session:** Semester 1, Semester 2 **Classes:** Research under academic supervision. **Corequisites:** ARCH9045 **Assessment:** 15000 to 25000 word dissertation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Des Sc (Sustainable Des), M Des Sc (Sustainable Des)(Hons).

ARCH9045 and ARCH9046 Dissertation 1 and 2 are only available to candidates for the masters degree with honours, with permission from an appropriate supervisor. Planning students should take

PLAN9010 and PLAN9011 Planning Dissertations 1 and 2. Students enrol either full time over one semester (ARCH9045 and ARCH9046) or part time over two semesters (ARCH9045 then ARCH9046). The units are not assessed separately - a single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student. Students and their supervisors should complete an Independent Study Approval form and return it to the Student Administration Centre to effect enrolment.

The aim of the dissertation is twofold: to train the student in how to undertake advanced study. The student should learn how to examine published and unpublished data, survey and experimental results, set objectives, organise a program of work, analyse information, evaluate this in relation to existing knowledge and document the work; and to allow the student to pursue an area of interest in greater depth than is possible in coursework or to investigate an area of interest which is not covered in coursework. The dissertation will normally involve a critical review of published material in a specified subject area, but it may also be an experimental or theoretical investigation, a feasibility study, a case study, a computer program, or other work demonstrating the student's analytical ability. The dissertation should be 15000 to 25000 words in length. The dissertation should contain a literature review, a research methodology, analysis of data, a discussion of results and conclusions. The dissertation will be judged on the extent and quality of the student's work, and in particular on how critical, perceptive and constructive the student has been in assessing his or her own work and that of others. Three typed A4 sized copies of the dissertation are required to be presented for examination. These may be in either temporary or permanent binding. If in temporary binding they must be able to withstand ordinary handling and postage. The preferred method is "perfect binding" spring back, ring back or spiral binding is not permitted. Students are required to submit one copy in permanent binding on acid free paper for the library, including any emendations recommended by the examiners. For more detail see the requirements for the PhD thesis in the Postgraduate Research Studies Handbook. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled for Dissertation 2. The assessment is based solely on the submission of your dissertation. The dissertation is generally marked by two examiners. A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

ARCH9058
General Elective 7
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9059
General Elective 8
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch.

This elective allows an individual to pursue an agreed topic with a member of academic staff, or for a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment. For individual study arrangements this is an opportunity to develop independent study skills. The unit is undertaken with an agreement between the student and a supervisor on a topic related to the supervisor's expertise. The student will meet with the supervisor regularly to discuss progress. For group study arrangements the unit of study is available to engage in a topic that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. Students will develop an understanding of a special topic through reports, projects, and/or tutorial exercises.

ARCH9060
Urban Design Report
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Mr Barrie Shelton **Session:** Semester 1, Semester 2 **Classes:** Research under academic supervision **Prerequisites:** 48 credit points incuding ARCH9001 **Prohibitions:** ARCH9031, ARCH9045, ARCH9046, PLAN9010, PLAN9011, PLAN9018 **Assessment:** Urban design report approx 10000 to 15000 words (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters students in an Urban Design stream only.

Associated degrees: Grad Cert Urb Des, Grad Dip Urb Des, M U D (Arch Urb Des), M U R P, M Urb Des, M Urb Des (Urb Des&Plan).

The Urban Design Report is a substantial project involving research conducted over one semester. It will usually take the form of an illustrated report (between 10000 and 15000 words) on an approved urban design subject of the student's choice. The subject may be of a practical bent (e.g. review or preparation of an urban design project) or more theoretical (e.g. review of a conceptual viewpoint), or it may occupy the middle ground (e.g. exploration of a contemporary issue or review/testing of a method). If of a more practical nature, its theoretical underpinning should be explicit. If more theoretical, it should refer to its practical implications. The report is an opportunity to advance knowledge and skills in a particular area of urban design and so develop a "professional edge".

The aim of the Report is to enhance abilities and knowledge essential to the practice of urban design.

These include the abilities to: define and address a practical or theoretical urban design problem; conduct such a project in an acceptable investigatory manner; think critically about the subject; identify, access and use appropriate and up-to-date information sources, including relevant theory and methods; and present the report, including appropriate illustrations, in a manner that shows both academic and professional competence. The report must demonstrate these features.

Permission to continue the Urban Design Report is subject to the approval of a satisfactory research proposal by week 3 of the semester in which the student is enrolled.

The Urban Design report is to be submitted by the end of the first week of the formal examination period for the semester in which the student is enrolled.

ARCH9062
Urban Design - Ideas and Methods
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Barrie Shelton **Session:** Semester 1 **Classes:** Lec 2-3hrs/wk **Prohibitions:** ARCH9022 **Assumed knowledge:** Some prior study of architectural, urban or planning history. **Assessment:** Minor assignment, class presentation and major assignment (report) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert Urb Des, Grad Dip Urb Des, M Arch, M U D (Arch Urb Des), M Urb Des, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

During the first half of the Twentieth Century much of the influential literature on urban design / city planning was geared to the generation of new types of urban structure and building form for the construction of new cities and replacement of worn-out fabric in existing ones.

Later decades (particularly the 1960s and1970s) were more circumspect with the most influential literature exploring the existing structure, form and character of cities as a basis for new design. In the process, the metaphor for the city changed from that of "machine" (to be "engineered") to "text" (to be "read"). Hence, terms such as "language", "legibility", and "meaning" came to the fore in urban design. At the same time there was a drift in sensibility, from the pursuit of "universal" to "place" based solutions. This change generated a spate of urban design primers in the 'Eighties which have in turn been challenged by more recent viewpoints. These viewpoints have drawn invariably upon other disciplines for their inspiration, resulting in notions such as "fractal cities" and "quantum city". The unit reviews the content of the period's key works with an emphasis on the methods promoted (or implied) for use in examining city form and generating design concepts.

Through the unit students are expected to develop a critical understanding of the key ideas and theories of the last century that have contributed to the designer's understanding of urban spatial structure and built form. They are also expected to gain a working knowledge of associated methods for investigating and interpreting urban form, and generating design solutions.

At the conclusion students will demonstrate an understanding of the material by way of illustrated reports, and class presentations and discussions that: summarise the ideas and theories, and explore their origins, influence and application.

This is a core theory unit designed primarily to inform the Urban Design Studio units.

ARCH9063
Urban Morphology
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Barrie Shelton **Session:** Semester 2 **Classes:** Lec 2-3hrs/wk **Prohibitions:** ARCH9021 **Assumed knowledge:** Some prior study of architectural, urban or planning history. **Assessment:** Minor assignment, class presentation and major assignment (report) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert Urb Des, Grad Dip Urb Des, M Arch, M U D (Arch Urb Des), M Urb Des, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

The unit first outlines the nature of urban morphology, and its rise as an area of study. It will then explore the evolution of city forms with an emphasis upon urban structure and built form typologies. Most designed components of our cities conform in their general characteristics to identifiable typologies; and reflect the cultural values and technological, economic and social circumstances of their times. These have been laid down, modified, superimposed and juxtaposed over particular landforms to result in usually complex, and often distinct, local patterns and forms - that is, urban morphologies. Further, they reflect and effect movement and function.

The ability to recognise, investigate and respond to these forms and relationships lies at the heart of good urban design. The development of an historical knowledge, and of sensibilities and skills in the recording and interpretation of urban pattern and form for design purposes is the unit's primary aim. As such, it examines the characteristics and dimensions of major urban typologies their origins and interrelationships, and explores typical issues surrounding their interpretation and treatment in today's cities. Case Studies are a major component.

The unit will develop abilities to make a more informed 'reading' of the urban landscape, and judgments about structure and form in contemporary urban design: retention, modification, transformation or replacement. On completion of the unit, a student will be better able to: recognise major structures and patterns, and key building and spatial types that contribute to city forms; record and describe these, investigate and explain their origins, and discuss informatively their place in urban change and contemporary urban design.

ARCH9064
East Asian Arch & Urbanism (Modern)
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Barrie Shelton **Session:** Semester 1 **Classes:** Two hours lectures per week **Prohibitions:** ARCH9054 **Assessment:** Minor assignment, class presentation and major assignment (report) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, PG Coursework Exchange.

The aim of this unit is to provide an introduction to architecture and urbanism in East Asia during the modern era - with an emphasis upon modern Japan from the Meiji period to the present. It explores particularly the relationship between architecture and the city during this period; and the relationship between built form and cultural traditions, design responses to outside influences, and similarities and differences between countries. Work of selected architects is highlighted. An important aim of the unit is to enable participants to be more critical of their own design values and viewpoints as shaped by their own cultures.

On successful completion of the program, students will have extended their understanding of the history and theory of architecture and urbanism in the East Asian cultural realm - by way of critical assignments, class discussions and presentations. They will have demonstrated an understanding:

- of built forms in the context of regional philosophical and cultural foundations;

- of the ongoing influence of design traditions in contemporary built form;

- of major themes in the history of architecture and urbanism in modern East Asia, particularly Japan.

ARCH9068
Trad Bldg and Conservation of Materials
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Howells **Session:** Semester 2 **Classes:** Lectures and site visits **Prohibitions:** ARCH9015 **Assessment:** Assignment (50 %) and seminar: presentation (25%), report (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

Objectives

This unit gives students the opportunity to acquire a thorough understanding and appreciation of traditional building methods and to develop an understanding and knowledge of current and appropriate methods of materials conservation.

Content

The unit will consist of the following: traditional methods of construction (stone and brick masonry, vernacular and primitive building methods, timber construction, use of glass, glazed and unglazed tiles, cast iron, lead copper, corrugated iron); and the conservation of materials (stone, brick, pisé, timber, terracotta, glazed ceramic tiles, cast and corrugated iron, lead, copper and pressed metal).

Outcomes

At the conclusion of the unit the student will successfully demonstrate (1) an understanding of traditional methods of building materials and their attendant techniques, (2) an appreciation of the implications of the employment of traditional crafts in the current building environment, and (3) knowledge of appropriate methods of repair and conservation of traditional materials.

The intended outcomes, achieved through inquiry, individual and group study and research, will be demonstrated by each student upon the successful completion of the set assignments. The unit surveys

the knowledge in the field and focuses on the major forms of traditional construction and materials. The assignment has been constructed to allow the student to demonstrate a detailed understanding of a selected material and the methods of its traditional use. Assessment criteria based on unit outcomes are used for the examination of the assignment.

ARCH9073
Architecture Globalisation Urbanisation
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Duanfang Lu **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** one 3000 word essay (60%), completing weekly readings and class presentation (25%), and participation in class mini conference (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch.

This unit aims to provide a basis for better understanding the processes of globalisation in relation to architecture and urbanisation and its potential to affect people's lives. It will seek to enable a more comprehensive global perspective for design professionals, of value at home or abroad.

Increasingly architects from global metropolitan centres engage in work or competitions from around the world. Such activity often tends to be associated with major projects in developing countries. This unit will critically examine the phenomenon and processes of globalisation, and look at the ways in which architecture operates in a globalising world. In order to address these issues we will hear from design practices working in emerging global economies, and the ways in which cultural identity is mediated through the processes of globalisation. The concepts of critical regionalism, localisation, post colonialism, and the divided city will be explored in the context of key texts, as well as through the experience of practice. Drawing on diverse disciplinary perspectives, the unit will provide an overview of various theoretical frameworks that have examined the interrelationship between space, society and power in a global context. By introducing topics including cultural habitats, urbanism and urbanisation, tourism and city marketing, the unit aims to enhance your capability to reflect on the values embedded in design and develop your own research agenda on architecture, globalisation and urbanisation.

Global trends will also be looked at in relation to the 2000 UN Millennium Declaration adopted by the world's leaders, and the goals established to reduce poverty, improve health and promote peace human rights and environmental sustainability. Particular attention will be paid to improving the lives of slum dwellers and housing poor people. Attention will also be given to the roles of design and planning professionals, NGOs, community based organisations, local government and the international community.

On successful completion of this unit students will have demonstrated: awareness and understanding of the processes of globalisation and urbanisation, and the impact on cities; awareness and understanding of key concepts such as critical regionalism, post colonialism, and the divided city; an awareness of architectural practice in a globalised world through case studies; an enhanced ability to evaluate the consequences of design for human experiences and activities in different societies; an understanding of multidisciplinary analytical tools related to the study of the built environment; and an increased confidence in working with different design situations.

This is a core unit for the Architectural History, Theory and Criticism program and optional unit for the Architectural Design program. Contact hours: 2 hours per week. Class preparation: 2.5 hours per week. Assessment preparation: 19 hours per semester.

ARCH9074
History and Theory of Conservation
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Howells & others **Session:** Semester 1 **Classes:** Lectures 2 hrs per week. **Prohibitions:** ARCH9003 **Assessment:** Two written essay assignments each worth 50% of total assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert Herit Cons, Grad Dip Herit Cons, M Arch, M Herit Cons, PG Coursework Exchange.

The purpose of this unit is to help student is the intent to develop an appropriate level of knowledge in the development of the ideas and practices of conservation over an historical perspective from Classical times to the present in the Western and Non-Western context. Particular emphasis will be placed on the theoretical ideas and practices of Sir George Gilbert Scott, John Ruskin, the Arts and Crafts Movement, SPAB in England, Eugene Voillet-le-Duc in France. The study of architectural history will provide a broad survey of the development of Western architecture and garden design from the time of the Ancient Egyptians to the present as well as examining in greater detail the development of Australian Architecture from 1788 till the present time.

The principal aims of the unit are to develop an understanding of the history and theoretical basis of the development if the idea and practice of conservation from Classical times to the present. Additional to this another main aim id to develop an understanding of the historical development of Western traditions of architectural and garden design, as well as to develop a sound intellectual basis for the understanding of the theory and practice of current conservation practice in Australia and beyond.

By the end of the unit the student will successfully demonstrate an understanding of the history of the development the idea of conservation through time and in Western and non-Western traditions; an understanding of the development of Western traditions of architecture and garden design; and skills in the applying this knowledge in the assessment of cultural significance in the Australian and international context.

Contribution of unit of study to its program: Core for the Heritage Conservation program.

Student workload effort expected: contact hours two per week; class preparation: three hours per week; assessment preparation 40 hours per semester.

ARCH9075
New Design in Old Settings
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Trevor Howells & others **Session:** Semester 2 **Classes:** Lectures 2 hours per week. **Prohibitions:** ARCH9007 **Assumed knowledge:** None to enrol in the unit. Students who take the studio stream will need to be a graduate in Architecture or other design-related degree. **Assessment:** Two written essay assignments each worth 50% of total assessment (for students from a non-architecture background); or one written assignment and one design studio, each 50% of the total assessment (for students from an architecture or design-related background. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert Herit Cons, Grad Dip Herit Cons, M Arch, M Herit Cons, PG Coursework Exchange.

This unit will cover one of the most fundamental aspects of heritage conservation. Designing infill and new additions to historic buildings and precincts are the common practice of architecture over all time in all cultures. It is critical that all heritage conservation practitioners, irrespective of their disciplinary background and expertise develop skills of assessment of the impact of new on the heritage significance of existing contexts, visual and spatial literacy in the design of new fabric in old settings. This unit will offer various opportunities to the students who have disciplinary backgrounds. Whilst students with an architectural background will participate in design studios, students from other disciplines will be required to develop a critical ability of assessing appropriateness of new design in the context of the old. The unit will also offer a wide range of examples and approaches from an international perspective.

The aims of the unit are to develop an understanding of the history of designing and building new buildings in old settings; to develop an understanding of the major theoretical and practical issues in designing new buildings in old settings; and to develop a critical intellectual ability to assess the appropriateness of the design of new buildings in old settings.

By the end of the unit the student will successfully demonstrate: an understanding of appropriate approaches to the design of new

buildings in old settings and the conservation issues that arise from such design proposals; an ability to make assessments of the impact of new designs on Heritage Items and Conservation Areas within the context of the NSW Environment and Protection and Heritage Acts; and skills in applying this knowledge in the Australian and international context within the assessment tasks.

Contribution of unit of study to its program: core for the Heritage Conservation program.

Student workload expected: contact hours two per week; class preparation three hours per week; assessment preparation 40 hours per semester.

ARCH9076
Heritage Documentation Methods
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Howells & others **Session:** Semester 2 **Classes:** Two hours per week. **Assessment:** Two assignments each worth 50% of total assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

This unit will allow students to develop and demonstrate accepted professional practice in the recording and documentation of historic buildings, places and gardens by means of methods such as archival drawings and records, measured drawings, photogrammetry, rectified photography, CAD drawings, surveys of physical fabric, 3-D modelling, urban conservation surveys, garden surveys and recording and architectural model-making. The methodologies used will be those of best-practice currently used in the heritage conservation discipline and recommended by Australia ICOMOS, ICCROM and ICAM, the NSW Heritage Branch, NSW Historic Houses Trust and NSW local government practice.

The aims of the unit are to develop an understanding of the professionally accepted methods of recording and documenting historic buildings, places and gardens; to develop an understanding of the appropriateness of applying particular methodologies of recording and documentation on a theoretical and practical basis in current best-practice conservation practice; and to develop skills in the recording and documenting historic buildings, places and gardens applicable in Australia and in other cultures.

By the end of the unit the student will successfully demonstrate an understanding of appropriate methodologies and techniques of recording and documenting historic buildings, places and gardens; a range of skills and techniques for the recording and documenting historic buildings, places and gardens; and critical skills of judgement in choosing appropriate methodologies and techniques for the recording and documenting historic buildings, places and gardens in a range of given circumstances.

Contribution of unit of study to its program: optional in the Heritage Conservation program. Student effort expected: contact hours two per week; class preparation three per week; assessment preparation 10 hours per semester.

ARCH9077
Architectural Historiography
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Greg Castillo **Session:** Semester 1 **Classes:** Two hour seminar per week. **Assessment:** Students will come to class with three typed questions pertaining to the week's readings, and intended to generate group discussion (30%). Every week, a student assigned as session 'coordinator' will present an opening five minute summary of her or his three-page position paper (circulated two days in advance of the seminar) on that week's readings (30%). The position paper is not a summary of the reading, but an analysis and critique of the reading's underlying thesis. Over the course of the semester, students will develop an 8-10 page original paper examining in detail the historiography of one building, with an analysis and critique of the series of approaches that scholars have used to understand that building (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Architectural History and Theory students.

Associated degrees: Grad Cert Arch Hist Theory, Grad Cert Des Sc (Sustainable Des), Grad Dip Arch Hist Theory, M Arch, M Arch Hist Theory, PG Coursework Exchange.

This unit orients students to architectural history research and writing as practices, examining a variety of interpretive approaches that historians have used to analyse and understand the built environment and its visual culture. Rather than focusing on the disciplinary content of architectural history, this unit examines concepts used to frame and define historical discourse: examples include style, form, space, iconography, the design profession, building technology, social history, race and gender, colonialism and post-colonialism, and material culture. Seminar discussions explore 'the history of architectural history' - including the constructed nature of histories in general, the changing values that inform scholarship, and the relationship of architectural history narratives to the interpretive structures developed by anthropologists, sociologists, cultural geographers, and other humanist scholars. The small-group seminar format of this time-intensive unit will focus on required weekly readings intended to lay a foundation for research efforts over the course of the individual's subsequent career.

ARCH9078
Contemporary Architectural Criticism
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Chris Smith **Session:** Semester 2 **Classes:** Two hour seminar per week **Assessment:** Students will read and analyse examples of architectural criticism, producing brief weekly reports intended generate group discussion (30%). During the course of the semester, students will conduct a field trip to one building selected by the instructor, and 'ghost-write' a critique of the building in the manner of one of the critics whose work has been reviewed in class (30%). A final project, consisting of an 8-10 page review of a local building chosen by the student, will demonstrate the array of observation and critical thinking skills developed in class (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Architectural History and Theory students.

Associated degrees: Grad Cert Arch Hist Theory, Grad Cert Des Sc (Sustainable Des), Grad Dip Arch Hist Theory, M Arch, M Arch Hist Theory, PG Coursework Exchange.

The objective of this unit is to introduce students to practices of critical analysis in architecture and urbanism, establishing criticism's context with regard to professional practice and public opinion. The ethics, values and responsibility of criticism will be explored within the context of the critic's role as a proxy for the public in articulating responses to contemporary building design and urban development. Assignments will focus on the improvement of writing skills in preparation for the dissertation project; this course could also serve as an elective for Masters' students in other degree streams who want to improve their written communications skills.

ARCL6901
The Western Greeks
Arts

Credit points: 6 **Teacher/Coordinator:** Dr E G D Robinson **Session:** Semester 1 **Classes:** 2 hours per week (equiv) online **Assessment:** Seminar presentation (20%); essay of 4000 words (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert Lib Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, M Litt, PG Coursework Exchange.

The Greeks had an enormous influence on the development of the Western Mediterranean, not only through the role of the colonies in transferring Greek culture to Rome. This unit will trace Greek presence in the West from the Late Bronze Age down to the Roman Republic. It will concentrate on South Italy, but will also deal with Sicily, Sardinia, Etruria, France and Spain. The unit will be offered entirely online.

ARHT5904
Cross Cultural Art

Arts

Credit points: 6 **Teacher/Coordinator:** Dr. Mary Roberts **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit explores major issues and debates in the study of cross-cultural art. A central focus is the examination of contemporary art in relation to its colonial heritage. The theoretical issues that inform this subject include: the relationship between aesthetics and politics, post-colonialism and feminism, questions of cultural agency and resistance, the structure and operation of the colonial stereotype, cultural hybridity, cross-cultural borrowing and appropriation. Students should complete the subject with an understanding of both the broad theoretical issues and the historical/regional specificity of cross-cultural art forms.

Textbooks

Recommended Readings: Zeynep Celik, "Speaking Back to Orientalist Discourse at the World's Columbian Exposition", 'Noble Dreams Wicked Pleasures. Orientalism in America, 1870-1930', Princeton University Press and Sterling and Francine Clark Art Institute, New Jersey and Williamstown, 2000, pp77-97; Darcy Grigsby, "Out of the Earth: Egypt's Statue of Liberty", 'edges of Empire, Orientalism and Visual Culture', eds., Jocelyn Hackforth-Jones and Mary Roberts, Blackwells, Oxford, 2005, pp. 38-69.; Michael Archer, Guy Brett and Catherine de Zegher (eds.), 'Mona Hatoum' , Phaidon, London, 1997; Edward Said, "Reflections on Exile", 'Out There, Marginalization and Contemporary Cultures', eds. Russell Ferguson, Martha Gever, Trinh T.

ARHT5907
Studies in Eighteenth Century Art
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Keith Broadfoot **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** Class presentation and essay to total of 4,500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This course will focus on the study of eighteenth century art in European contexts. Various themes will be explored in different years: the relationship between art and nature; the origins of the Rococo style; art criticism; the Salons and the rise of aesthetic theory; women patrons and women artists; gender and painting; Enlightenment critics and the arts; landscape painting and garden design. In certain years, the course will consider specific artists, cities or court spaces.

ARHT5909
Death and Disease in Renaissance Art
Arts

Credit points: 6 **Teacher/Coordinator:** Dr L Marshall **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Class presentation and essay to a total of 4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit explores the interplay between art and disease in Renaissance Italy. Issues to be investigated include: the religious and psychological effects of catastrophic disease, such as the Black Death, and the possible effects on art; images of death and disease before and after the plague; the prophylactic role of images; Renaissance conceptions of the workings of the celestial court; civic, corporate, familial and individual patronage of plague images.

Textbooks

Recommended Readings
P. Ziegler, The Black Death, London, 1969
M. Meiss, Painting in Florence and Siena after the Black Death, Princeton, 1951 (and later reprintings)
L. Marshall, "Manipulating the Sacred: Image and Plague in Renaissance Italy", Renaissance Quarterly, 47, 1994, 485-532.

ARHT6913
Authorised Independent Study and Report
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Moore **Session:** Semester 1, Semester 2 **Prohibitions:** Postgraduate students only. **Assessment:** 5,000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A.

Authorised independent reading, research and submission of essay or report.

ARHT6914
Art Writing, Curating and Conservation
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Moore **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Assessment is by an acquisition report, along with a plan and catalogue essay for an exhibition proposed by the student (total equiv 4000 - 5000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This course introduces students to object-based skills and issues in the history of art. It considers issues and problems related to connoisseurship, conservation, display and interpretation in the context of museums and art galleries. The course also provides an introduction to the materials and techniques of art production. Much of the material is presented on-site by curators of the Art Gallery of NSW.

Textbooks

Recommended Readings: Beck, James, "'New" Color on the Sistine Ceiling and Other Issues', Art Magazine, May 1987, 72-3; Finch, M. 'The Sistine Chapel as a Temenos; an interpretation suggested by the restored visibility of the Lunettes', Gazette de Beaux-arts, v.115, February 1990, 53-70.; Gridley McKim-Smith, Greta Anderson-Bergdoll and Richard Newman, 'Examining Velaquex', New Haven, 1998, pp. 108-111.

ARHT6920
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Moore **Session:** Semester 1, Semester 2 **Assessment:** Research and writing on an approved topic towards a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M A, M F S.

MA candidates only. Candidates undertake research and writing on an approved topic towards a dissertation of 12,000 words under the supervision of an academic staff member. The topic is elective, but ideally a combined exhibition plan and catalogue essay with ARHT6923 Gallery Internship. Candidates complete the dissertation in ARHT6921.

ARHT6921
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Moore **Session:** Semester 1, Semester 2 **Prerequisites:** ARHT6920 **Assessment:** Completion of a 12,000 word dissertation on an approved topic. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M A, M F S.

MA candidates only. Candidates write and submit a dissertation of 12,000 words under the supervision of an academic staff member. The topic is elective, but ideally a combined exhibition plan and catalogue essay with ARHT6923 Gallery Internship. Candidates undertake research toward the writing of the dissertation in the prerequisite unit of study, ARHT6920.

ARHT6923
Gallery Internship
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Moore **Session:** Semester 1, Semester 2 **Assessment:** 4000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A.

This compulsory unit will consist of a period of practical internship with a Sydney or regional NSW gallery, followed by the submission of a written report of activities by the student and an appraisal by the gallery concerned.

ARHT6924
Asian Modernities
Arts

Credit points: 6 **Teacher/Coordinator:** Professor John Clark **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1 x 4000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

The unit will examine the theoretical and empirical implications of plural modernities in art, and not the singular, homogenous genealogy of Euramerican discussions. It examines problems of post-modern and post-colonial conceptions applied in Asian contexts, and the range of other models for interpreting modernities as parallel to or 'other' than those of Euramerica. Each student will present a theoretical survey of one issue and also an application of a theoretical position to a concrete Asian art historical case.

Textbooks
Clark,John, 'Modern Asian Art', Honolulu, University of Hawai'i Press, 1998 and 'Asian Modernism:Diverse Development in Indonesia, the Philippines and Thailand', Tokyo, Asia Center, 1995.

ARHT6925
Feminism and Film Theory
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Laleen Jayamanne **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert F S, Grad Dip Arts, M A, PG Coursework Exchange.

This unit will provide an overview of the history of feminist film theory, criticism and film, taken as a point of departure for the study of cinematic modulation of gesture and affect. The aim is to explore the powers and qualities by which film creates bodies of all sorts (both organic and non-organic), including of course gendered bodies. This is therefore a unit concerned with film aesthetics, providing a precise focus on the study of how filmic powers and qualities are activated across a range of films (Hollywood genre films and Independent films). Gilles Deleuze' film theory will be used in this course as analytic tools to open up the field to further experimentation.

ARHT6930
Film Theory: Art, Industry, Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Dr. Richard Smith **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 4000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert C S, Grad Cert F S, M A, M F D I, PG Coursework Exchange.

The relation of film to industrial modernity is an ongoing issue for film theorists. With the advent of digital image processes and production the relation of art and industry has re-emerged with a new set of problems. How do we conceptualise the new forms? What theoretical and aesthetic language(s) do we draw on? And how best to rethink film in the face of rapid technological, formal and cultural change? These issues will be investigated via an examination of the history of film theory's attempts to formulate concepts adequate to the age of industrial modernity.

Textbooks
Recommended Readings: Manovich, Lev. 'The Language of New Media', Cambridge Massachusetts:MIT Press, 2001

ARHT6933
Australian Art: A World Upside Down
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Anita Callaway **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1 x 1000 word assignment; 1 x 3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit considers the special significance of ephemeral art as the cultural thread that linked the European hub to its periphery. It will examine how, in colonial situations where the academic canon could not apply, Western high-art traditions were encoded in innovative and less rarefied imagery. In identifying the classical and theatrical rhetoric embodied in popular art and public spectacle, the unit will consider the practical, theoretical and historiographical implications of this Antipodean inversion of the traditional hierarchy of art.

ARIN6901
Network Society
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Online themed presentation (1500 words equivalent); weblog (1000 words equivalent); major essay (2500 words); participation in online and offline discussion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert D C C, Grad Cert Lib Stud, Grad Cert Pub, Grad Dip Arts, Grad Dip Lib Stud, M A, M Lib Stud, M Media Prac, PG Coursework Exchange.

Is the network the distinctive mode of organisation for the 21st century? The Internet is the paradigmatic mode of decentralised many-to-many communication that interconnects with the century-old telecommunications and broadcasting networks. Geopolitical networks have displaced left/right Cold War oppositions. Social and professional networks extend influence beyond traditional institutional and family allegiances. Network models have challenged rationalist rule-governed models of thought and practice. The interdisciplinary critical analysis of current research, theory and debates will allow students to understand and evaluate the significance of networks in the contemporary world.

ARIN6902
Internet Cultures and Governance
Arts

Credit points: 6 **Teacher/Coordinator:** Mr J Cook **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Online themed presentation - 1500 words equiv; weblog - 1000 words equiv; major essay - 2500 words; participation in online and offline discussion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert D C C, Grad Cert Media Prac, Grad Cert Pub, Grad Dip Arts, Grad Dip Media Prac, M A, M Media Prac, PG Coursework Exchange.

The Internet is playing an increasingly important role in all aspects of social and economic life. This unit of study gives students an understanding of the underlying standards and regulations that impose constraints and open up opportunities for individuals and organisations to make strategic use of the global Internet infrastructure. The Internet provides a case study of how politics manifest not only in public rhetoric and policy, but also in the design of information architectures and interactive systems.

ARIN6903
Computers as Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Seminar presentation - 1500 words equiv; weblog - 1000 words equiv; essay - 2500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert D C C, Grad Cert F S, Grad Cert Media Prac, Grad Cert Pub, Grad Dip Arts, Grad Dip Media Prac, M A, M Media Prac, PG Coursework Exchange.

Why study computers as culture? Computers are platforms for social interaction, work and entertainment. They exist in the cultural imagination as well as in our homes and workplaces. This unit of study

analyses computers as culture, giving insights into human-technology interactions, and the past, present and future of digital culture and communication. The unit has four modules: Computers and the Cultural Imaginary; Computers, Language and Ideology; Computers and Communication; and Computers and new Cultural Forms.

Textbooks
Manovich, L. The Language of New Media. Cambridge, Mass.: MIT Press, 2001.

ARIN6910
Issues in Digital Cultures
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Annotated bibliography - 2000 words; critical reading report - 3000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Media Prac, Grad Dip Arts, Grad Dip Media Prac, M A, M D C C, M Media Prac, PG Coursework Exchange.

This unit will allow students to identify emerging trends in digital communication and culture, drawing on contemporary research into social and cultural aspects of technological change from across the humanities and social sciences. Students choose case studies such as uses of the Internet, digital television, computer games, consumer electronics, and mobile voice and data services. or explore theoretical themes around technocultures. In consultation with the unit of study convener or supervisor, students will prepare a reading list and write a critical report. Available to Master of Digital Communication and Culture candidates only.

ARIN6911
Project in Digital Communications
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** (a) Project critical analysis (2000 words) and major project (4000 words equivalent) or (b) Dissertation (6000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Media Prac, Grad Dip Arts, Grad Dip Media Prac, M A, M D C C, M Media Prac, PG Coursework Exchange.

Students complete a major project, drawing on research from ARIN6910. Working with a supervisor, the student may choose to deliver either: (a) a major piece of research appropriate for publication in an appropriate print or online academic journal, or (b) a major computer-based project (such as a web site or other information system implementation) accompanied by a critical analysis of the context and objectives of the project. Available to Master of Digital Communication and Culture candidates only.

ARIN6912
Digital Research and Publishing
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 2500 word journal article; 2x500 word Referees Reports; Online Reading Report / Presentation; Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert D C C, Grad Cert Media Prac, Grad Cert P C, Grad Cert Pub, Grad Dip Arts, Grad Dip Media Prac, Grad Dip P C, M A, M Media Prac, M P C, PG Coursework Exchange.

This unit introduces desktop and Internet skills for conducting research, managing peer review and publishing an online journal. It also addresses the wider social and epistemological transformations in cultural practices of knowledge generation, management and consumption associated with new technologies. It offers essential skills for all students interested in contemporary research, and a reflexive view of the historical and cultural contexts of networked digital research technologies.

ARIS6902
Muslim Women: Realities and Challenges
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit deals with the realities and challenges facing women in Islamic societies and Muslim women in Western societies, including Australia. The unit focuses on current debates on the position of women in traditional neo-patriarchal and modernizing societies, political participation, private and public space, cultural and religious spheres and the workforce. It highlights women's voices and perspectives on the hijab, body and sexuality, marriage, family and gender dynamics, with examples from the Middle East, Asia, Africa and the West.

ARIS6903
Islamic Law in the Modern World
Arts

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit examines Islamic law in its historical and social context and its place in the modern world. It discusses the major Islamic Schools of Jurisprudence and their approaches to principles and sources of jurisprudence. It highlights law reform attempts in several modern Muslim countries, current debates on family law, inheritance, business, Islamic banking, minorities' law and the question of Shari'a application as understood by ruling elites, moderate reformers, secular modernists and fundamentalist 'Islamists'.

ARIS6904
Crisis of Democracy in the Islamic World
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof A Shboul and Dr N Hajjar **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

The unit focuses on the crisis of democracy in the Islamic world. It examines debates about compatibility and conflict between Islamic principles and ideas of democracy, Islamic alternatives to Western systems, and tension between theory and practice of democratization in several contemporary Islamic countries. The unit highlights dynamics of secularization and religious radicalism, change and progress, and attitudes to liberalism, pluralism, human rights, social justice and civic society. It analyses religious and secular discourse from historical and sociological perspectives.

ARIS6905
Dissertation - Part 1
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prohibitions:** ARBC6905, ARBC6906 **Assessment:** 15,000 word dissertation on an approved topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, PG Coursework Exchange.

Master of Arts candidates complete research toward a 15,000 word dissertation on an approved topic under the supervision of an academic staff member. Dissertation to be written and submitted under ARIS6906.

ARIS6906
Dissertation - Part 2
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ARIS6905 **Prohibitions:** ARBC6905, ARBC6906 **Assessment:** 15,000 word dissertation

Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, PG Coursework Exchange.

Master of Arts candidates complete writing toward a 15,000 word dissertation on an approved topic under the supervision of an academic staff member. This unit follows ARIS6905.

ARIS6907
Islamic Worldview: Religion and Politics
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof A Shboul and Dr N Hajjar **Session:** Semester 1 **Classes:** 2 hours per wk **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit focuses on approaches to the study of Islam as a religious, cultural and political force. It discuses tensions between Islam as a religious faith and Islamism as a political ideology, and analyses diverse Muslim discourses on traditionalism and innovation, sources of moral and political authority, conversion and apostasy, war and justice, post-colonialism, Orientalism, intercultural and inter-faith dialogue. It examines challenges facing Muslim communities, including issues of identity, youth, religious minority, extremist fundamentalism and media perceptions.

ASNS6091
Dissertation in Asian Studies (1)
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a dissertation of 10-15,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Asian Stud.

Research and writing towards a dissertation of 10-15,000 words on an approved topic under the supervision of an academic member of staff. Students should consult the postgraduate coordinator to formulate a topic prior to enrolment. Agreement of a supervisor must also be secured before enrolment. To be followed by ASNS6092.

ASNS6092
Dissertation in Asian Studies (2)
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ASNS6091 **Assessment:** Completion and submission of a dissertation of 10-15,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Asian Stud.

Completion and submission of a dissertation of 10-15,000 words on an approved topic, written under the supervision of an academic member of staff. Follows ASNS6091.

ASNS6097
Supervised Reading in Asian Studies (1)
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud.

An opportunity, subject to special authorisation, to pursue individual interests under the direction of a qualified staff member in the relevant department. Students authorised to enrol in a supervised reading unit will complete a program of readings selected in consultation with the supervisor, that will be equivalent to the total workload for a normal 6 credit point postgraduate unit. Students will be required to produce 5,000 words of written work in English and to meet fortnightly with the supervisor to report on and discuss the agreed readings.

ASNS6098
Supervised Reading in Asian Studies (2)
Arts

Credit points: 6 **Teacher/Coordinator:** Please consult the postgraduate coordinator in the appropriate department. **Session:** Semester 1, Semester 2 **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud.

An opportunity, subject to special authorisation, to pursue individual interests under the direction of a qualified staff member in the relevant department. Students authorised to enrol in a supervised reading unit will complete a program of readings selected in consultation with the supervisor, that will be equivalent to the total workload for a normal 6 credit point postgraduate unit. Students will be required to produce 5,000 words of written work in English and to meet fortnightly with the supervisor to report on and discuss the agreed readings.

ASNS6099
Study at an Asian University
Arts

Credit points: 18 **Teacher/Coordinator:** Dr O Ansart **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Available to MA (Asian Studies) DC034 candidates only

Associated degrees: M A.

Available to Master of Asian Studies candidates only. Candidates undertake study at an accredited Asian university/higher education institution of their choice, subject to Faculty approval. Postgraduate units of study undertaken at that institution and approved in advance by the coordinator of the Asian Studies program will be credited towards completion of the Master of Asian Studies degree at The University of Sydney.

ASNS6900
Contemporary Asian Societies
Arts

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Vickers **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** Three essays of a total of 5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Cert Dv St, Grad Dip Arts, Grad Dip Asian Stud, Grad Dip Dv St, M A, M Asian Stud, M Dv St, PG Coursework Exchange.

This unit will explore some of the most challenging and sensitive issues confronting Asian societies today while providing training in the conceptual methods used to critically and objectively examine those issues. Where do globalization and rapid economic change leave human rights, minority groups, women, civil society, environment, the poor and the ideals of religious and cultural integrity? Case studies will be used to illustrate concepts, theories and critical methods that can help our thinking on such issues.

ASNS6901
Japan in the Western Imagination
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Stavros **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Seminar presentations x 2 (1000 words equiv) 25% each; research writing (approx 3000 words) 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

This seminar examines Western views of Japan from the 13th century to the present. By exploring how the image of Japan changed over time and how different narratives were shaped by internal (Western) forces, we will ask the question: How valid are our contemporary images of Japan? Sources and themes include: Marco Polo's travel records, Jesuit accounts, diaries of Western 'specialists' in Mieiji Japan,

anti-Japan war propaganda, and the image of Japan in US and Australian cinema today.

ASNS6902
Religion and State in Modern Asia
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Mayfair Yang **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 2000 word mid-term essay (30%); 3000 word final essay (50%); class performance, including oral presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

This unit of study will examine the experiences of modernity and religious change in several Asian societies, especially China, Japan and India. Different processes of secularization will be considered, as well as religious renewal and fundamentalist reactions to secularism. We will also explore the relationship between various religious traditions and how they accommodate, strengthen, or resist the various projects of modern Asian states and various modes of Asian nationalism.

ASNS6903
Theory and Method in Asian Studies
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Mayfair Yang and others **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 1 x 2000 word mid-term essay (30%); 1 x 3000 word final essay (50%); class performance including oral presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

Students will be introduced to the theories and intellectual perspectives in humanities and social sciences that are important in the Asian context. They will also learn different methodological approaches to Asian Studies, including archival and library research, ethnographic fieldwork, and interview techniques. Students will pursue their own research projects to apply and demonstrate some of the theories and research methods they have learned.

ASNS6904
Human Rights in Asia
Arts

Credit points: 6 **Teacher/Coordinator:** Drs David Bray and Michele Ford **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1 x 1500 word review essay on theoretical modules (30%); 1 x 3000 word research essay on a topic related to human rights (50%); participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Cert Dv St, Grad Cert H R, Grad Cert P A C S, Grad Dip Arts, Grad Dip Asian Stud, Grad Dip Dv St, M A, M Asian Stud, M Dv St, PG Coursework Exchange.

This unit of study provides students with the opportunity to engage critically with different concepts of human rights and explore case studies concerning the exercise of civil and political, economic and socio-cultural rights in a range of Asian contexts. Students are encouraged to interrogate the idea of human rights and to understand the interaction between intellectual traditions, cultural legacies and social and political practices in Asian contexts.

ASNS6905
Asian Popular Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Profs Mayfair Yang and Adrian Vickers **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Analytical report on an Asian media item (1500 words) 30%; major essay (3500 words) 60%; class participation 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Cert C S, Grad Cert F S, Grad Cert Media Prac, Grad Dip Arts, Grad Dip Asian Stud, Grad Dip Media Prac, M A, M Asian Stud, M Media Prac, PG Coursework Exchange.

Asia is fast becoming the centre of new developments in the mass media. Focusing on East and Southeast Asia, this unit will introduce major regional trends in film and television, differences in media systems, and cross-cultural understandings of Asian media. Particular focus will be on the analysis of feature films and television from Japan, Korea, Indonesia, Thailand and/or China, and on pan-Asian developments. These analyses will include discussions of the social, cultural and political roles of media.

ASTR6910
Sydney: Sites, Cultures and Communities
Arts

Credit points: 6 **Teacher/Coordinator:** Dr B Rooney **Session:** Semester 1 **Classes:** 2 hours per wk, involving either seminars or field trips **Assessment:** 1 x research portfolio and 1 x essay (combined total 4000-5000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert E L A, Grad Dip Arts, M A, PG Coursework Exchange.

This course asks how Sydney comes to be represented as a particular kind of Australian place and community. In the process of exploring Sydney's history, metropolitan spaces, cultures, texts and practices, students will identify broader issues pertaining to national identity. Students will engage, for example with Barani, the indigenous component of the official City of Sydney website; literary, historical and popular texts abut colonial and contemporary Sydney; tourist sites like the Rocks and Sydney Harbour; and events such as the 2000 Olympic Games. They will consider the meanings produced about Sydney, from indigenous, historic, literary, sociological, ecological and/or cultural perspectives.

ASTR6914
Australia and Asia: Cultural Encounters
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Y Claremont, Dr Y Wang, Dr B Rooney **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 1 x research portfolio + 1 x team project (combined total 4,000-5,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Cert C S, Grad Cert E L A, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, M Litt, PG Coursework Exchange.

The unit investigates issues in Australian history and culture and develops contexts for understanding Australian roles and relationships within the Asia-Pacific region. Module One introduces perspectives on Australian history, focusing on national identity, indigenous and non-indigenous relations and the White Australia Policy. Module Two considers Chinese perspectives on Australian culture as well as Australian attitudes towards Chinese and other Asian cultures. Module Three examines evolving relationships between Australia and Japan, from pearling and iron ore industries to popular cultural exchange.

University postgraduate units of study – B

BACH5001
Adult Learning
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support **Assessment:** Assignment based (non exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

The unit has been designed to encourage you to think critically about the concepts, strategies and theories of adult learning (traditional and contemporary) from theoretical and research literature relevant to education across the health sciences and services. The purpose of this process is to enable you to make informed, evidence-based arguments for enhancing deep approaches to student learning and encouraging self-regulated learning in your own teaching practice.

BACH5002
Educational Design
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1, Semester 2 **Classes:** External/distance mode - independent learning package, WebCT, and Email support **Assessment:** Planning project submitted as two assignments (non exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (MRS), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Hlth Sc (MRS), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Awa.

This unit examines the procedures and practices used by an educational designer in collecting and analysing data required for planning and proposing educational programs and designing effective learning plans. The models and readings recognise the differences and commonalities in the design needs of academics, clinical teachers and professional educators in university and further education settings, clinical and workplace contexts, and patient and community health education. Current concerns, such as evidence based design, constructive alignment, flexible and technology based modes of delivery and student approaches to learning are addressed. Participants experience design processes, such as pedagogical reasoning, by undertaking a design project relevant to their setting.

Textbooks

Caffarella R, Planning Programs for Adult Learners A practical guide for educators, trainers and staff developers, Jossey Bass, San Francisco (2002); Fraser K, Student centered teaching: the development and use of conceptual frameworks, Green Guide No 18, Higher Education and Research Society of Australasia (1996)

BACH5003
Facilitating Learning
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and email support. Optional weekend workshop dependent on student numbers (Saturday and Sunday) **Assumed knowledge:** Some knowledge of Adult Learning theory and Group Dynamics useful. **Assessment:** Literature review, video skills practice and reflective report (non exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

This unit engages new and experienced academic, clinical teachers and tutors, and community and patient educators with the opportunity to experiment with and practice the micro skills of teaching that are associated with effective learning, such as explaining, variation, questioning, demonstration and group discussion, and the micro skills of facilitation that enable students to learn from experience and construct personal and professional meaning. Participants videotape themselves practising various micro skills in their place of work or in the on campus workshop offered (subject to sufficient numbers). Participants then experience reflection as the basis for developing their "pedagogical signature" as a teacher and as a catalyst for continuing professional development. Teacher inquiry is introduced in the context of the scholarship of teaching associated with selecting and investigating the effectiveness of teaching and learning strategies.

Textbooks

Recommended:
Brookfield S, The Skilful Teacher: on techniques, trust and responsiveness in the classroom, Jossey Bass, San Francisco (2006); Brookfield, S & Preskill S, Discussion as a way of Teaching: Tools and techniques for University Teachers, Jossey Bass, San Francisco (2005); Biggs J, Teaching for Quality at University (2nd Ed), Open University Press, UK (2003)

BACH5007
Curriculum Leadership
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package/WebCT and Email support **Assumed knowledge:** Adult Learning BACH5001 and Educational Design BACH5002 **Assessment:** Context, briefing and discussion papers (no exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

Leadership in curriculum requires: a strategic knowledge about the policy and professional context in order to build a shared curriculum platform for curriculum deliberation; the capacity to undertake critical inquiry to inform curriculum design questions; a 'clear focus on course design with a conceptual grounding in research on student learning' (Gibbs, 1992); the ability to engage with others to theorize, design and elaborate a relevant and effective conceptual and pedagogical framework; negotiation of curriculum innovation and management of change, and dealing with accountability and continued quality through evaluation. These issues are relevant to anyone designing a program that requires a ladder of outcomes associated with some form of certification, accreditation or professional recognition whether you work in a university, health service or vocational training institution.

BACH5011
Survey Research Methods
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** Individual supervision; night classes and distance education **Assessment:** Three written assignments (33.3% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), H Sc D, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M App Sc (Orth), M Appl Sc (Health Psych), M Hlth Sc (Beh Sc), M Hlth S.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students

will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BACH5020
Introduction to Educational Computing
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Basic computer skills and some knowledge of Adult Learning theory is useful. **Assessment:** Assignment based **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Ed), P.

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education, such as the development of computer assisted instruction, artificial intelligence and expert systems, virtual reality, and computers as thinking tools. Participants will learn to apply concepts and skills of educational computing to their own educational settings, and develop a small educational web site.

BACH5022
Independent Investigation II
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External distance mode: contract learning **Assumed knowledge:** Basic principles of adult learning and educational design are useful **Assessment:** Negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. This is a self-directed independent learning contract including the opportunity for negotiated assessment. Many students use this unit to undertake an extended critical review to inform an educational project or innovation in their workplace or to explore a research topic in preparation for higher degree study in the field of education. Prospective students must discuss their topic of interest with the Unit Coordinator prior to enrolling in this unit.

BACH5026
Special Investigation
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Please contact your Program Coordinator **Session:** Semester 1, Semester 2 **Classes:** Contract learning; no on-campus attendance required **Assessment:** Negotiated learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M App Sc (Orth), M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (S.

This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

BACH5027
Mental Health in Later Life
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package **Assessment:** Two assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (E.

The unit aims to provide a broad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

BACH5036
Community Aged Care
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 1 **Classes:** Distance mode **Assessment:** 3 x essays **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (E.

This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of "deinstitutionalisation" as a defining feature of contemporary health policy and explores its intended and unintended consequences. There are 3 modules: the policy context; programs and services; profile and analysis.

BACH5042
Teaching Clinical Reasoning
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Some knowledge of Adult Learning theory is useful **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (MRS), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Hlth Sc (MRS), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Awa.

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

BACH5058
Residential Care Policies and Services
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** Distance mode **Assessment:** 3 x assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Available only to students enrolled in MHlthSc (Gerontology)

Associated degrees: B Hlth Sci, M H I, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed.

This unit provides an overview of the development and implementation of residential care policies for older Australians, explores specific issues in the delivery of residential aged care services and provides opportunity for independent inquiry.

BACH5063
Therapies for Children and Adolescents
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Prof Dianna Kenny **Session:** Semester 2 **Classes:** Contract learning **Prerequisites:** BACH5313 **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

This unit will provide students with an understanding of the major forms of therapy for children, adolescents and their families, research methods appropriate to their study, and an overview of current issues in working therapeutically with children and adolescents. The focus of this elective is on the mastery of the principles of learning theory, functional analysis of behaviour and behaviour management strategies. Students will be encouraged to pursue an area of special interest within the field related to their area of professional practice.

Textbooks
A manual will be provided

BACH5068
Statistics for Clinical Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard, Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Off-campus **Assessment:** Four assignments, total length 6000 words equivalent **Campus:** Cumberland **Mode of delivery:** On-line

Note: Students must have access to a PC to load and use the statistics packages SAS or SPSS

Associated degrees: B Hlth Sci, M H I, Grad Cert Hlth Sc (Child&Adol Hlth), Grad Dip Hlth Sc (Ed), H Sc D, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Ed).

This unit aims to introduce students to basic statistical principles relevant to the manipulation and analysis of clinical data. Students will be exposed to concepts of sampling, distributions of scores, summaries of data, and treatment of categorical and quantitative data. This last topic will include chi square analysis, calculation of confidence intervals, tests for differences in the locations of samples (including t-tests and tests for non-normally distributed data), correlation and regression, sample size estimation and an introduction to survival analysis. It is expected that at the conclusion of the unit students will be able to: appraise published statistical analyses; perform simple statistical tests by hand and with the assistance of a computer package SAS or SPSS; and present statistical data.

Textbooks
Various recommended texts on introductory statistics

BACH5085
Clinical Teaching and Supervision
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Some knowledge of adult learning theory is useful **Assessment:** Assignment based (non exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Hlth Sc (MRS), Grad Dip Med Ed, Health Sciences PG Cross-In.

This unit of study is concerned with exploring current theory and best practice teaching and supervision in clinical settings. Participants will be expected to develop a critical and research-informed understanding of the clinical setting as a highly complex and specialized context for student learning. You will be introduced to the principles of roles and responsibilities of clinical educators/supervisors/teachers, styles and models of clinical supervision, clinical assessment, and other important issues. These issues include integrating theory into clinical practice, mentorship and preceptorship, managing difficult situations, reflections, etc. The teaching and learning experiences in this subject are structured to allow you the opportunity to learn and apply these principles to your own teaching contexts.

Textbooks
Rose M & Best D (eds), Transforming Practice Through Clinical Education, Professional Supervision & Mentoring, Elsevier, Churchill Livingstone, Edinburgh (2005)

BACH5116
Developing Web-Based Education
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Basic computer skills and some knowledge of adult learning theory would be useful **Assessment:** Assignment based (non exam) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES)/eLearning. Participants will have the opportunity to develop WBES/eLearning for their own teaching context for flexible, online or blended learning for their own teaching context

Textbooks
Study materials will include CD/ROM study guide and readings on papers, with WebCT support. Students will be expected to purchase Microsoft Frontpage software

BACH5118
Learning in Groups
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and email support **Assessment:** Assignment based (non exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

This unit is concerned with working in groups and learning in groups and leadership. The focus is on group processes and the way in which we can facilitate these in an educational leadership role, or as a teacher, learner or participant in order to achieve effective learning and productive work related goals. The common core of knowledge for working effectively in these types of groups is group dynamics (how groups function). The unit does not directly address personal growth and therapeutic groups, or social support through groups other than the extent to which these may have a learning agenda. Participants discuss and critique the theoretical explanations of group processes and apply these to group functioning. Skills are developed in noticing and diagnosing aspects of group process. Participants work in interprofessional groups to undertake an online project and consideration of professional, indigenous and culturally diverse groups is essential. Some knowledge of adult learning theory is an advantage (readings are suggested).

Textbooks
Jaques D & Salmon G, Learning in groups, A Handbook for face-to-face and online environments (4th Ed), Routledge (2006)

BACH5138
Abnormal Psychology and Mental Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1, Semester 2 **Classes:** Contract learning (semester 1); external/distance mode (semester 2) **Assumed knowledge:** Undergraduate psychology **Assessment:** Five case studies, literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural disorders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSM IV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules two and three will involve learning by case studies. The unit is available in distance education mode in the second semester of each year, and is taught as a series of six seminars in Semester 1 of each year. Assessment requires students to complete five case studies and conduct a literature review.

Textbooks
Barlow, Abnormal Psychology (2nd ed) (2001)

BACH5139
Behaviour Mod & Cog Behavioural Therapy

Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Mairwen Jones **Session:** Semester 1 **Classes:** On-campus 2hr classes/week **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, timetabled study unit.

Textbooks
Martin & Pear, Behavior Modification: What It Is and How To Do It (2000)

BACH5143
Counselling
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings, Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Class attendance required (Semester 1), distance learning (Semester 2) **Assumed knowledge:** Undergraduate psychology **Assessment:** Audio-tape, literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, out-placement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

Textbooks
Egan G, The Skilled Helper (2001)

BACH5147
Psychology of Ageing
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Steve Cumming, Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** Web based: no on-campus attendance required **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (E.

This unit develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted.

BACH5151
Independent Investigation I

Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External distance mode: Contract learning **Assumed knowledge:** Basic principles of adult learning and educational design are useful **Assessment:** Negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. This is a self-directed independent learning contract including the opportunity for negotiated assessment. Many students use this unit to undertake an extended critical review to inform an educational project or innovation in their workplace or to explore a research topic in preparation for higher degree study in the field of education. Prospective students must discuss their topic of interest with the Unit Coordinator prior to enrolling in this unit.

BACH5153
Assessment of Learning
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: Independent learning package with WebCT and Email support **Assumed knowledge:** Knowledge of Adult Learning and Educational Design is useful. **Assessment:** One on line group assignment, one design report (non exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Med Ed, Grad Dip Hlth Sc (Ed), Grad Dip Med Ed, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlt.

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context. You will draw on contemporary research and best practice to design and critique assessment plans and protocols; support colleagues in the design of appropriate assessment and raise important issues for discussion; and learn to work effectively in an interdisciplinary, multi-institutional and possibly cross-cultural team to tackle assessment issues of common concern.

Textbooks
Rowntree D, Assessing Students: How shall we know them? Routledge Falmer, London (1987); Athanasou J & Lamprianou L, The Teachers Guide to Assessment, Social Science Press, Sydney (2002)

BACH5165
Post Trauma Stress
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 1 **Classes:** On-campus contract learning **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (OT), PG.

This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on-campus directed independent study unit.

BACH5180
Stress and Illness: Management Issues
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 1 **Classes:** On-campus contract learning **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (Health Psych), Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth).

The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as relaxation, biofeedback, cognitive restructuring and time management. This is an on-campus directed independent study unit.

Textbooks
Rice PC, Stress and Health (3rd ed), Brooks/Cole Publishing Company, Melbourne (1999)

BACH5186
Professional Development Skills
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1, Semester 2 **Classes:** Distance education with WebCT support: no on-campus attendance required **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (MRS), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Ed), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (B.

Participants in this unit of study will be expected to develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical analysis, formation of tables and graphs, critical literature review. There will be flexibility in selecting assignment content to match the background and needs of the particular student. Participation in WebCT discussion forum is expected.

BACH5196
International Health and Society
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package **Assessment:** Project, assignment **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

This unit aims to provide students with an understanding of psychosocial and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and well-being and analyses the current health issues and health priorities in developed and developing countries. The unit also addresses health and development in the 21st century, critical issues in global health and shaping the future of health through global partnerships.

BACH5198
Contemporary Issues 1
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings, Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Distance education mode: contract learning (no on-campus attendance required) **Assumed knowledge:** Previous study of psychology at undergraduate level or BACH5321 Psychology for Graduate Students **Assessment:** Four focused inquiries **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

This unit will enable students to study in-depth four areas of special interest related to child and adolescent health and adjustment. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

Textbooks
Readings (supplied)

BACH5200
Contemporary Issues 2
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings, Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Distance education: contract learning **Prerequisites:** BACH5198 **Assessment:** Four critical reviews **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment not previously studied in BACH5198 Contemporary Issues 1. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

Textbooks
Readings supplied

BACH5224
Organisational Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1 **Classes:** Distance education **Assessment:** Three written assignments (25%, 30%, 45%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Geront.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses these as a springboard for the analysis of changing functions of a successful manager.

BACH5253
Intermediate Statistics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard, Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Distance education with some night classes **Prerequisites:** BACH1143 Designing Health Research and BACH1145 Quantitative Health and Social Research **Assessment:** Written reports, written exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment. Note: 0

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), H Sc D, Health Sciences PG Non Award, M App Sc (Orth), M Appl Sc (Health Psych), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exch.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in BACH1143 Designing Health Research and BACH1145 Quantitative Health and Social Research. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BACH5255
Qualitative Research Methods
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** On-campus, 3hrs lecture/lab/tutorial per week and distance mode **Assessment:** Assignments, exam **Practical field work:** 2 hours fieldwork **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), H Sc D, Health Sciences PG Non Award, M Appl Sc (Health Psych), M H I, M H I (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework E.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate; students also work on a research project of their choice throughout the semester.

Textbooks
Silverman D, Doing Qualitative Research (2nd ed), Sage (2005)

BACH5263
Dissertation
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Please contact your Program Coordinator **Session:** Semester 1, Semester 2 **Classes:** Supervised project: external/distance mode **Assessment:** 12,000 word written report **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Behav Sc)Hons, M Hlth Sc (Child Adol Hlth)Hons, M Hlth Sc (Child Adol Hlth) Hons, M Hlth Sc (Ed) Hons, M Hlth Sc (Geront) Hons, M Hlth Sc (Geront) Hons, PG Coursework Exchange.

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

BACH5284
Learning in the Workplace
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and Email support **Assumed knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design **Assessment:** Assignment based **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Ed), M.

Participants explore the main challenges facing educators delivering training and professional development in the workplace. For example, the effects of the changing nature of work; the culturally diverse work force; multi-disciplinary service delivery; job redesign; skills shortages, workplace standards; staff retention; and information and communication technologies. Education trends associated with these changes are considered; such as, on the job training, competency-based education, mandatory continuing education, simulation, 'new grad training', AIN and EN training, informal and incidental learning, transfer of learning, life long learning and interprofessional learning. [This unit is not available for students who have completed BACH5024 In-service and Continuing Education].

Textbooks
Billet S, Learning in the Workplace, Allen & Unwin, NSW (2001)

BACH5289
Disability and the Community
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Rosemary Pynor **Session:** Semester 1, Semester 2 **Classes:** Individual supervision: on-campus attendance not required **Prohibitions:** BACH5178 Stress & Disability, BACH4063 Stress & Disability, BACH4064 Disability & The Community **Assessment:** Two essays (1500 words and 2000 words), one journal (2000 words) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (Child&Adol Hlth), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

The aim of this unit of study is to challenge students' understanding of disability. Definitions and models of disability will be examined in terms of how they affect community attitudes toward disability. The unit provides an insight into the life experiences and social position of disabled people from their own perspective. Students will be encouraged to focus their study on a particular segment of the community (ie health professionals, different ethnic groups or media) and examine that group's attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie women, children or people with a specific condition). Some of the topics covered will be definitions of disability, models of disability, attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people leading to more positive rehabilitation outcomes.

BACH5298
History and Philosophy of Science
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance learning only: no on-campus classes **Assessment:** Two 1000 word assignments **Campus:** Cumberland **Mode of delivery:** On-line

Note: Not available to Doctor of Health Science students

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Med Sono), PG Coursework Exchange, UG Study Abroad.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the nature of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks
Chalmers A, What is This Thing Called Science? University of Queensland Press (1994)
Hung E, The Name of Science: Problems and Perspective, Wadsworth Press (1997)

BACH5300
Action Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Mary Jane Mahony **Session:** Semester 1 **Classes:** Web based: no on-campus attendance required **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), H Sc D, Health Sciences PG Non Award, M Appl Sc (Health Psych), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework.

Action research is a participatory, process concerned with developing practical knowledge in the pursuit of worthwhile human purposes. In participation with others, health professionals and researchers bring action and reflection, theory and practice together in the pursuit of practical solutions to pressing issues of health and wellbeing of individuals and their communities. Action research is a set of practices for systematic development of knowledge grounded in a participatory worldview. It is rather different from traditional academic research, with different purposes, based in different relationships, and with different ways of conceiving knowledge and its relation to practice. Action research can be applied in community work, complex systems research, collaborative inquiry, improving health interventions and in other ways. This unit is suitable for research students developing

action research, participatory research or similar projects, and for health professionals who are serious about improving their practice.

BACH5302
Epidemiological Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** On-campus 3hrs/wk **Assumed knowledge:** Previous study of Research Methods at undergraduate level **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Non Award, M App Sc (Orth), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

Textbooks
Hennekens & Buring, Epidemiology in Medicine

BACH5309
Assessment of Children and Adolescents
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Prof Dianna Kenny, Dr Chris Lennings **Session:** Semester 2 **Classes:** Contract learning, including on-campus attendance of 2hrs/fortnight. Also available by distance education with special conditions (contact coordinator) **Prerequisites:** Three year undergraduate degree in psychology and BACH5313 Child and Adolescent Psychology **Assessment:** Case study, literature review **Practical field work:** Observation of assessment and use of psychological tests. Distance students must have access to a registered psychologist who can supervise their work **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

This unit introduces students to the concepts of psychological assessment including norming, reliability, validity, and standardised administration. The unit familiarises students with cognitive and educational tests and assessment of adaptive function for children and adolescents. Students will be required to undertake supervised administration of one of the Wechsler Scales of Intelligence for Children and a test of educational achievement. Only students seeking registration with the NSW Psychologists Registration Board are eligible.

Textbooks
A manual will be provided

BACH5313
Child and Adolescent Psychology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Prof Dianna Kenny **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assumed knowledge:** Previous study of psychology at undergraduate level is assumed **Assessment:** Four tasks **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

This unit will provide students with an understanding of the major theories of child development with a focus on cognitive and social development; an overview of current issues in child development and the application of developmental theory to health professional practice. Students will be encouraged to pursue an area of special interest within the field of child development related to their area of professional practice.

Textbooks
Berk LE, Child Development (6th ed), Allyn & Bacon Publishing, Boston (2003); or
Shaffer DR, Developmental Psychology (6th ed), Wadsworth/Thomson Learning, Belmont (2002)

BACH5321
Psychology for Graduate Students
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M D R, M D R (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (E.

This unit provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour - how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. This unit is only available to students who have no undergraduate studies in psychology.

BACH5322
Sociology for Health Professionals
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Toni Schofield **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Six short answers (500 words ea), 3000 word essay **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M D R, M D R (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (E.

The aim of this unit is to develop an understanding of basic sociological concepts and theories and their applications in analysing health issues. It also aims to develop an ability to critically examine and evaluate aspects of a familiar society in order to extend an understanding of the social structures, institutions and processes relevant to health issues.

BACH5323
Advanced Counselling Skills
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1, Semester 2 **Classes:** Contract learning, including attendance at 6 seminars. Also available by distance education mode **Prerequisites:** BACH5143 Counselling **Assumed knowledge:** Basic counselling skills **Assessment:** Case study analysis and counselling management plan **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The unit is taught as a series of six seminars in the semester following completion of BACH5143 Counselling. This unit is also available in distance education mode. Assessment requires students to critically analyse a counselling session they have undertaken and complete a counselling management plan.

Textbooks
To be advised.

BACH5324
Psychotherapy

Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 2 **Classes:** Contract learning, including attendance at 6 seminars **Prerequisites:** BACH5143 Counselling **Corequisites:** BACH5323 Advanced Counselling Skills **Assessment:** Completion of 3 case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exc.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and action therapies in psychotherapy. The unit is delivered as a series of six seminars.

BACH5328
Evaluating Health Interventions
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** Web based **Assessment:** Continuous. Project based assignments and participation **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), H Sc D, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M App Sc (Orth), M Appl Sc (Health Psych), M Hlth Sc (Beh Sc), M Hlth S.

Researchers and professional evaluate health interventions to improve knowledge of health, disease and clinical practice, and to support decision making for improved health services. This unit will enable students to make informed choices among a range of evaluation perspectives, theories, methods and designs.

Textbooks
Ovretreit J (1998) Evaluating Health Interventions, Buckingham: Open University Press

BACH5333
Psychosocial Aspects of Sport
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 2 **Classes:** On campus or individual supervision depending on the number of students enrolled **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Health Sciences PG Non Award, PG Coursework Exchange.

The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete staleness and burnout; stress, injury and psychological rehabilitation. The second part of the unit examines the nature of modern sporting forms and practices and relates them to broader social structures and cultural processes in Australian society. These aims are realised through the application of a range of sociological theories and concepts. Topics covered include: the development, nature and limitations of modern sports; the relationship between sport and key dimensions of social structure (including class and gender); the impact of the mass media and corporate sponsorship on the organisation and running of elite sports; ideology, power and politics in sports (including the Olympic Games); and the transformation of professional football leagues since the Second World War.

BACH5336
Lecturing and Large Group Teaching
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and Email support **Assumed knowledge:** BACH5001 Adult Learning and BACH5002 Educational Design **Assessment:** Assignment based **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Ed), PG Coursework Exchange.

This unit examines the context of large group teaching with a particular focus on effective lectures and lecturing within and outside university settings. Lecture structure is considered in the light of recent evidence concerning the impact of memory, attention and motivation in the process of student learning and the transfer of learning. Design issues, such as strategies to engage deep learning, monitoring understanding, and flexibility offered by the new information and communication technologies are explored. Relevant micro skills of teaching, such as getting and keeping attention, explaining, variation, dynamic structuring and managing disruption are addressed.

Textbooks
Bligh D, What's the use of lectures? Jossey Bass, San Francisco (2000)
Recommended:
Fraser K, Student centred teaching: the development & use of conceptual frameworks, Green Guide No 18, Higher Education & research Society of Australasia, Canberra (1996); Biggs J, Teaching for Quality at University (2ed Ed), Open University Press, UK (2003)

BACH5338
Cyberpsychology and Online Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** On-campus, 2hrs lectures/lab/turorial per week **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M H I, M H I (Hons), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), PG Coursework Exchange.

Cyberpsychology and e-Health aims to educate those seeking careers in allied health on how societal and individual health is both affected and resourced by the internet. The unit of study will be based on current research and policy guidelines set by the Australian and American Medical Associations, the American Psychological Association and Australian Psychological Society for the use of information technology in the following areas: informing allied health professionals of online resources for their profession; how types of ICT functions may affect the behaviour of youth and the elderly; ethics and viability of delivering general health and mental health resources online; the evolution of telemedicine and cyber-pharmacology practices; provision of psychological therapy over the internet; general health and mental health research and testing online; quality control and assessment of general and specific online health resources; future directions of information technology and its application to health.

Textbooks
No set textbook, but recommended reading will be provided

BACH5340
Healthy Behaviours-Promoting Self Change
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** 3hrs per week (2 hours lectures and 1 hour tutorials) **Assessment:** Two assignments: 1500 & 3000 words (25% and 50% respectively), short answer exam (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M O T.

The aim of this unit is to advance student's knowledge on lifestyle factors that enhance health and prevent illness. Mortality from today's leading causes of death would be markedly reduced if people adopt health protective behaviours, such as not smoking, responsible consumption of alcohol, regular exercises, healthy diets etc.

Some of the major issues covered by this unit will include: lifestyles, risk factors, and health; interdisciplinary perspectives on preventing illness; developmental, gender and sociocultural factors in health; effective methods for promoting health in the community (e.g. social

marketing, opportunistic advocacy, community mobilsations, etc); reducing alcohol/substance misuse; improving healthy eating habits; promoting physical activities; macrolevel analyses of program impacts.

Researchers, health promotion practitioners, health planners, and policy analysts will be invited to present lectures.

BACH5341
Research & Inquiry in Health Professions
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1, Semester 2 **Classes:** On-campus: 3 hrs/week evening classes throughout semester. Off-campus: distance mode **Assessment:** 3 assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Not available for Doctor of Health Science students. This unit of study is suitable for postgraduate coursework students who do not intend to progress to a research degree.

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M, B Hlth Sci, M Rehab Clng, Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sc (Ex&Sp Sc), Grad Cert Hlth Sc (Sexual Hlth), Grad Cert Hlth Sci, Grad Dip Appl.

This unit provides an overview of the research process and focuses on the formulation of a proposal for a small research project. It provides students with an opportunity to review and update their knowledge of research methods, and acts as an introduction to the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced.

Textbooks
Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.
Babbie, E. (2007) The Practice of Social Research (11th ed) Belmont, Calif: Thomson/Wadsworth

BACH5342
Social Dimensions of Biotechnology
Health Sciences

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week (day classes): lecture/lab/tutorial throughout semester **Assumed knowledge:** Previous study at undergraduate level: Health, illness and Social Inquiry or Introduction to Health Sociology or Foundations of Health Sociology **Assessment:** 1 x journal club assignment, 1 x 1000 word assignment, 1 x 2000 word essay and workshop participation. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M H I, M H I (Hons), M Hlth Sc (Hlth Informatics).

This unit examines the social dimension of biotechnology and its role in medicine and health. It focuses on the promises and limitations of biotechnology, the ethical implications, and its representation in the media. Students will explore notions of the 'genetic underclass'; genetic determinism in media representation; the changing nature of traditional institutions such as the family and the workplace in light of our increasing knowledge about genes, heredity, and genetic risk; and the reconstitution of social and individual identities through biotechnology.

Students will be introduced to social issues surrounding cutting edge technologies including the human genome project, gene therapy, stem cell research, cloning, xeno transplantations, reproductive technologies, and the various types of DNA tests now available including presymptomatic, predictive, and diagnostic tests; population (mass) screenings; pre-implantation diagnosis; and forensic DNA fingerprinting.

BACH5343
Ageing and Society
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Distance mode. No on-campus attendance required. **Assessment:** 2 x 2000 word essays (2 x 33%) and 1 x 2000 word critical reflection (34%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Not available to students who have completed BACH5041 Introduction to Gerontology

Associated degrees: Grad Cert Hlth Sci, M Hlth Sc (Geront), M Hlth Sci.

This unit is an introduction to social gerontology, the field of study dealing with the social aspects of human ageing. The unit design allows participants from different countries to locate their own nation's ageing in a global framework. It comprises three modules: (i) Population ageing and public policy examines the social impact of, and policy responses to, the worldwide phenomenon of demographic ageing, with particular focus on work/retirement, health and aged care; (ii) Social diversity, communities and networks examines local-level social influences on the resources and vulnerabilities of ageing individuals, with particular focus on social participation/exclusion and social support; (iii) Ageing in socio-cultural context explores how culture (meanings, attitudes, values and associated institutional practices) influences concepts of the life course, with particular focus on how ageing and older people are represented in popular discourse, public administration and professional practice.

BACH5344
Contemporary Issues in Gerontology
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Distance mode. No on-campus attendance required. **Assessment:** Two 3000 word written reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sci, M Hlth Sc (Geront), M Hlth Sci.

The rapidity and scale of global ageing poses unprecedented challenges and opportunities for individuals, societies and governments. This unit provides a topical approach to changing trends and emerging issues associated with individual and population ageing. Participants will choose two topics for indepth study and assessment. Topics for 2008 will be drawn from: gerontological perspectives on 'quality of life'; aged care policy: issues for the 21st century; older people and the internet; promoting engagement in daily living; continence care; gender and ageing; other topics to be determined.

BANK6002
Bank Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week **Prerequisites:** ECON5001 and ECON5002 **Assessment:** Mid session exam 25% ; Group Assignment 25%; Final examination 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, PG Coursework Exchange.

The unifying theme in this subject is the application of modern finance theory to financial decision making in the management of banks and non-bank financial institutions. The subject of bank and financial incitation decision-making is approached from a risk perspective. The course objectives are: (i) To provide students with an understanding of the modern model of financial institutions; (ii) Identify the main types of risk confronted by financial institutions; (iii) Apply relevant techniques to measure and manage those risks; (iv) To provide students with an understanding of international bank management; (v) To provide students with an understanding of international financial services.

BANK6003
Global Supervision of Bank Risks
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week **Prerequisites:** ECON5001 and ECON5002 **Assessment:** Mid-Semester Exam; Group Project; Final Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This course is aimed at students who wish to obtain a greater understanding of the central issues and principles underpinning recent developments in the global regulation and supervision of banking/financial institutions.

BANK7001
Banking Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

BANK7002
Banking Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

BDST6901
Readings in Early Buddhist Literature
Arts

Credit points: 6 **Teacher/Coordinator:** Dr M Allon **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

This seminar will focus on the events and factors central to understanding the origins, formation, transmission and, ultimately, the character of early Buddhist literature, including early Mahayana texts. The ways in which texts were used by Buddhist communities will also be investigated. Discussion and debate will be based on a reading of both secondary and primary source material (the latter in English translation only). Throughout the course a selection of Buddhist texts will be read and their characteristics discussed.

BDST6902
Buddhism and the West
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Cert Lib Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

The first section of this unit focuses on the Western discovery of Buddhism in the 19th century and the development of the academic study of Buddhism and Indology. The emergence of Western Buddhism will be the focus in the second section. Particular attention will be paid to the centrality of meditation, issues related to authority and transmission of traditions, the role of laity and women, and to the application of Buddhist principles to wider ethical, social and political concerns.

BDST6905
Healing in Buddhism
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Edward Crangle **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip Buddhist Stud, Grad Dip Medical Hum, M A, M Buddhist Stud, M Medical Hum, PG Coursework Exchange.

This unit provides an introductory examination of Buddhist attitudes to health, healing, and healing practices, with emphasis on the evaluation of psycho/spiritual methods. With these in mind, the unit will consider briefly the metaphysics and dynamics of healing depicted in Early Buddhism and its development in the Mahayana and Vajrayana. Class material is derived from both primary and secondary textual sources, as well as recent fieldwork. Some consideration will be given to the Western secular (i.e., psychotherapeutic) appropriation of Buddhist healing practices.

BETH5000
Core Concepts in Bioethics
Science

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of two hours of seminars per week and up to 4 hours per week spent on online learning tasks, small group sessions, project work, and consultation with lecturers. **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. A limited number of students may be granted permission to take this unit during their honours year. **Assessment:** Essays; short written assignments; research project/presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert Med Hum, Grad Dip Bioethics, Grad Dip Med Hum, Grad Dip Surg, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

This unit of study provides a broad overview of the primary issues in, and theoretical approaches to, bioethics. Following an introduction to the history of bioethics and review of the major theoretical approaches to applied ethics, central debates in bioethics surrounding doctor-patient relationships, informed consent, privacy/confidentiality, research ethics, abortion, euthanasia, genetics, cloning, stem cell research, justice and distribution of health care resources, etc., are examined. In addition to classical cases and traditional theoretical perspectives, emerging topics and alternative perspectives are explored. The unit concludes with the topic of global public health and socio-political critique(s) of the discipline of bioethics itself. Learning activities will include seminars, small group sessions, and project work. It is recommended, but not required, that BETH5000 is taken during students' first semester in the program.

BETH5101
Introduction to Ethical Reasoning
Science

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of two hours of seminar/week and up to 4 hours per week spent on online learning tasks, small group sessions, project work, and consultation with lecturers **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays; short written assignments; research project/presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert Med Hum, Grad Dip Bioethics, Grad Dip Med Hum, Grad Dip Surg, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

This unit prepares students for advanced analysis of issues in bioethics by laying foundations in both critical thinking and ethical theory. Following an introduction to the construction and assessment of arguments, central issues of debate in meta-ethics, normative ethics, and political philosophy are examined. Major traditional (historical, consequential, deontological, contractarian/egalitarian, and communitarian) theoretical frameworks as well as postmodern/continental perspectives are introduced and critically

evaluated. The unit concludes with an introduction to applied and professional ethics. It is recommended, but not required, that BETH5101 is taken during students' first semester in the program.

BETH5102
Philosophy of Medicine
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2-hour seminar per week with up to 4 hours per week spent on online learning tasks, small group sessions, project work, and consultation with lecturers. **Assumed knowledge:** A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. **Assessment:** Essays, short written assignments, research project/presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert Med Hum, Grad Dip Bioethics, Grad Dip Med Hum, Grad Dip Surg, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

This unit of study introduces students to the broader philosophical issues and epistemological structures that underlie medicine and the biomedical sciences. The unit will begin by introducing students to the philosophy of science and medicine, epistemology and the concepts of health, illness and disease. The second part of the unit will review debates regarding disease causation and the social construction of disease. Students will then consider issues relating to the generation and use of knowledge and evidence, and the differences between conventional and alternative/non-Western approaches to illness and healing. The final part of the unit will focus on diagnosis, nosology and classification of disease, with particular reference to mental illness.

BETH5103
Biomedicine and Society
Science

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week with up to 4 hours per week week spent on online learning tasks, small group sessions, project work and consultation with lecturers. **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments, presentation/project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert H R, Grad Cert Med Hum, Grad Dip Bioethics, Grad Dip Med Hum, Grad Dip Surg, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

This unit introduces students to the complex relationships between biomedicine and society utilizing several disciplines including philosophy, ethics, sociology, anthropology and linguistics. Students will consider issues such as power in the biomedical professions and industries; the illness experience; the role of the healer; biomedicine and indigenous cultures and non-western notions of illness and care.

BETH5104
Bioethics, Law and Society
Science

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of one 2-hour seminar per week presented in an intensive format with up to four hours per week spent on online learning tasks, small group sessions and consultation with lecturers. **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission **Assessment:** Essays, short written assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert Med Hum, Grad Dip Bioethics, Grad Dip H Pol, Grad Dip Med Hum, Grad Dip Surg, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

The unit of study will begin by introducing students to interrelationships between health care, ethics and the law. In particular students will explore the moral basis of law and the means by which law influences moral norms, clinical practice and health policy. Students will be shown how to critically read and analyse primary sources of law relevant to bioethics. Students will then examine a number of areas of law that have particular significance for bioethics and society including the law of tort (consent and standards of care), contract (confidentiality), criminal law (euthanasia and abortion), public health law, administrative law and law reform.

BETH5201
Ethics and Biotech: Genes and Stem Cells
Science

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week presented in flexible mode incorporating seminars and an intensive format. In addition, students will spend up to four hours per week on online learning tasks, small group sessions, project work and consultati **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments, presentation/project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert App Sc (M B T), Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert Med Hum, Grad Dip Bioethics, Grad Dip Med Hum, Grad Dip Surg, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

This unit introduces students to the broader social/political, ethical/philosophical and legal/regulatory issues that underlie genetics, stem cell research and the emerging biotechnologies. The unit will provide a brief overview of the relevant science before considering scientific, cultural and religious understandings of life and human identity. The second part of the unit will review the political, regulatory and commercial context of biotechnology and the control of information. Students will then review the history of genetics and eugenics and the ethical issues that arise in clinical and population genetics, stem cell research and cloning. The final part of the unit will explore the boundaries of research and knowledge and the issues raised by emerging biotechnologies, such as nanotechnology and proteomics. Learning activities will include an intensive seminar program, small group sessions and reading. Students will be able to concentrate on stem cell research, clinical or molecular genetics or other biotechnologies according to their clinical and scientific interests and experience.

BETH5202
Human and Animal Research Ethics
Science

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week presented in flexible mode incorporating seminars and an intensive format. In addition, students will spend up to four hours per week on online learning tasks, small group sessions, project work and consultati **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments, projects/presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert Med Hum, Grad Cert V P H, Grad Cert V P H Mgt, Grad Dip Bioethics, Grad Dip Med Hum, Grad Dip Surg, Grad Dip Vet Stud, M Bioethics, M Bioethics (Hons), M Med Hum, M S, PG Coursework Exchange.

This unit introduces students to research ethics in its social context. Students will first analyse the philosophical underpinnings of the research endeavour, including the justifications for engaging in research, research priorities and research integrity. The unit will then review the history of research and research abuses, the evolution of research ethics and the regulation of research in Australia. The second part of the unit will focus on issues arising in the conduct of research including; the protection of research subjects (both human and animal), consent, confidentiality and risk/benefit analysis.

BETH5203
Ethics and Public Health

Science

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week will be presented in an intensive format. In addition, students will spend up to four hours per week on online learning tasks, small group sessions, project work and consultation with lecturers over the course **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Cert H R, Grad Cert Med Hum, Grad Cert V P H, Grad Cert V P H Mgt, Grad Dip Bioethics, Grad Dip Int P H, Grad Dip Med Hum, Grad Dip P H, Grad Dip Surg, Grad Dip Vet Stud, M Bioethics, M Bioethics (Hons.

This unit will provide students with an overview of the broader philosophical, ethical, sociopolitical and cultural issues that underlie public health and public health research. Students will first review the history of public health and examine the values that underpin health promotion and disease prevention. The second part of the unit will critique the place of facts and values in public health and the construction and use of information, with particular reference to evidence-based-medicine. The third part of the unit will examine the cultural, moral and social context of public health including the social determinants of health, the construction of health services, the determination of research priorities and issues relating to human rights and global health. Learning activities will include 2-hour weekly seminars and readings. Assessment tasks will consist of essays and a presentation/project.

BETH5204
Clinical Ethics
Science

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of one 2-hour seminar per week presented in an intensive format. In addition, students will spend up to four hours per week on small group sessions, project work, portfolio development and discussion, and consultation with lecturers. (Stu **Assumed knowledge:** Honours or equivalent degree, or other appropriate terminal undergraduate degree (such as a three-year nursing degree) in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field-or by special permission. **Assessment:** Two essays, reflective portfolio/journal via WebCT and a project/presentation on the analysis of a case **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: A limited number of students may be granted permission to take this unit during their honours year.

Associated degrees: Grad Cert Bioeth (Clin Eth), Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Dip Bioethics, M Bioethics, M Bioethics (Hons), PG Coursework Exchange.

This unit will provide students with an overview of the broader philosophical, ethical, sociopolitical, and cultural issues that underlie the delivery of healthcare. Students will first explore major conceptual models for ethical reasoning in the clinical context; the design and delivery of clinical ethics consultation; and issues relating to the role of the professions. The second part of the unit will examine the foundations of clinical practice, including consent, competence, veracity, confidentiality, and decision-making. The third part of the unit will consider specific issues and populations within clinical practice, such as the care of vulnerable populations, mental health, and chronic illness. The next part of the unit will focus on skills associated with clinical ethics including analytic and mediation skills. The unit will conclude with reflections on current debates in the Australian healthcare context, particularly issues associated with healthcare rationing. Learning activities will include lectures (in an intensive format), facilitated discussion, case study presentations, and readings. Assessment tasks will consist of essays, a portfolio/journal, and a presentation/project.

BETH5205
Ethics and Mental Health
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2-hour seminar per week with 4 hours per week spent on consultation, on-line work, library work, independent study. **Assessment:** One short essay (1,500 words); one long essay (4,000 words); on-line task, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Bioeth (Clin Eth), Grad Cert Bioethics, Grad Cert Bioethics(Biotech), Grad Dip Bioethics, M Bioethics, M Bioethics (Hons), PG Coursework Exchange.

Mental health and mental illness are unique in the field of health care and bioethics. The very nature of psychiatric disorder and its relationship with prevailing social and cultural factors, in addition to the unique status of the mental health patient, necessitate a specific discourse in biomedical ethics in the area of mental health. This course will provide participants with a broad perspective of issues in bioethics applied to mental health and mental illness. Students will examine the history of the psychiatric profession and consider the adequacy of current safeguards against the abuses of power seen in the history of the profession of psychiatry. Other areas considered in the course include the current ethical dilemmas in mental health care, the implications of technological advances in the neurosciences, the philosophical basis of the concept of mental disorder, the relationship between power and the psychiatric profession and the complex relationship between morality, mental health and the law. The course aspires to inform future decision makers in health, public policy, clinical settings and academia in the unique aspects of biomedical ethics in the field of mental health.

Textbooks
Bloch, S; Green, S; Chodoff, P Psychiatric Ethics New York. Oxford University Press (4th Edition will be released late 2007)

BETH5301
Research Project A
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly consultation with supervisor(s). **Prerequisites:** Distinction average (or higher) in 24 credit points of BETH units of study. **Assessment:** Research tasks, 15,000 word thesis (in conjunction with BETH 5302). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Only available to students admitted to the Master of Bioethics (Honours) degree. BETH5301 must be taken in conjunction with BETH5302. It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters.

Associated degrees: M Bioethics (Hons).

This unit must be taken in conjunction with BETH5302 (Research Project B). These units are only available to students admitted to the Master of Bioethics (Honours) degree track. The Research Project (i.e. parts A and B combined) provides opportunity for research and in-depth learning in a bioethics topic of special interest or importance to the student. Successful completion of the project may also provide students with the research experience required for the pursuit of a higher degree. This unit involves independent research and regular meetings with (a) supervisor(s). In the process of completing the Research Project (i.e. parts A and B combined), students will produce an original 15,000 word thesis. Choice of thesis topic depends on availability of appropriate supervisor(s). It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters. A mark for both BETH5301 and BETH5302 combined is provided at the completion of BETH5302 (upon submission of thesis). It is possible to take these units in distance mode.

BETH5302
Research Project B
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly consultation with supervisor(s). **Assessment:** Research tasks, 15,000 word thesis (in conjunction with BETH5301). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Only available to students admitted to the Masters of Bioethics (Honours) degree. Must be taken in conjunction with BETH5301. It is recommended, but not required that BETH5301 and BETH5302 are taken in separate semesters.

Associated degrees: M Bioethics (Hons).

This unit must be taken in conjunction with BETH5301 (Research Project A). These units are only available to students admitted to the Master of Bioethics (Honours) degree. The Research Project (i.e. parts A and B combined) provides opportunity for research and

in-depth learning in a bioethics topic of special interest or importance to the student. Successful completion of the project may also provide students with the research experience required for the pursuit of a higher degree. This unit involves independent research and regular meetings with (a) supervisor(s). In the process of completing the Research Project (i.e. parts A and B combined), students will produce an original 15,000 word thesis. Choice of thesis topic depends on availability of appropriate supervisor(s). It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters. A mark for both BETH5301 and BETH5302 combined is provided at the completion of BETH5302 (upon submission of thesis). It is possible to take these units in distance mode.

BINF5002
Bioinformatics Research Project A
Science

Credit points: 6 **Teacher/Coordinator:** Dr Jermiin **Session:** Semester 2 **Classes:** meetings by arrangement with the supervisor **Prerequisites:** Department permission required for enrolment **Corequisites:** BINF5003, BIOL5001, BIOL5002, MOBT5201 and STAT5001 **Assessment:** project plan, seminar, final report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: For Stream A and Stream B students

Associated degrees: Grad Dip App Sc (Bioinformatics).

BINF5002 comprises the commencement of a research project on a topic with significant emphasis on the use of bioinformatics tools to address important questions in the areas of biology, biochemistry, mathematics and statistics, computer science, crop and veterinary sciences, and medical science. Students will be working with an appointed supervisor from the Faculties of Agriculture, Science, Veterinary Science, and Medicine or from industry under the guidelines of the convenor. Students will commence a small research project in an area agreed by the student, the supervisor and the convenor. Research experience is highly valued by prospective employers as it shows a willingness and ability to undertake independent, as well as guided, research in bioinformatics. The project is not conducted in the way of contact hours per week for a semester. Rather, the student is expected to work in a continuous manner throughout the semester.

BINF5003
Bioinformatics Research Project B
Science

Credit points: 6 **Teacher/Coordinator:** Dr Jermiin **Session:** Semester 1, Semester 2 **Classes:** meetings by arrangement with the supervisor **Prerequisites:** Department permission required for enrolment. **Corequisites:** BINF5002, BIOL5001, BIOL5002, MOBT5201 and STAT5001 **Assessment:** seminar, final report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: For Stream A and Stream B students

Associated degrees: Grad Dip App Sc (Bioinformatics).

BINF5003 comprises the continuation of a research project commenced in BINF5002.

BIOL5001
Molecular Genetics and Inheritance
Science

Credit points: 6 **Teacher/Coordinator:** Dr Jenny Saleeba **Session:** Semester 1 **Classes:** 2-3 tutorials per week. **Prerequisites:** Department permission required for enrolment. **Assessment:** Formal exam, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: For Stream A students only (Information Technology background)

Associated degrees: Grad Cert App Sc (Bioinformatics), PG Coursework Exchange.

The fundamentals of inheritance and applications of molecular genetics will be covered. At the completion of the Unit, students will be able to recognise the most common modes of inheritance, understand the fundamentals of linkage analysis, be familiar with common genome structures, be familiar with modes of transmission and mechanisms of change in genetic material, be familiar with the genetic mechanisms behind complex biological systems, understand basic methods in recombinant DNA technology, be adept at applying genetics to solving problems in biology and understand the fundamentals of quantitative and population genetics.

BIOL5002
Bioinformatics: Sequences and Genomes
Science

Credit points: 6 **Teacher/Coordinator:** Dr Neville Firth **Session:** Semester 2 **Classes:** 1 lecture or tutorial per week, 1 three hour practical per fortnight. **Corequisites:** BIOL5001 **Prohibitions:** BIOL3027, BIOL3927 **Assessment:** Formal exam, projects. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 57Molecular Biotechnology students do not require BIOL5001.

Associated degrees: Grad Cert App Sc (Bioinformatics), PG Coursework Exchange.

Bioinformatics - the application of computers to life sciences, and genomics - the study of biology at the genome-wide scale, are revolutionising basic and applied biological sciences in the 21st century. The unit focuses on the application of bioinformatics to the storage, retrieval and analysis of biological information, principally in the form of nucleotide and amino acid sequences. An extensive practical component emphasises the development of hands-on skills in the use of bioinformatics technologies. Students will gain an appreciation of the significance and potential of bioinformatics and genomics in contemporary life sciences; an awareness of the breadth of bioinformatics resources and applications, including non-sequence-based biological information; skills and experience in the use of a core set of programs and databases for nucleotide and amino acid sequence analysis and phylogenetic reconstruction; a basic understanding of the theoretical foundation and underlying assumptions of the programs, and their relative strengths/limitations; and, competence in the evaluation of output from the programs in appropriate biological context.

BIOS5018
Health, Dysfunction and Ageing
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Dana Strain **Session:** Semester 1, Semester 2 **Classes:** WebCT **Assessment:** 1 essay on set case study online (100%) **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Dip Hlth Sc (Ed), M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlth Sc (Ed), M Hlth Sc (Geront), PG Coursework Exchange.

This unit aims to provide an understanding of the factors responsible for the increased prevalence, with age, of certain diseases and syndromes/disorders, especially those with a tendency to become disabling. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented or resulting to futher disability. The unit also provides an in-depth study of a specific aspect of individual student interest.

BIOS5041
Ageing, Biology and Health
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Peter Knight **Session:** Semester 2 **Classes:** Web-based. No on-campus attendance required. **Assessment:** 3 x 2000 word essays **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Beh Sc), Grad Cert Hlth Sc (Child&Adol Hlth), Grad Cert Hlth Sc (Education), Grad Cert Hlth Sci, Grad Dip Hlth Sc (Ed), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M D R, M Hlth Sc (Beh Sc), M Hlth Sc (Chld Adol Hlth), M Hlt.

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing. It has three modules: the normal process of ageing (which addresses the factors contributing to ageing, the effects of ageing on body systems, and the relationship between ageing and disease); the effects of hospitalisation and medications

on the aged; and preventive gerontology focussing on nutrition and exercise.

BIOS5047
Biological Sciences
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Laura Batmanian **Session:** Semester 1 **Classes:** On-campus and distance education mode. 3hrs lectures, 3hrs tutorials/wk **Assessment:** Written examination, assignment, group participation and case reports **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines the general principles and mechanisms of the pathology of diseases which may be encountered in the practice of general and specialty sonography. It also covers basic embryological development.

Textbooks
1. Larsen WJ, Essentials of Human Embryology (5th ed), Churchill Livingstone (1998)
2. Damjanov I, Pathology for the Health Professions (3rd ed), Elsevier Saunders (2006)

BIOS5050
Clin Oriented Musculoskeletal Anatomy
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr. Catherine Willis **Session:** Semester 1, Semester 2 **Classes:** On-campus lectures, tutorials & practical classes **Assessment:** Written exam and assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study meets the needs of students seeking a basic knowledge of the gross structure of the musculoskeletal system of the human body. The structures studies have been carefully selected to support the knowledge required by health practitioners and there is particular emphasis on the functional applications of the knowledge within the framework of clinical situations. A study of gross anatomy of upper limb and histological features of the musculoskeletal system or a study of gross anatomy of the lower limb and torso are currently available. The unit includes laboratory classes where tissues from of human cadavers are examined in detail. Attendance at such classes is required for this unit. Instructional methodology will include: lectures, practical classes, CD-ROM based learning support packages and online.

BIOS5055
Neurosciences for Physiotherapists
Medicine

Credit points: 3 **Teacher/Coordinator:** Dr John Burne **Session:** Semester 1 **Classes:** 3 hrs/week **Assumed knowledge:** Basic neuroscience equivalent to BIOS1137 Introductory Neuroscience **Assessment:** Mid semester written exam (20%), end of semester written exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

This unit provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Material will be presented in lectures, tutorials and online. Students will be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks
Lecture notes plus comprehensive reading list

BIOS5067
Sexual Health Placement and Supervision
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Unit coordinator: Brett McCann, BIOS coordinator: Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** 80 hours of supervised activities based on a learning contract negotiated between the student and supervisor in consultation with the unit coordinator **Assessment:** Assessment performance will be based on feedback from the placement supervisor and reflective reporting both to peers and the course co-ordinator. Students will be given a satisfactory/unsatisfactory grade. **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Students may enrol in the unit BIOS5085 Principles of Sexual Health Research (offered in semester 1) as an alternative core choice of study. This unit is appropriate for students interested in a research career in sexuality and sexual health.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange.

The aim of this unit is to provide the student with the opportunity to apply the competencies and skills learned in the other units in a practical field work situation. The student will have a choice of working in the research, education or counselling fields of sexual health. The University will assist the student to find a suitable professional placement and supervision. This will provide the opportunity for supervised training in sexual health. Students will gain practical experience while reflecting on personal and professional learning goals. Students will be able to take theoretical sexual health models (in counselling, research or education) and utilise them within a practical field setting. At the end of the unit, the student will display a standard of skill in sexual health (education, research or counselling) deemed acceptable practice and based on the theoretical framework of the profession. The placement will consist of approximately 60 hours of supervised activities based on a learning contract negotiated between the student and superviser in consultation with the unit coordinator. Assessment of performance in this unit of study will be based on feedback from the placement supervisor and reflective reporting both to peers and the course coordinator.

BIOS5069
Introduction to Sexual Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** Offered in off-campus online learning mode in semester 1 and semester 2. On-campus face to face mode in semester 2: 4hrs lecture, 4hrs moderated group discussions/wk **Assessment:** Consist of three group work tasks (5%, 20%, 20%), a quiz (20%), two assignments (10%, 25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange.

This unit is designed to provide the student with an overview of sexual health and sexology as a science and as a profession. Sex, sexuality and sexual health will be approached in a holistic manner in keeping with the definitions of the World Health Organisation (WHO) and the World Association of Sexology (WAS). The history of sexual health and sexology will be presented in a manner as to encourage critical evaluation of personal and professional ideas and choices. The unit will provide an understanding of the bio-psychosocial aspects of sexuality and health care in a manner such as to promote positive attitudes to sexuality and sexual health. Students will work in a multi professional, multicultural environment and be encouraged to develop an awareness of sexuality and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries. This unit will explore specific issues in sexology and sexual health such as: sexual function and dysfunction; sexually transmissible infections and HIV; ethical and legal issues in sexology; sexual rights and factors that affect these; sexuality in illness and disability; sexuality and aging; sexuality in pregnancy, infertility and contraceptive use. This unit will be offered in a distance mode, using the WebCT (internet based) delivery platform. Assessment will include online quizzes, case based small group work assignments and individual activity reports. Synchronous online discussions will be held at times convenient to the students. The on-campus delivery mode will replace online discussions and activities with small group tutorials, presentations and seminars. At the end of this introductory unit of study the students will: develop an

awareness of sexuality and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries; be sensitised to their personal values and attitudes in sexuality and sexual health and explore the range of differences in others; be aware of the issues related to the sexual rights of all individuals; have an overall understanding of the bio-psychosocial aspects of sexuality and sexual health care; be able to apply these principles in their professional situation; develop an understanding of sexology as a science and profession; understand the way in which sexology developed over the years and the ways in which community knowledge, attitudes, values and beliefs developed over time.

BIOS5070
Communication Skills in Sexual Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Brett McCann, BIOS coordinator: Dr Dariusz Skowronski **Session:** Semester 1, Semester 2 **Classes:** Offered in off-campus online learning mode in sem 1 and sem 2. On-campus face to face mode in sem 2: 4hrs lecture, 4hrs moderated group discussion/wk **Assessment:** Will include online quizzes, case based small group work assignments and an audiotaped interview with a reflective report. Synchronous online discussions will be held at times convenient to the students. **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange.

This introductory unit will provide the students with an overview of the models of sexual health counselling and professional ethics in a multicultural and global context. The students will explore ways of discussing and communicating with clients of varying socio-cultural groups on sexual health issues in the context of their own professional situation. The students will be sensitised to their attitudes and beliefs in the area of sexual and reproductive health, and consider the range of attitudes, beliefs and values in the context of the clients' religious and socio-cultural background. The students will also explore ways of discussing and communicating with clients on sexual health issues in the context of the clients' comfort and context and their own professional situation. At the end of the unit, the student will be able to: have an understanding of the terminology of sexual health and be aware of the effect perceptions of meaning affect professional communication patterns; identify their own values and biases and discuss the effect these may have on their provision of sexual health care to clients; demonstrate an understanding of the principles of taking a history taking and be able to apply the PLISSIT management model in the students' professional context; be able to describe briefly the theories of general counselling; understand the range of personal and community agenda individuals bring to sexuality and sexual health, and how these affect professional communication; describe changes in social definition and construction of sexuality over time and how these influence professional communication and practice; demonstrate an ability to perceive sexual health issues within local and global context. This unit will be offered in a distance mode, using the WebCT delivery platform. Assessment will include online quizzes, case based small group work assignments and an audiotaped interview with a reflective report. Synchronous online discussions will be held at times convenient to the students. The on-campus delivery mode will replace online discussions and activities with small group tutorials, presentations and seminars.

BIOS5071
Counselling in Sexual Health I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Dariusz Skowronski **Session:** Semester 1 **Classes:** Offered in off-campus, online learning mode **Assessment:** Assessment will include online quizzes, case based small group work assignments and individual activity reports. Synchronous online discussions will be held at times convenient to the students **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange.

This unit builds upon BIOS5057 Communication Skills in Sexual Health. Students may enrol concurrently in BIOS5057 and BIOS5060. The unit will explore the range of counselling approaches related to sexuality and sexual expression. Students will look at the philosophical approaches, scientific background and evidence base for the more popular counselling approaches. The students will explore the common patterns of presentations in sexual concerns and dysfunctions with special reference to cultural and socio-cultural influences. This unit will enable students to identify specific counselling models and understand the application of counselling models to the area of sexual health counselling, especially in the context of different cultural and socio-cultural backgrounds. Specific topics will include: the role of pattern recognition as part of the counselling process and the process of identifying common patterns underlying client presentations; an overview of common counselling models (including cognitive, behavioural, systems theory, solution focused and narrative) and their application to sexual health; an overview of non-formal and alternate methods of 'counselling' such as tantric sex and surrogacy; understanding the evidence base for counselling practice and assessing the effectiveness of counselling models; applying counselling models to different areas of sexual health; understanding the problems and issues in counselling such as cross-cultural and religious factors related to sexual expression. This unit will be offered in a distance mode, using WebCT (internet based).

BIOS5072
Counselling in Sexual Health II
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Dariusz Skowronski **Session:** Semester 2 **Classes:** Off-campus, online learning mode **Assessment:** Will include online quizzes, case based small group work assignments and individual activity reports. Synchronous online discussions will be held at times convenient to the students. **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), PG Coursework Exchange.

This unit builds upon the earlier units in the counselling stream, namely, BIOS5070 Communication Skills in Sexual Health and BIOS5071 Counselling Strategies in Sexual Health I. Successful completion of these is a prerequisite for enrolment in this unit. This unit will provide the student an in-depth knowledge of the common counselling models in sexual. These will include: the PLISSIT model and its application; the SNARCH model of counselling; cognitive behavioural therapy; systems model. A critical analysis of these models in terms of their applicability and outcome in varying sexual health situations and socio-cultural groups will be explored. Students will select one model that is most relevant to their personal and professional interest, and critically review the use and effectiveness in sexual health. They will then demonstrate their ability to apply this model in a hypothetical clinical situation, and defend the use of this method to the other members of the group. This unit will be offered in a distance mode, using WebCT (internet based).

BIOS5073
Functional Musculoskeletal Anatomy
Medicine

Credit points: 3 **Teacher/Coordinator:** Ms Jan Douglas-Morris **Session:** Semester 1 **Classes:** 3 hrs/week **Assumed knowledge:** Basic musculoskeletal anatomy (about 50 hours approximating BIOS1136 Functional Anatomy A and BIOS1139 Functional Anatomy B) **Assessment:** Intra-semester practical exam (40%), end of semester MCQ exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

Assuming a knowledge of basic functional musculoskeletal anatomy, this unit will cover an in depth exploration of the functional anatomy of the upper and lower limbs, trunk, pelvis, thorax and neck. Material will be presented in lectures, tutorials, laboratory classes and online. Students will be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS5074
Exploring Sexual Function & Dysfunction

Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** No on-campus attendance required. Offered in a distance mode, using the WebCT (internet based) delivery platform **Prohibitions:** BIOS5075 Managing Sexual Dysfunctions **Assessment:** Online quizzes, case based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit is appropriate for students who deal with sexual concerns as part of their professional practice. The 6 credit point unit BIOS5075 Managing Sexual Dysfunctions is more appropriate for those who are directly involved in the diagnosis and management of the condition. Students are advised that they should select EITHER this unit of study OR BIOS5075 Managing Function and Dysfunctions (6 credit points). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit will provide the student with an understanding of the biological and psycho-social factors that influence the sexual response in males and females and the changes that take place through the lifecycle. The students will explore the concept of normality of sexual function and behaviour and the range of sexual concerns and dysfunctions. The available management options for sexual dysfunctions both medical and other will be critically evaluated. At the end of the unit of study the student will be able to: critically discuss the concept of "normality" and the range of values and behaviours in a socio-cultural context; compare the models currently used to explain the adult sexual response in males and females; demonstrate an understanding of the common sexual concerns and dysfunctions; critically discuss the range of possible psychological, social and physical reasons for specific sexual dysfunctions, and place these in the context of clients' socio-cultural and religious background and beliefs; demonstrate an understanding of the treatment options available for the management of sexual concerns.

BIOS5075
Managing Sexual Dysfunctions
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** No on-campus attendance required. Offered in a distance mode, using the WebCT (internet based) delivery platform. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5074 Exploring Sexual Function & Dysfunction **Assessment:** Online quizzes, case based small group work assignments, individual activity reports and reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit is appropriate for student who are directly involved in the diagnosis and management of sexual dysfunctions. The 3 credit point unit BIOS5074 Exploring Sexual Function & Dysfunction is more appropriate for those who deal with sexual issues at a more general level in their professional practice. Students are advised that they should select EITHER this unit of study OR BIOS5074 Exploring Sexual Function & Dysfunction (3 credits). Students are advised to consult with the unit coordinator if they need assistance in this selection

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit will provide the student with an understanding of the biological and psycho-social factors that influence the sexual response in males and females and the changes that take place through the lifecycle. The students will explore the concept of normality of sexual function and behaviour and the psycho-social factors that determine them. The students will critically evaluate the currents models of the sexual response in males and females through the lifecycle and the range of sexual dysfunctions. The student will gain the competency to evaluate available management options from biological and psycho-social perspectives and select those appropriate for specific clients. At the end of the unit, the student will be able to: critically discuss the concept of "normality" and the range of values and behaviours in a socio-cultural context, demonstrating the ability to explore this from their personal context; discuss and critically evaluate the models used to explain the adult sexual response in males and females, based on current research; critique current classifications of sexual dysfunction and demonstrate the ability to evaluate common sexual concerns and dysfunctions based on current evidence and research; critically discuss the range of possible psychological, social and physical reasons for specific sexual dysfunctions, and place these in the context of clients' socio-cultural and religious background and beliefs; list and critically evaluate the management options available for the management of sexual concerns, as well as reflect on how these impact on their own professional practice.

BIOS5076
Understanding Reproductive Health
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown, BIOS coordinator: Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Distance education - no on-campus attendance required, using the WebCT (internet based) delivery platform **Prohibitions:** BIOS5077 Advanced Reproductive Health **Assessment:** Online quizzes, case based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who deal with reproductive issues in the context of sexual health as part of the professional practice. Those who are directly involved in the diagnosis and management of sexual and reproductive issues would be advised to enrol in BIOS5077 Advanced Reproductive Health. Students are advised that they should select EITHER BIOS5076 Understanding Reproductive Health (3 cr pts) OR BIOS5077 Advanced Reproductive Health (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

Students will explore common issues that arise in reproductive health from adolescence to old age, including the biological and psychological aspects of pregnancy, infertility and termination of pregnancy as they relate to sexuality and sexual health. This unit will provide the student with the skills to understand the underlying issues and management principles in clients who present with reproductive concerns related to sexual health. At the conclusion of this module, students will be able to: list and discuss the availability of the resources available to assist clients with reproductive health issues particularly related to sexual health from adolescence to old age; demonstrate an understanding of the options available for clients seeking contraceptive advice with special reference to their own cultural and socio-religious background; discuss the options available for clients presenting with an unplanned pregnancy and the problems with access in specific client situations; discuss the issues regarding sexuality that may arise during and after pregnancy; critically assess the issues of the intimacy and relationship issues that may arise for a couple with sub-fertility.

BIOS5077
Advanced Reproductive Health
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown, BIOS coordinator: Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Distance education - no on-campus attendance required, using the WebCT (internet based) delivery platform. Synchronous on-line discussions will be held at times convenient to the students **Prohibitions:** BIOS5076 Understanding Reproductive Health **Assessment:** Online quizzes, case based small group work assignments, individual activity report as well as reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues. Those who deal with reproductive issues in the context of sexual health as part of the professional practice would be advised to enrol in BIOS5076 Understanding Reproductive Health. Students are advised that they should select EITHER BIOS5076 Understanding Reproductive Health (3 cr pts) OR BIOS5077 Advanced Reproductive Health (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

The students will explore current information on common issues that arise in reproductive health from adolescence to old age including the biological and psychological aspects of pregnancy, infertility, termination of pregnancy and genetic counselling as they relate to sexuality and sexual health. This unit will provide the student with the skills to detect and manage issues in clients who present with reproductive concerns related to sexual health. They will have the opportunity to critically review and evaluate the current state of reproductive health in specific areas of personal and professional interest to the student. At the conclusion of this module students will

be able to: critically evaluate the resources available to assist clients with reproductive health issues particularly related to sexual health from adolescence to old age; explore the options available for clients seeking contraceptive advice with special reference to their own cultural and socio-religious background; discuss the options available for clients presenting with an unplanned pregnancy and the problems with access in specific client situations; discuss the issues regarding sexuality that may arise during and after pregnancy; critically review the current literature on the intimacy and relationship issues that may arise for a couple with sub-fertility; demonstrate the ability to critically evaluate the evidence and research base to specific reproductive issues such as reproduction in older ages and genetic counselling.

BIOS5078
Basics of Sexuality in Ageing
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Lesley Yee, BIOS coordinator: Dr Peter Knight **Session:** Semester 2 **Classes:** Distance education delivery - no on-campus attendance required, using the WebCT (internet based) delivery platform **Prohibitions:** BIOS5079 Advanced Sexuality and Ageing **Assessment:** Online quizzes, case based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who deal with older adults as part of the professional practice. Those who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults would be advised to enrol in BIOS5079 Advanced Sexuality and Ageing. Students are advised that they should select either BIOS5078 Basics of Sexuality in Ageing (3 cr pts) or BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

Students will explore the sexual and reproductive changes that take place in older adults and the social, psychological and emotional consequences of these changes. The students will be provided with an overview of the range of sexual concerns and dysfunctions in older adults and available management options. They will have the opportunity to explore their own attitudes towards these issues and consider the situation in nursing homes and aged care facilities. At the end of this unit of study the student will be able to: demonstrate an understanding of ageing in Australian society, and discuss the implications in terms of health; discuss the ways in which the biological changes of ageing impact on sexuality and sexual health; evaluate how the psycho-social and life changes of older age impact on sexuality and sexual health; demonstrate an ability to manage practical issues of sexual dysfunction related to ageing; discuss the effects of specific diseases on the aged and their partners; investigate the ways in which nursing homes and aged care facilities manage issues of sexuality and sexual health.

BIOS5079
Advanced Sexuality and Ageing
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Unit coordinator: Dr Lesley Yee, BIOS coordinator: Dr Peter Knight **Session:** Semester 2 **Classes:** Distance education delivery - no on-campus attendance required, using the WebCT (internet based) delivery platform. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5078 Basics of Sexuality in Ageing **Assessment:** Online quizzes, case based small group work assignments and individual activity reports as well as reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who are directly involved in the diagnosis and management of sexual and reproductive issues in older adults. Those who deal with older adults as part of the professional practice would be advised to enroll in BIOS5078 Basics of Sexuality and Ageing. Students are advised that they should select EITHER BIOS5078 Basics of Sexuality in Ageing (3 cr pts) OR BIOS5079 Advanced Sexuality and Ageing (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

Students will explore and critically assess the literature on the sexual and reproductive changes that take place in older adults and the social, psychological and emotional consequences of these changes. Students will evaluate the research on sexual health concerns and dysfunctions in older adults and available management options. They will also be sensitized to the issues of sexual dysfunction and sexually transmissible diseases in the elderly, and the consequences of these on partners and carers. They will have the opportunity to explore their own attitudes towards these issues and explore the situation in nursing homes and aged care facilities. Students will be encouraged to explore these in depth in specific topic areas, as relevant to their professional role. At the end of this unit, the student will be able to: demonstrate an understanding of ageing in Australian society, and discuss the implications in terms of health; critically review the literature on the impact of biological changes of ageing on sexuality and sexual health, in a social and cultural context; explore personal values and attitudes to ageing and sexual health and place this in a cultural and socio-religious frame, such as to understand how the psycho-social and life changes of older age impact on sexuality and sexual health; demonstrate the competence to detect and manage practical issues of sexual dysfunction related to ageing; discuss the effects of specific diseases on the aged and their partners; demonstrate an understanding of the issues of sexuality and intimacy in older adults in the context of nursing home and aged care facilities and their implications to professionals working in the field at all levels (e.g. administrators, carers, policy makers); discuss issues related to STIs in the aged population.

BIOS5080
Law and Ethics in Sexual Health
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown, BIOS coordinator: Dr Peter Knight **Session:** Semester 1 **Classes:** External/distance mode: WebCT. No on-campus attendance required **Assessment:** On-line asynchronous discussions and group work activities, as well as individual activity reports. **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit aims to develop the student's understanding of legal and ethical issues relating to sexual health care. The major content of the unit will be based on the Australian legal system and laws applicable to sexuality and sexual health. Students will, however, be given the opportunity to examine other legal systems and laws and to engage in comparative dialogue. At the completion of the unit, the student will be able to: critically report on public health law and laws applicable to age of consent, sexual assault and anti-discrimination as relevant to sexuality and sexual health, as well as laws related to abortion. While these will be couched in an Australian context, the student will be encouraged to explore all issues in an international and global perspective; report on the Australian judicial system and compare this with that from different regions, countries and cultures. Particular emphasis will be placed on ethical considerations in dealing with sexuality and sexual health of clients, including confidentiality, research with clients and sexual relationships in the professional client relationship.

BIOS5081
Sexual Assault
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Unit coordinator: Dr Katherine Brown, BIOS coordinator: Dr Dariusz Skowronski **Session:** Semester 1 **Classes:** External/distance mode: WebCT. No on-campus attendance required **Assessment:** Online asynchronous discussions and group work activities, as well as individual activity reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit of study aims to provide students with an understanding of the detection and management of sexual assault and the short and long term consequences to the individual, family and community. At the completion of the unit of study, the student will be able to: critically evaluate the principles of clinical management of a client following a recent sexual assault; demonstrate an understanding of the principles

of sexual assault counselling; be sensitive to the potential long term effects of sexual assault on victims; discuss critically the factors associated with sexual offending including such issues as child sexual assault and male assault; discuss the medico-legal issues associated with the management of an alleged sexual assault. Students will be encouraged to explore these issues in the context of their own community and professional background.

BIOS5082
Understanding Gender and Sexuality
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** Distance education - no on-campus attendance required, using the WebCT delivery platform **Prohibitions:** BIOS5083 **Assessment:** Online quizzes, case based small group work assignments and an individual reflective report **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who deal with gender issues in the context of sexual health as part of the professional practice. Those who are directly involved in the diagnosis and management of gender identity and intersex issues would be advised to enrol in BIOS5083 Sex, Gender and Sexuality. Students are advised that they should select EITHER BIOS5082 Understanding Gender and Sexuality (3 cr pts) OR BIOS5083 Sex, Gender and Sexuality (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit will provide the student with an understanding of the biological basis of sexual development from fetus to adulthood and the socio-cultural factors that determine their expression. The students will be sensitised to the terminology of gender discourse and explore the range of gender and sexual differences and practices in the community. At the end of this unit, the student will be able to: discuss the terminology used in gender discourse; describe the biology of sexual development from fetus to adolescence and an understanding of the factors that influence the process; critically discuss syndromes of atypical sexual development and intersex and demonstrate an understanding the medical and ethical concerns in the management; demonstrate an understanding of the variations of sexual orientation and the factors that affect the expression in the community; assess the current literature on issues of gender identity (transgender and transsexual) and social and cultural factors in their expression in a community.

BIOS5083
Sex, Gender and Sexuality
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon, consultant: Prof Milton Diamond **Session:** Semester 2 **Classes:** Distance education - no on-campus attendance required,using the WebCT (internet based) delivery platform. Synchronous online discussions will be held at times convenient to the students **Prohibitions:** BIOS5082 **Assessment:** Online quizzes, case based small group work assignments, individual activity report as well as reflective reports on professional practice **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit would be appropriate for students who are directly involved in the diagnosis and management of gender identity and intersex issues. Those who only deal with gender issues in the context of sexual health as part of the professional practice would be advised to enrol in BIOS5082 Understanding Gender and Sexuality. Students are advised that they should select EITHER BIOS5082 Understanding Gender and Sexuality (3 cr pts) OR BIOS5083 Sex, Gender and Sexuality (6 cr pts). Students are advised to consult with the unit coordinator if they need assistance in this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit will provide the student with an understanding of the biological basis of sexual development from fetus to adulthood and the socio-cultural factors that determine their expression. The students will be sensitized to the terminology of gender discourse and investigate the range of gender and sexual differences and practices in the community. Students will explore the range of sex and gender issues in the context of current research and evidence base, and reflect on the implications to their professional practice. At the end of this unit, the student will be able to: discuss the terminology used in gender discourse; critically review the literature on the biology of sexual development from fetus to adolescence and an understanding of the factors that influence the process; evaluate the current evidence on syndromes of atypical sexual development and intersex and demonstrate an understanding the medical and ethical concerns in the management; demonstrate an understanding of the variations of sexual orientation and the factors that affect the expression in the community and discuss the current 'nature vs nurture' issues in the genesis and management of sexual orientation; assess the current literature on issues of gender identity (transgender and transsexual) and social and cultural factors in their expression in a community; demonstrate an understanding of the social and psychological factors that influence the expression of gender roles in the community; critically evaluate the current research base and evidence on sex and gender and apply this to their own personal and professional environment.

BIOS5084
Sexual Attitude Reassessment
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** Offered in a blended e-learning mode and supported by a WebCT site. Students will be expected to attend a 2 day compulsory workshop. **Assessment:** Completion of online activities including value clarification quizzes and small group discussions, participation in the workshop and submission of reflective reports **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

The aim of this unit is to provide students with the opportunity to assess their own sexual knowledge, attitudes, beliefs, and value systems to sexuality and sexual health. The students will explore their own biases be sensitized to the attitudes and values of others. This will provide an attitudinal basis for students to deal with clients whose attitudes and values differ from their own. This unit will be offered as a non-award unit of study to persons wishing to apply for accreditation with the Australian Society of Sexuality Educators Researchers and Therapists (ASSERT). A certificate of completion will be awarded to those enrolled in the unit as non-award students. At the end of this unit, the participant will be able to: critically discuss the main attitudinal biases and issues faced by a person through the life cycle; reflect on and discuss their own attitudes and values on a range of the above issues; critically assess the range of biases, attitudes and values that exist in people and understand how these attitudes and values affect professional and personal interactions; demonstrate the skills to deal with clients in a non-judgmental and professional manner.

BIOS5085
Principles of Sexual Health Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** No on-campus attendance required **Assessment:** The student will produce a research proposal with a reflective report of the process of development and the feasibility of conducting the project. Assessment will be based on the quality of the proposal and participation in the activities set in the WebCT site. **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Students enrolled in the Masters program should note that this unit of study could be taken as an alternative to the core unit BIOS5067 Sexual Health Placement and Supervision. This unit of study is appropriate for students interested in a research career in sexuality and sexual health.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit will provide the student with an opportunity to critically review a specific area in sexual health and identify a specific area for research. The student will then develop a research plan and ethics application as well as assess the feasibility of accomplishing the research. The unit will be directly supervised by an academic in the program and supported by a WebCT site. Students will work individually with their supervisor. At the completion of the unit, the student will be able to: explore and critically evaluated the current state of research and evidence base in a specific area of sexual health; review the ethical issues of research in sexual health and write an ethics proposal; identify an area of research, develop a research plan and assess the feasibility of conducting the research.

BIOS5086
Sexual Health Research Project
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 2 **Classes:** Online in WebCT format. Students will be required to attend a 2 day on-campus session at the end of semester 2 **Prerequisites:** BIOS5085 Principles of Sexual Health Research **Assessment:** The student will produce a major report in the format of a journal article at the end of this unit of study. They will also present the results of their research at a research symposium. Assessment will be based on the quality of the report and presentation. **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: This unit is appropriate for students interested in a research career in sexuality and sexual health

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

The aim of this unit is to provide the opportunity to implement the research project planned in BIOS5085 Principles of Sexual Health Research and present the outcome at a student conference as well as in the form of a major report in the format of a journal article. This unit will be directly supervised by an academic in the program and supported by a WebCT site. Students will be encouraged to participate in online discussions with students enrolled in research Masters and PhD degrees in the graduate program in sexual health. At the completion of the unit, the student will be able to: conduct a research project in a selected area of sexual health; analyse and discuss the results and write up the project as a journal article; present research results at a research symposium.

BIOS5087
Sexual Counselling Practicum
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Dariusz Skowronski **Session:** Semester 2 **Classes:** Intensive face-to-face training, comprising lectures/demonstrations, small group discussion, role-plays and feedbacks. There will also be an online component. **Assessment:** Assessment will include reflective report on scenarios, role play and peer review and group discussions based on case studies. Students will be graded as satisfactory and unsatisfactory. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit will provide practical instruction in the application of specific counselling approaches in sexual health. Students will explore the issues of providing counselling in a variety of situations, including: clients of different ages and gender; clients from cultures different to their own; a variety of sexual concerns and problems. The students will also be sensitized to specific issues in sexual health counselling communications, and learn to deal with these effectively in their practice. This would include dealing with: situations where the client misunderstands the question and/or motives of the counsellor; situations where the client's personal characteristics, background and motivation for counselling influence the communication process; situations where the counsellor's personal characteristics, background and previous professional experience may influence the effectiveness of the counselling process; inappropriate client sexual behaviour. At the end of this unit, the student will be able to demonstrate the ability to: take a sexual history; conceptualise a client's presenting issues; design basic counselling interventions applied to sexual health; identify counselling outcomes; provide general counselling to individuals presenting with sexual health difficulties; deal with clients from a variety of backgrounds, socio-cultural backgrounds with a variety of sexual health concerns.

BIOS5088
Sexuality in Illness and Disability
Health Sciences

Credit points: 6 **Teacher/Coordinator:** John Brown, Dr Patricia Weerakoon **Session:** Semester 1 **Classes:** Distance education mode, using the WebCT (internet based) delivery platform. Synchronous online discussions will be held at times convenient to the students. No on-campus attendance required **Assessment:** Assessment will include online quizzes, case based small group work assignments and individual activity reports **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

The unit will provide the students with an overview of the models of disability. The students will be sensitized to the sexual health needs of those with physical disability and intellectual disability and sexual concerns following disease and surgery. The unit is an introductory unit to the topic. The students will explore the range of counselling options and support structures available in the area of sexual and reproductive health to disabled people. The students will do this in the context of their own professional situation. At the end of the unit of study the student will be able to: discuss the models of disability (medical, social, psychological, psycho-social) from the point of view of the factors that influence individual's reaction to and adjustment to disability and the communities reactions; demonstrate an understanding of the sexual concerns at individual, community and health care levels in people with intellectual disability, development disability and mental illness; demonstrate an understanding of the sexual concerns at individual, community and health care levels in people with a physical disability of various causations such as spinal cord injury and brain injury; discuss the individual and health care consequences of the sexual concerns that are likely in people with illnesses (eg, heart attacks, COPD, cancer), surgery (eg, prostatectomy, stoma therapy) and on therapeutic medication; demonstrate an ability to identify and manage as appropriate the sexual concerns in illness and in people with disability.

BIOS5089
Advanced Musculoskeletal Anatomy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Karen Ginn, Dr Catherine Willis, Ms Jan Douglas-Morris **Session:** Semester 1 **Classes:** 4 hrs lecture discussion/practical 2nd weekly **Prerequisites:** Successful completion of undergraduate unit(s) covering detailed musculoskeletal anatomy of the limbs and trunk. **Assessment:** 1x2hr written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Manip Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty).

This unit will extend undergraduate knowledge of the functional Anatomy of the neuro-musculo-skeletal system by using recent research evidence to evaluate the validity of clinical assessment procedures, interpretation of assessment findings and treatment approaches in neuro-musculo-skeletal disorders. It will explore possible additional treatment techniques consistent with an approach to rehabilitation that is valid with respect to functional Anatomy while appreciating the limitations of current functional Anatomy knowledge in evaluating the assessment and treatment of the neuro-musculo-skeletal system. In the study of advanced musculoskeletal anatomy this unit will use current relevant research literature to extend students' critical evaluation and life-long learning skills.

BSTA5001
Mathematics Background for Biostatistics
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Keith Dear, Australian National University (semester 1), Associate Professor Julian Leslie, Macquarie University (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Assessment:** 3xassignments (20%, 40% and 40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to provide students with the mathematics required for studying biostatistics at a more rigorous level. On completion of this unit students should be able to follow the mathematical demonstrations and proofs used in biostatistics at Masters degree level, and to understand the mathematics behind statistical methods introduced at that level. The intention is to allow students to concentrate on statistical concepts in subsequent units, and not be distracted by the mathematics employed. Content: basic

algebra and analysis; exponential functions; calculus; series, limits, approximations and expansions; matrices and numerical methods.

Textbooks

Anton H, Bivens I, Davis S. Calculus: early transcendentals version, 8th edition. Wiley, 2005

BSTA5002
Principles of Statistical Inference
Medicine

Credit points: 6 **Teacher/Coordinator:** Ms Adrienne Kirby, University of Sydney **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5023 **Assessment:** 2xwritten assignments (2x35%) and practical exercises (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to provide a strong mathematical and conceptual foundation in the methods of statistical inference, with an emphasis on practical aspects of the interpretation and communication of statistically based conclusions in health research. Content covered includes: review of the key concepts of estimation and construction of Normal-theory confidence intervals; frequentist theory of estimation including hypothesis tests; methods of inference based on likelihood theory, including use of Fisher and observed information and likelihood ratio; Wald and score tests; an introduction to the Bayesian approach to inference; an introduction to distribution-free statistical methods.

Textbooks

Notes supplied. Recommended reference books (not compulsory): Azzalini A. Statistical Inference Based on the Likelihood. Chapman and Hall, London 1996. Clayton D, Hills M. Statistical Models in Epidemiology. Oxford University Press, Oxford, 1993.

BSTA5003
Health Indicators and Health Surveys
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Kevin McGeechan, University of Sydney **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Corequisites:** BSTA5001 **Assessment:** 4xwritten assignments (2x20%, 2x26%), online discussion and participation (8%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat.

On completion of this unit students should be able to derive and compare population measures of mortality, illness, fertility and survival, be aware of the main sources of routinely collected health data and their advantages and disadvantages, and be able to collect primary data by a well-designed survey and analyse and interpret it appropriately. Content covered in this unit includes: Routinely collected health-related data; quantitative methods in demography, including standardisation and life tables; health differentials; design and analysis of population health surveys including the roles of stratification, clustering and weighting.

Textbooks

Scheaffer RL, Mendenhall W, Ott RL. Elementary Survey Sampling. 6th edition. Wadsworth 2006. Notes supplied

BSTA5004
Data Management & Statistical Computing
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Cate D'Este, University of Newcastle **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Assessment:** 3xwritten assignments (15%, 15%, 30%), 1x at-home examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to introduce students to essential concepts and tools required for the management and analysis of data using modern statistical software. Data management principles and concepts are developed using relational database software (Microsoft Access). Data manipulation, descriptive analysis and interpretation are introduced using SAS and Stata statistical software. Students will also acquire skills in data display, summary presentation and pattern recognition using these tools.

Textbooks

Cody R, Smith J. Applied Statistics & the SAS Programming Language. 5th edition. Prentice Hall 2005. Hills M & De Stavola B. A Short Introduction to Stata for Biostatistics. Timberlake 2003. Order online at www.survey-design.com.au

BSTA5005
Clinical Biostatistics
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Adrian Barnett, University of Queensland **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5001 and (BSTA5011 or PUBH5010) **Corequisites:** BSTA5002 **Assessment:** 4xwritten assignments (2x20% and 2x25%) and online discussions (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to enable students to use correctly statistical methods of particular relevance to evidence-based health care and to advise clinicians on the application of these methods and interpretation of the results. This unit will look at: Clinical agreement: Bland-Altman method, kappa statistics, intraclass correlation; diagnostic tests: sensitivity, specificity, predictive value, ROC curves, likelihood ratios; statistical process control: special and common causes of variation, Shewhart CUSUM and EWMA charts; systematic reviews: process estimating treatment effect, assessing heterogeneity, publication bias.

Textbooks

Notes supplied

BSTA5006
Design of Experiments and RCTs
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Philip Ryan, University of Adelaide **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5001 and (BSTA5011 or PUBH5010) **Assessment:** 3xwritten assignments (30%, 30%, 40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to enable students to understand and apply the principles of design and analysis of experiments, with a particular focus on randomised controlled trials (RCTs), to a level where they are able to contribute effectively as a statistician to the planning, conduct and reporting of a standard RCT. This unit covers: Principles and methods of randomisation in controlled trials; treatment allocation, blocking, stratification and allocation concealment; parallel, factorial and crossover designs including n-of-1 studies; practical issues in sample size determination; intention-to-treat principle; phase I dose-finding studies; phase II safety and efficacy studies; interim analyses and early stopping; multiple outcomes/endpoints, multiple tests and subgroup analyses, including adjustment of significance levels and P-values; reporting trial results and use of the CONSORT statement.

Textbooks

Piantadosi S. Clinical Trials: a Methodological Perspective, 2nd edition. Wiley 2005. Notes supplied

BSTA5007
Linear Models
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor John Carlin, University of Melbourne, Associate Professor Andrew Forbes, Monash University **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5002 and (BSTA5011 or PUBH5010) **Assessment:** 2xwritten assignments (2x40%), submitted exercises (16%), online discussions (4%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to enable students to apply methods based on linear models to biostatistical data analysis, with proper attention to underlying assumptions and a major emphasis on the practical interpretation and communication of results. This unit will cover: the method of least squares; regression models and related statistical inference; flexible nonparametric regression; analysis of covariance to adjust for confounding; multiple regression with matrix algebra; model construction and interpretation (use of dummy variables,

parametrisation, interaction and transformations); model checking and diagnostics; regression to the mean; handling of baseline values; the analysis of variance; variance components and random effects.

Textbooks
Recommended: Kutner MH, Nachtsheim CJ, Neter J, Li W. Applied Linear Statistical Models. 5th edition. McGraw-Hill/Irwin 2005. Notes supplied.

BSTA5008
Categorical Data and GLMs
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Mark Jones, University of Queensland **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Corequisites:** BSTA5007 **Assessment:** submitted exercises (54%), 2xwritten assignments (2x20%), online discussions (6%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to enable students to use generalised linear models (GLMs) and other methods to analyse categorical data, with proper attention to underlying assumptions. There is an emphasis on the practical interpretation and communication of results to colleagues and clients who might not be statisticians. This unit covers: Introduction to and revision of conventional methods for contingency tables especially in epidemiology; odds ratios and relative risks, chi-squared tests for independence, Mantel-Haenszel methods for stratified tables, and methods for paired data. The exponential family of distributions; generalised linear models (GLMs), and parameter estimation for GLMs. Inference for GLMs - including the use of score, Wald and deviance statistics for confidence intervals and hypothesis tests, and residuals. Binary variables and logistic regression models - including methods for assessing model adequacy. Nominal and ordinal logistic regression for categorical response variables with more than two categories. Count data, Poisson regression and log-linear models.

Textbooks
Notes supplied

BSTA5009
Survival Analysis
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Petra Graham, Macquarie University **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5007 **Assessment:** 3xwritten assignments (3x22.5%), 1xexamination (22.5%), online participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

The aim of this unit is to enable students to analyse data from studies in which individuals are followed up until a particular event occurs, e.g. death, cure, relapse, making use of follow-up data also for those who do not experience the event, with proper attention to underlying assumptions and a major emphasis on the practical interpretation and communication of results. The content covered in this unit includes: Kaplan-Meier life tables; logrank test to compare two or more groups; Cox's proportional hazards regression model; checking the proportional hazards assumption; time-dependent covariates; multiple or recurrent events; sample size calculations for survival studies.

Textbooks
Hosmer DW, Lemeshow S. Applied Survival Analysis. Wiley Interscience 1999. Recommended: Cleves M, Gould W, Gutierrez R. An Introduction to Survival Analysis Using Stata, 2004. Stata Press - http://survey-design.com.au/ Notes supplied.

BSTA5011
Epidemiology for Biostatisticians
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Page, University of Queensland **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prohibitions:** PUBH5010 **Assessment:** 3xwritten assignments (20%, 25%, 35%) and exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

On completion of this unit students should be familiar with the major concepts and tools of epidemiology, the study of health in populations, and should be able to judge the quality of evidence in health-related research literature.

This unit covers: historical developments in epidemiology; sources of data on mortality and morbidity; disease rates and standardisation; prevalence and incidence; life expectancy; linking exposure and disease (eg. relative risk, attributable risk); main types of study designs - case series, ecological studies, cross-sectional surveys, case-control studies, cohort or follow-up studies, randomised controlled trials; sources of error (chance, bias, confounding); association and causality; evaluating published papers; epidemics and epidemic investigation; surveillance; prevention; screening; the role of epidemiology in health services research and policy.

Textbooks
Notes supplied

BSTA5012
Longitudinal and Correlated Data
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Andrew Forbes, Monash University, Professor John Carlin, University of Melbourne **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5008 **Assessment:** practical exercises and online discussions (20%) and 2xwritten assignments (40% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat.

This unit aims to enable students to apply appropriate methods to the analysis of data arising from longitudinal (repeated measures) epidemiological or clinical studies, and from studies with other forms of clustering (cluster sample surveys, cluster randomised trials, family studies) that will produce non-exchangeable outcomes. Content covered in this unit includes: Paired data; the effect of non-independence on comparisons within and between clusters of observations; methods for continuous outcomes; normal mixed effects (hierarchical or multilevel) models and generalised estimating equations (GEE); role and limitations of repeated measures ANOVA; methods for discrete data; GEE and generalised linear mixed models (GLMM); methods for count data.

Textbooks
Notes supplied.

BSTA5013
Bioinformatics and Statistical Genetics
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Graham Wood, Macquarie University **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5008 **Assessment:** Assignments 100% (5 written assignments worth 20% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat.

Aim: To provide an introduction to the fields of bioinformatics and genetic epidemiology from a statistical point of view. This will include an understanding of the basic concepts of molecular biology and pertinent areas of bioinformatics. The primary goal will be to achieve an understanding of genetics as a mathematical and statistical discipline. On completion students should have a basic understanding of modern genetics and be able to apply appropriate statistical methods to the analysis of genetic data from both family and population-based studies of human subjects. Content: begins with a brief review of elementary molecular biology: DNA, RNA, the "central dogma", meiosis, mitosis and genes. Some fundamental mathematical tools for statistical analysis are also reviewed. The unit then covers some bioinformatics relevant to gene discovery: sequence alignment and database searching, concentrating on the statistics used to guard against false discovery. The core of the unit is concerned with statistical genetics. This includes Mendelian genetics, models of recombination and techniques for discovering connections between genes and disease; variance components and twin studies, association and linkage analysis.

BSTA5014
Bayesian Statistical Methods

Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Lyle Gurrin, University of Melbourne **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5008 **Assessment:** Assignments 100% (2xmajor assignments worth 30% each, 4xminor assignments worth 10% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat.

The aim of this unit is to achieve an understanding of the logic of Bayesian statistical inference, i.e. the use of probability models to quantify uncertainty in statistical conclusions, and acquire skills to perform practical Bayesian analysis relating to health research problems. This unit covers: simple one-parameter models with conjugate prior distributions; standard models containing two or more parameters, including specifics for the normal location-scale model; the role of non-informative prior distributions; the relationship between Bayesian methods and standard "classical" approaches to statistics, especially those based on likelihood methods; computational techniques for use in Bayesian analysis, especially the use of simulation from posterior distributions, with emphasis on the WinBUGS package as a practical tool; application of Bayesian methods for fitting hierarchical models to complex data structures.

Textbooks

Gelman A, Carlin JB, Stern HS, Rubin DB. Bayesian Data Analysis, 2nd ed. Chapman and Hall, 2003

BSTA5015
Advanced Clinical Trials
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Val Gebski, University of Sydney **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, Distance learning **Prerequisites:** BSTA5006, BSTA5007 **Assessment:** 3xwritten assignments (25%, 25% and 10%) and 1x at-home examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat.

This elective unit extends and enhances the concepts developed in BSTA5006 Design of Experiments and RCTs. On completion, students have the knowledge and skills required at an advanced professional level to design and analyse clinical trials, including cross-over designs and equivalence trials, and to identify and implement statistical methods for trial monitoring and reporting, with appropriate knowledge of regulatory requirements. This unit covers: methods in RCTs for determining: stopping rules for interim analyses (O'Brien-Fleming, Peto), spending functions, stochastic curtailment; statistical principles encountered in relation to aspects of regulatory guidelines (ICH, FDA, EMEA), and related to reports prepared for data safety and monitoring committees (DSMC); design and analysis of cross-over trials (period effects, interactions); equivalence and non-inferiority trials; problems of defining and using surrogate endpoints as alternatives to direct clinical outcomes.

Textbooks

Senn S. Cross-over trials in clinical research, 2nd edition 2002, Wiley. Recommended: Jennison C, Turnbull BW. Group sequential methods with applications to clinical trials 2000, Chapman & Hall. Notes supplied.

BSTA5020
Workplace Project Portfolio Part A
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Judy Simpson, University of Sydney **Session:** Semester 1, Semester 2 **Classes:** Supervision by an experienced biostatistician **Prerequisites:** 24 credit points including BSTA5004 and (BSTA5011 or PUBH5010) **Corequisites:** BSTA5021 **Prohibitions:** BSTA5022 **Assessment:** There is no assessment for Part A. For Part B, the portfolio will be examined by two examiners, at least one of whom will be internal to the University of Sydney. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Biostat.

The aim of this unit is to give master's students practical experience, usually in workplace settings, in the application of knowledge and skills learnt during the coursework of the master's program. Students will provide evidence of having met this goal by presenting a portfolio made up of a preface and two project reports. The projects should not all be of the same type and must involve the use of different statistical methods and concepts. At least one project should involve complex multivariable analysis of data. Students should enrol in both Workplace Project Portfolio A and Workplace Project Portfolio Part B, either in semesters 1 and 2 respectively, or both in the same semester.

Textbooks

There are no essential readings for this unit.

BSTA5021
Workplace Project Portfolio Part B
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Judy Simpson, University of Sydney **Session:** Semester 1, Semester 2 **Classes:** Supervision by an experienced biostatistician **Prerequisites:** 24 credit points including BSTA5004 and (BSTA5011 or PUBH5010) **Corequisites:** BSTA5020 **Prohibitions:** BSTA5022 **Assessment:** There is no assessment for Part A. For Part B, the portfolio will be examined by two examiners, at least one of whom will be internal to the University of Sydney. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Biostat.

The aim of this unit is to give master's students practical experience, usually in workplace settings, in the application of knowledge and skills learnt during the coursework of the master's program. Students will provide evidence of having met this goal by presenting a portfolio made up of a preface and two project reports. The projects should not all be of the same type and must involve the use of different statistical methods and concepts. At least one project should involve complex multivariable analysis of data. Students should enrol in both Workplace Project Portfolio A and Workplace Project Portfolio Part B, either in semesters 1 and 2 respectively, or both in the same semester.

Textbooks

There are no essential readings for this unit.

BSTA5022
Workplace Project Portfolio Part C
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Judy Simpson, University of Sydney **Session:** Semester 1, Semester 2 **Classes:** supervision by an experienced biostatistician **Prerequisites:** 24 credit points including BSTA5004 and (BSTA5011 or PUBH5010) **Prohibitions:** BSTA5020, BSTA5021 **Assessment:** the portfolio will be examined by two examiners, at least one of whom will be internal to the University of Sydney **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Biostat.

The aim of this unit is to give master's students practical experience, usually in workplace settings, in the application of knowledge and skills learnt during the coursework of the master's program. Students will provide evidence of having met this goal by presenting a portfolio made up of a preface and one project report. The project must involve complex multivariable analysis of data.

BSTA5023
Probability and Distribution Theory
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Rory Wolfe, Monash University **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5001 **Assessment:** practical exercises (20%) and 2xwritten assignments (40% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, M Biostat.

This unit begins with the study of probability, random variables, discrete and continuous distributions, and the use of calculus to obtain expressions for parameters of these distributions such as the mean and variance. Joint distributions for multiple random variables are introduced together with the important concepts of independence, correlation and covariance, marginal and conditional distributions. Techniques for determining distributions of transformations of random

variables are discussed. The concept of the sampling distribution and standard error of an estimator of a parameter is presented, together with key properties of estimators. Large sample results concerning the properties of estimators are presented with emphasis on the central role of the Normal distribution in these results. General approaches to obtaining estimators of parameters are introduced. Numerical simulation and graphing with Stata is used throughout to demonstrate concepts.

Textbooks

Wackerly DD, Mendenhall W, Scheaffer RL. Mathematical Statistics with Applications, 6th edition, 2002, Duxbury Press, USA.

University postgraduate units of study – C

CEPI5102
Literature Searching
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Angela Webster **Session:** Semester 1, Semester 2 **Classes:** online unit **Assessment:** completion of online quizzes (20%), 1x2000word assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Sc Med (Clin Epi), M M (Clin Epi), M M (Clin Epid), M Sc M (Clin Epid), M Sc Med (Clin Epi).

Students will learn how to formulate a searchable question; the pros and cons of different information sources; how to structure a computerised database search; important fields in MEDLINE; useful practical tips for searching MEDLINE; methodological filters. The assignment requires students to demonstrate their search skills for three clinical problems (marks allocated for how many relevant articles found, the content terms used, the methodological terms used, and the databases searched) and to demonstrate skills in the use of Web of Science and Endnote.

Textbooks
Online readings and other learning resources will be provided.

CEPI5200
Quality and Safety in Health Care
Medicine

Credit points: 6 **Teacher/Coordinator:** Prof George Rubin, A/Prof Merrilyn Walton, Dr Sharon Reid **Session:** Semester 1 **Classes:** online unit. Expected students hours effort/week = 9 to 12 **Assessment:** online participation (40%) and 1x4500word assignment (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Clin Epi, Grad Cert H S M, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip H S M, Grad Dip Med (Int Med), Grad Dip Med (Paed), M H S M, M H S M (Hons), M M (Clin Epid), M M (Int Med), M M (Paed), M Sc M (Clin Epid).

The aim of this unit is to introduce students to the principles of quality and safety in healthcare. The unit has four major content areas: understanding Q&S in health care; professional and ethical practice; clinical governance; and improving healthcare. At the end of the unit students will: understand the background to quality and safety in health care, from Australian and international perspectives; understand the nature of health care error including the methods of error detection and monitoring, and quality indicators; understand the role of good communication and other professional responsibilities in quality and safety in healthcare; have developed an understanding of clinical governance, accountability and systems management; have considered methods for improving healthcare such as getting research into practice, clinical practice guidelines and clinical practice improvement. This unit consists of online discussions, group work and activities based around key provided readings and other resources.

Textbooks
Online readings and other learning resources will be provided.

CEPI5202
Advanced Evaluation of Diagnostic Tests
Medicine

Credit points: 2 **Teacher/Coordinator:** Professor Les Irwig **Session:** Semester 2b **Classes:** one 2 hour seminar per week for 6 weeks **Corequisites:** PUBH5208 **Assessment:** presentation (20%), written assignment - maximum 4 typed pages (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, M M (Clin Epid), M Sc M (Clin Epid).

The aim of this unit is to critically appraise and apply, at an advanced level, the best evidence on diagnostic tests. This unit will help students to acquire advanced knowledge and skills in: assessing the quality of articles about diagnostic tests; extracting useful measures of test accuracy; and determining the value of the tests for different patients. At the end of this unit participants will be able to (at an advanced level): critically appraise articles assessing the validity and repeatability of diagnostic tests, and use information from diagnostic test articles to estimate the probabilities of alternative diagnoses with different test results. The unit is based on discussion of pre-circulated reading material. Assessment will be based on a paper selected for discussion in the final week.

Textbooks
Course notes are provided.

CEPI5203
Introduction to Systematic Reviews
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Sharon Reid, Professor Jonathan Craig **Session:** Semester 2a **Classes:** offered in online and face-to-face mode (one 2 hour seminar per week for 6 weeks) **Assessment:** submission of weekly tasks and participation in discussion (30%) and assignment 1x2000word report (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, M M (Clin Epid), M Sc M (Clin Epid).

Students will learn how to critically appraise a review of the effectiveness of an intervention; how to do a meta-analysis; applicability: How to weigh up benefits and harms; how to avoid misleading meta-analyses and find-or do-better systematic reviews; systematic review of observational studies; methodological filters. At the end of this unit, participants should be able to:search for systematic reviews; critically appraise reviews of randomised controlled trials, do a meta-analysis of randomised trials using available software; use meta-analytic methods for weighing up benefits and harms of an intervention in individual patient management and practice policy development. The assignment task is to: outline a clinical or health policy decision that you need to make; identify a systematic review that can help you with your decision-making; critically appraise this source; outline your decision and how you used the evidence to reach it; outline what additional information you would like and how you would obtain it

Textbooks
Course notes are provided.

CEPI5204
Advanced Systematic Reviews
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Lisa Askie, Dr Angela Webster, Dr Mike Jones **Session:** Semester 2b **Classes:** one 2 hour seminar per week for 6 weeks **Corequisites:** CEPI5203 **Assessment:** presentation (10%), written assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, M M (Clin Epid), M Sc M (Clin Epid).

The aim of this unit is to critically appraise and apply, at an advanced level, the best evidence on systematic reviews. This unit extends beyond the 'Introduction to Systematic Reviews' unit by exploring in-depth important issues around systematic reviews. At the end of the unit, students should be able to understand the advantages of individual patient meta-analyses; critically appraise a review of observational studies; understand differences of a systematic review observational studies compared with randomized trials, understand the potential pitfalls of meta-regression, perform and interpret a sub-group and meta-regression analysis, analyse continuous data

and understand the methods by which missing data can be imputed, and understand the common problems in meta-analysis of continuous data. The seminar sessions are interactive and based on discussion of reading assignments; two sessions are based in the computer lab.

Textbooks
Course notes are provided.

CEPI5205
Doing a Systematic Review
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Angela Webster **Session:** Semester 1, Semester 2 **Classes:** student project under supervision **Corequisites:** CEPI5203 **Assessment:** 1x2500word systematic review (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, M M (Clin Epid), M Sc M (Clin Epid).

This unit provides an opportunity to further develop knowledge and skills in systematic reviews by undertaking a systematic review (ideally including a meta analysis) in an area nominated by the student. The student will be supported by a nominated supervisor. At the end of this unit, students should be able to: undertake a systematic review; do a meta-analysis of randomised trials using available software, and submit the review in the form of a paper suitable for submission to a peer reviewed scientific, academic or professional journal. The assessment task is to undertake a systematic review and present the review in the form of a paper suitable for submission to a peer reviewed scientific, academic or professional journal. Ideally the review will include a meta analysis of selected study results.

Textbooks
There are no essential readings for this unit.

CEPI5206
Intro Teaching Clinical Epidemiology
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Sharon Reid **Session:** Semester 1, Semester 2 **Classes:** student project under supervision . Expected student effort 3-4 hours/week (36-48 hours/semester) **Prerequisites:** PUBH5010 **Corequisites:** PUBH5208 and CEPI5203 **Assessment:** course materials developed and evaluation report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, M M (Clin Epid), M Sc M (Clin Epid).

The aim of this unit is to further students' knowledge and skills in teaching clinical epidemiology - at an introductory level. Students have the opportunity to develop their own teaching modules based upon the modules they have been exposed to in the Clinical Epidemiology Program at the University of Sydney. There is no additional face-to-face teaching. Participants are expected to develop, teach and evaluate a clinical epidemiology module of at least 3 hours teaching time. Participants will use the unit coordinator as a supervisor for their work in this unit. By the end of this unit participants will have developed, delivered and evaluated a teaching module in Clinical Epidemiology by: developing materials about clinical epidemiology relevant to the target audience and setting; developed a method of teaching which is relevant to the target audience and setting; developing and using an assessment tool appropriate for the teaching module; developing and using a method of evaluation appropriate for the teaching module.

Textbooks
Recommended: Sackett DL, Richardson WS, Rosenberg W, Haynes RB. Evidence-base medicine. How to practice and teach EBM. Churchill Livingstone, Edinburgh.

CEPI5207
Advanced Teaching Clinical Epidemiology
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Sharon Reid **Session:** Semester 1, Semester 2 **Classes:** student project under supervision. Expected student effort 9 - 12 hours/week (108 - 144 hours/semester) **Prerequisites:** PUBH5010 **Corequisites:** PUBH5208 and CEPI5203 **Assessment:** 1x2500word essay, course materials developed and evaluation report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, M M (Clin Epid), M Sc M (Clin Epid).

This unit aims to further participants knowledge and skills in teaching clinical epidemiology - at an advanced level. Participants have the opportunity to develop their own teaching modules based upon the modules they have been exposed to in the Clinical Epidemiology Program at the University of Sydney. There is no additional face-to-face teaching. Participants are expected to develop, teach and evaluate a clinical epidemiology module of at least 9 hours teaching time. They are also expected to nominate a topic in the area of Teaching Clinical Epidemiology and explore the area in an essay. By the end of this unit participants will have developed, delivered and evaluated a teaching module in Clinical Epidemiology by: developing materials about clinical epidemiology relevant to the target audience and setting; developed a method of teaching which is relevant to the target audience and setting; developing and using an assessment tool appropriate for the teaching module; developing and using a method of evaluation appropriate for the teaching module; explored, through an essay, an academic area of interest in Teaching Clinical Epidemiology.

Textbooks
Sackett DL, Richardson WS, Rosenberg W, Haynes RB. Evidence-base medicine. How to practice and teach EBM. Churchill Livingstone, Edinburgh.

CEPI5303
Clinical Health Economics
Medicine

Credit points: 2 **Teacher/Coordinator:** Ms Kirsten Howard **Session:** Semester 2a **Classes:** one 2 hour seminar per week for 6 weeks **Assessment:** 1xshort answer assignment (1000 words) (40%), 1xresearch protocol design (2000 words) (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Surg, M M (Clin Epid), M S, M Sc M (Clin Epid).

This unit aims to introduce students to the principles and concepts of health economics, and to develop students' practical skills in applying the methods of economic evaluation to decision making in clinically relevant contexts. It also aims to further develop the application of economic concepts in the design of research to answer economic questions of relevance in a chosen clinical setting This unit covers: Introduction to health economics and economic evaluation; calculating cost effectiveness ratios and presenting results; measurement and valuation of resource utilisation; measurement and valuation of outcomes; economic modelling and uncertainty; critical appraisal; application of economic evaluation in health policy.

Textbooks
Course notes are provided.

CEPI5306
Clinical Practice Guidelines
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Lyn March, Dr Sharon Reid **Session:** Semester 2a **Classes:** Online unit. Expected student effort: 4-6 hours per week for 6 weeks **Assessment:** critical appraisal (70%), online discussions and quizzes (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Clin Epi, Grad Dip Surg, M M (Clin Epid), M S, M Sc M (Clin Epid).

During this unit students will discuss the potential benefits of clinical guidelines, as well as their limitations; discuss the steps required to develop an evidence-based clinical guideline; identify published guidelines in a relevant clinical field; critically appraise a published guideline using standard criteria; be aware of the perspective of the healthcare consumer; discuss strategies for implementation, including possible barriers to use and how they might be overcome; discuss strategies for evaluation of guidelines; and consider the role of decision support systems.

Textbooks
Online readings and other learning resources will be provided.

CEPI5308
Patient Based Measures

Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Martin Stockler, Associate Professor Glenn Salkeld, Professor Phyllis Butow **Session:** Semester 1b **Classes:** one 2 hour seminar per week for 7 weeks **Assessment:** 1x3000word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Surg, M M (Clin Epid), M S, M Sc M (Clin Epid).

The aim of this unit is to enable students to appraise and incorporate patient-based measures in clinical research. Topics include: definitions and approaches to measuring quality of life; developing and appraising studies that use them; item-generation and selection; validation; assessing and improving reliability; utilities and preferences; questionnaire design application in research. The sessions combine information-giving (first 90 minutes) with discussion and problem-solving (last 30 minutes). The written assignment may be an appraisal of an existing patient-based measure; an appraisal of a study incorporating a patient-based measure or a protocol for developing, validating or applying an instrument.

Textbooks

Streiner DL, Norman GR. Health Measurement Scales: a practical guide to their development and use 3rd Ed. Oxford University Press, 2003. (course textbook) Course notes are provided.

CEPI5309
Develop of Clin Epidemiology Research
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Jonathan Craig **Session:** Semester 1a **Classes:** 1x2hr tutorial per week for 6 weeks **Assessment:** 6x10min presentations, and contribution to the discussion of other presentations (30%) and 1x6-page paper (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Surg, M M (Clin Epid), M S, M Sc M (Clin Epid).

At each session, students will present aspects of a research proposal to their peers and faculty for critical comment. These proposals will then be refined into research protocols through regular re-presentation and feedback. The unit consists of 6, two-hour, face-to-face tutorial sessions. Every week each student will give a 10minute oral presentation of an aspect of their proposal (specific aims, background, significance, methods: population, measurement and analysis). Critical constructive evaluation by all students is strongly encouraged to perfect the proposal using clinical epidemiology skills acquired during Year 1. The final component of the assessment is determined by the consideration of the following elements of the written proposal: literature review, originality, rationale, study design, handling of bias (selection, measurement and confounding), statistics and analysis, feasibility, ethics, style and readability.

Textbooks

Course notes are provided.

CEPI5310
Advanced Concepts in Statistics
Medicine

Credit points: 4 **Teacher/Coordinator:** Associate Professor Judy Simpson **Session:** Semester 1 **Classes:** 2 hours per week for 7 weeks **Prerequisites:** PUBH5211 and PUBH5212 **Assessment:** 1xdata analysis assignment (70%) and 1x4page assignment (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Surg, M M (Clin Epid), M S, M Sc M (Clin Epid).

This unit extends biostatistical concepts covered in earlier units. Topics of study include: model-building in logistic regression: handling continuous variables; interpreting interactions in logistic regression; handling missing data; presenting results of a logistic regression analysis; testing for trends in r by c tables; combining trends in proportions over strata; analysing matched case-control studies: conditional logistic regression; ordinal logistic regression; analysing serial measurements: use of summary measures. The unit consists of seven, two-hour, face-to-face sessions. Sessions 1-3: In the first hour we discuss a pre-circulated exercise. In the second hour we discuss the listed topic. Sessions 4-6: In the first hour we discuss the listed topic. The second hour is held in the Computing Lab, where participants have the opportunity to ask questions relating to their analysis of the data for assignment 1, both about SAS problems and about conceptual issues. Session 7: In the first hour we discuss the listed topic. In the second hour assignment 1 is returned and discussed. For Assignment 1 participants use logistic regression to analyse a complex set of real data which is provided. For Assignment 2 the aim is to identify the single major analytical issue in a proposed or current piece of research in your area of interest, and then to find an appropriate way to address this issue.

Textbooks

Notes are provided.

CEPI5401
Clinical Epidemiological Practice
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Sharon Reid **Session:** Semester 2a **Classes:** one 2 hour seminar per week for 6 weeks **Assessment:** 1x2500word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Surg, M M (Clin Epid), M S, M Sc M (Clin Epid).

This unit considers the practicalities of clinical epidemiology i.e grantsmanship - the politics and practicalities of obtaining research funding; practicalities of RCTs; practicalities of observational studies; research ethics and research ethics committees; an introduction to qualitative methods in clinical research; and how to get published. The unit consists of 6 two hour sessions facilitated by expert speakers. Presentations will take the form of relatively informal tutorial sessions, although the actual format of the session will be determined by the speaker.

Textbooks

Course notes are provided.

CEPI5501
Treatise
Medicine

Credit points: 4 **Teacher/Coordinator:** Associate Professor Jonathan Craig **Session:** Semester 1, Semester 2 **Classes:** The treatise is generally begun in the second year of coursework and is completed soon after the coursework is complete. Students can choose, however, to begin their treatise after their coursework is complete. **Assessment:** Research treatise, i.e. a formal piece of writing that sets out an exposition of a subject. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (Clin Epid), M Sc M (Clin Epid).

Aim: The purpose of the Masters treatise is for candidates to demonstrate satisfactorily that they can use the knowledge, skills and attitudes learned from coursework. Candidates have to show that they can: define a topic or issue (usually a problem); summarise its main features and compare it with similar problems recorded in the literature; phrase clear research aims or questions; use appropriate methods to investigate the issue; interpret the results and discuss their meaning in relation to the research aims or questions; draw conclusions and make recommendations. Format: The treatise should be submitted in the form of a paper dealing with research on a specific topic. It should be acceptable for submission to a peer-reviewed scientific, academic or professional journal for consideration for publication.

CEPI5502
Treatise B
Medicine

Credit points: 4 **Teacher/Coordinator:** Associate Professor Jonathan Craig **Session:** Semester 2 **Classes:** The student needs to identify and nominate a suitable Treatise supervisor. The treatise is generally begun in the second year of coursework and is completed soon after the coursework is complete. Students can choose, however, to begin their treatise after **Assessment:** The Faculty in consultation with the School of Public Health appoints two examiners to mark the treatise. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Clin Epid), M Sc M (Clin Epid).

Aim:

The aim of the Masters treatise is for candidates to demonstrate satisfactorily that they can use the knowledge, skills and attitudes learned from coursework.

Content:

Candidates have to show that they can: define a topic or issue (usually a problem); summarise its main features and compare it with similar problems recorded in the literature; phrase clear research aims or questions; use appropriate methods to investigate the issue; interpret the results and discuss their meaning in relation to the research aims or questions; draw conclusions and make recommendations. Format: The treatise should be submitted in the form of a paper dealing with research on a specific topic. It should be acceptable for submission to a peer-reviewed scientific, academic or professional journal for consideration for publication.

Learning Objectives:

Upon completion of the Treatise candidates will demonstrate that they can:

1.define a topic or issue (usually a problem);

2.summarise its main features and compare it with similar problems recorded in the literature;

3.phrase clear research aims or questions;

4.use appropriate methods to investigate the issue;

5.interpret the results and discuss their meaning in relation to the research aims or questions;

6.draw conclusions and make recommendations.

CEPI5503
Dissertation C
Medicine

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (Clin Epi), M Sc M (Clin Epid), M Sc Med (Clin Epi).

CEPI5504
Dissertation
Medicine

Credit points: 8 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enroll in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enroll.

Associated degrees: M M (Clin Epid), M Sc M (Clin Epid).

CEPI5505
Clinical Epidemiology Project 1
Medicine

Credit points: 2 **Teacher/Coordinator:** Prof Jonathan Craig **Session:** Semester 1, Semester 2 **Classes:** student project under supervision **Prerequisites:** PUBH5010 and PUBH5018 and CEPI5102 **Assessment:** 1x2000word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Sc Med (Clin Epi), M M (Clin Epi), M M (Clin Epid), M Sc M (Clin Epid), M Sc Med (Clin Epi).

This unit provides students with an opportunity to develop a Clinical Epidemiology study proposal under supervision. The proposal will include: background to the project; project plan; project significance; justification of the project; project method; budget; and ethical implication of project. At the end of the unit, the student will be proficient in writing research proposals suitable for submission to an appropriate funding body. Student assignment which involves writing a study proposal suitable for submission to a funding body.

Textbooks
There are no essential readings for this unit.

CEPI5506
Clinical Epidemiology Project 2
Medicine

Credit points: 4 **Teacher/Coordinator:** Prof Jonathan Craig **Session:** Semester 1, Semester 2 **Classes:** student project under supervision **Prerequisites:** PUBH5010 and PUBH5018 and CEPI5102 **Corequisites:** CEPI5505 **Assessment:** 1x4000word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Sc Med (Clin Epi), M M (Clin Epi), M M (Clin Epid), M Sc M (Clin Epid), M Sc Med (Clin Epi).

The aim of this unit is to conduct a clinical epidemiology project and write a report on the project in the form of a paper suitable for publication. The project will involve: refining the project proposal; data collection; data analysis; and produce a report suitable for publication. At the end of the unit, the student will be proficient in conducting and writing a report of a clinical epidemiology project. The report should be suitable for publication in a peer reviewed journal.

Textbooks
There are no essential readings for this unit.

CEPI5510
Dissertation A
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (Clin Epi), M Sc M (Clin Epid), M Sc Med (Clin Epi).

CEPI5511
Dissertation B
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (Clin Epi), M Sc M (Clin Epid), M Sc Med (Clin Epi).

CHNG5601
Membrane Science
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Hans Coster **Session:** Semester 1 **Classes:** Four hours of lectures and laboratory sessions per week for one semester. **Assessment:** Assignments and Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S.

Students will be given a background in the physics of cell membranes.

The students will understand the electrodiffusion of materials through membranes.

Students will be provided with a good background in the electrical properties of cell membranes and gain an understanding of the process of excitation in nerve and muscle.

Expected outcomes: Students will be able to: Understand the physical and physico-chemical basis of processes in cell membranes; Understand the ubiquitous ion channel basis of nerve excitation and transport in cells; Be able to assess the physico-chemical basis of new developments in biotechnology, bionic devices and

pharmacological areas and contribute to those developments; Understand the use of electroporation techniques for genetic engineering and animal cloning.

Syllabus summary: Self-assembly, molecular structure and function of cellular membranes. Ion partitioning and electrical properties. Fixed charge membranes, Electrodiffusion, Nernst potentials, osmotic relations, chemio-osmotic hypothesis. Ion channels and other protein nano-machines. Nerve excitation, the Hodgkin-Huxley equations. Excitation in cardiac and other tissues. Membrane stability, electrical breakdown in cell membranes. Biotechnology applications including electroporation techniques for genetic engineering and animal cloning.

Textbooks

R. K. Hobbie Intermediate Physics for Medicine and Biology, John Wiley
H. G. L. Coster Thermodynamics of Life Processes, UNSPress (Library reference only)
B. Nölting Methods in Modern Biophysics, Springer
W. Ho and K. K. Sirkar Membrane Handbook Part VIII Microfiltration. Chapman Hall
Plus
Recommended as required within the course.

CHNG5602
Cellular Biophysics
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Hans Coster **Session:** Semester 1 **Classes:** 3 hours of lectures and tutorials per week for one semester; 4 hours of laboratory per week for one semester. **Assessment:** Assignments/Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S.

Objectives: Students will be given a good background in the physics of biological processes. Students will understand the differences between thermodynamically closed and open systems and its relevance to cells and other biological systems. Students will be provided with an introduction to the thermodynamics of irreversible and evolutionary processes of relevance to biology. Students will be introduced to the statistical mechanics of self assembly and equilibrium structures and its relevance to biology at the molecular level.

Expected outcomes: Students will be able to: Be able to deduce basic physical aspects of biological processes in different contexts; Analyse transport (mass transfer) in biological systems and the bioenergetics of such processes; Understand and appreciate the rapidly advancing new developments in molecular biology and biotechnology.

Syllabus summary: Review of thermodynamics, open and closed systems, entropy production, Thermodynamics of non-equilibrium processes. Energy transformation, active transport. The Donnan equilibrium, dielectric exclusion and ion partitioning. The evolution of open thermodynamic systems. Application of Statistical-Mechanics to self-assembly of molecular structures, applications of biological interest.

Textbooks

R. K. Hobbie Intermediate Physics for Medicine and Biology, John Wiley
H. G. L. Coster Thermodynamics of Life Processes, UNSPress (Library reference only)
B. Nölting Methods in Modern Biophysics, Springer
Plus
Recommended as required within the course.

CHNG5603
Analysis, Modelling, Control: BioPhy Sys
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** A/Professor Fariba Dehghani **Session:** Semester 1 **Classes:** Four hours of lectures or tutorials per week for one semester. **Assessment:** tutorials, assignments, projects and report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S.

This course will give students an insight into the use of (computer-based) statistical techniques in extracting information from experimental data obtained from real life bio-physical systems. The issues and techniques required for mathematical modeling as well as monitoring and/or control scheme for bio-physical systems will be discussed and implemented in diverse range of bioprocesses, including biomaterials and fermentation products.

We will review statistical distribution; tests based on z, t, F variables; calculation of confidence intervals; hypothesis testing; linear and nonlinear regression; analysis of variance; principal component analysis; and use of computer-based statistical tools. The issues associated with dynamic response of bio-physical processes; inferred or estimated variables; control system design and implementation; introduction to model-based control; use of computer-based control system design and analysis tools will be elaborated.

When this course is successfully completed you will acquire knowledge to choose the appropriate statistical techniques within a computer based environment, such as Excel or MATLAB, for a given situation. The students will also obtain potential for monitoring/control scheme based on the key dynamic features of the process. Such information would be beneficial for any future career in Bio-manufacturing companies. Students are encouraged to promote an interactive environment for exchange of information.

CHNG5604
Membrane Science Laboratory
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Hans Coster **Session:** Semester 2 **Classes:** Three hours of lectures or tutorials per week for one semester. Four hours of laboratory sessions per week for one semester. **Assessment:** Laboratory exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S.

Objectives: Students will explore experimentally the theoretical concepts learned in the other Biophysics modules. They will gain practical insights into electrodiffusion and other mass transport processes through membranes. Students will understand the construction and functional properties of synthetic separation membranes. Students will explore experimentally the various factors affecting the performance of synthetic separation membranes.

Expected outcomes:

Students will: obtain an enhanced appreciation of the science and technology of membranes; apply concepts learned in the theoretical courses to practical problems; develop membrane-based devices for water purification or waste water management; be in a position to assess and correct problems encountered in membrane based processes.

Syllabus summary:

The course is comprised of a series of some 20 integrated, in depth, laboratory based exercises and analytical problems. Topics include:

Construction and structure of synthetic membranes. Reverse osmosis, nanoflitration and microfiltration membranes. Flux measurements, pore characteristics. Ion exchange membranes. Electrodiffison, membrane potentials, Goldman equation, streaming potentials. Electrodialysis.

Textbooks

R. K. Hobbie Intermediate Physics for Medicine and Biology, John Wiley
H.G. L. Coster and T. C. Chilcott Fundamentals of Membrane Science - Laboratory Notes to be made available to students
B. Nölting Methods in Modern Biophysics, Springer
W. Ho and K. K. Sirkar Membrane Handbook Part VIII Microfiltration. Chapman Hall

CHNG5605
Bio-Products: Laboratory to Marketplace
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** A/Professor Fariba Dehghani **Session:** Semester 2 **Classes:** 2 hours of lectures per week for 1 semester. **Assessment:** Project work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered as an advanced elective unit of study to final year undergraduate students. Students may be required to attend lectures off-campus.

Associated degrees: B E, Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S.

The objectives of the course are to provide students with an overview of biochemical and pharmaceutical industry. It will give students an insight into drug delivery systems and formulation; how therapeutic drugs work; and a general overview of biochemical and pharmaceutical marketing. The design and management of clinical trials, which are key factors for development of any new therapeutic agent will also be covered in the course. The challenges for commercialisation of innovative methods and/or biochemical and pharmaceutical products and aspects of intellectual property protection will be elaborated. Ultimately the aspects of Good Manufacturing Practice (GMP) and international legislation for marketing pharmaceutical products will be illuminated.

Lectures in this course will be delivered by both University of Sydney staff and by a number of visiting professional representatives from industry and government agencies. We will also arrange a site visit for a bio-manufacturing company as warranted.

When you successfully complete this course you acquire knowledge about drug formulation, pharmaceutical processing including physical processes, legislation governing the bio-manufacturing and commercialisation of biochemicals and pharmaceuticals. The information would be beneficial for your future career in pharmaceutical manufacturing companies.

Students are encouraged to engage in an interactive environment for exchange of information. This course will be assessed by quizzes, assignments, oral presentation and final report.

CHNG5901
Project Part A
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Final Report 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: See Department of Chemical Engineering for information

Associated degrees: M E S, M E S (Sust Process).

In order to enrol in a project, students must first of all secure an academic supervisor in an area that they are interested in. The topic of your project must be determined in discussion with your supervisor. The supervisor can come from any department, however, if outside the Department of Chemical Engineering, they need to send confirmation of their supervision approval to the Postgraduate Administrator. Only one Project per semester can be taken, however, it can be supplemented with a 2 credit point Seminar in which supplementary work, and an oral presentation related to the Project can be carried out.

CHNG5902
Project Part B
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Final Report 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: See Department of Chemical Engineering for information

Associated degrees: M E S, M E S (Sust Process).

In order to enrol in a project, students must first of all secure an academic supervisor in an area that they are interested in. The topic of your project must be determined in discussion with your supervisor. The supervisor can come from any department, however, if outside the Department of Chemical Engineering, they need to send confirmation of their consent to supervise to the Postgraduate Administrator. Only one Project per semester can be taken, however, it can be supplemented with a 2 credit point Seminar in which supplementary work, and an oral presentation related to the Project can be carried out.

CHNG5904
Seminar 1
Engineering and Information Technologies

Credit points: 2 **Session:** Semester 1, Semester 2 **Assessment:** Oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: See Department of Chemical Engineering for information

Associated degrees: M E S.

Objective: This unit of study provides students with the experience of preparing and presenting a professional seminar. Syllabus: Students are required to carry out research related to the profession of chemical engineering. The discussion will be presented in the form of a seminar.

CHNG5905
Seminar 2
Engineering and Information Technologies

Credit points: 2 **Session:** Semester 1, Semester 2 **Assessment:** Seminar presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: See Department of Chemical Engineering for information.

Associated degrees: M E S.

Objective: This unit of study provides students with the experience of preparing and presenting a professional seminar. Syllabus: Students are required to carry out research related to the profession of chemical engineering. The discussion will be presented in the form of a seminar.

CHNG5906
Extended Project
Engineering and Information Technologies

Credit points: 12 **Session:** Semester 1, Semester 2 **Assessment:** Assessment of Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S (Wir.

Objectives

For the student to complete an extended research project and successfully analyse a problem, devise appropriate experiments, analyse the results and produce a well-argued thesis.

Expected outcomes:

Students will be able to:

Syllabus summary:

In order to enrol in a project, students must first of all secure an academic supervisor in an area that they are interested in. The topic of your project must be determined in discussion with the supervisor. The supervisor can come from any department, however, if outside the Department of Chemical Engineering, they need to send confirmation of their supervision approval to the Postgraduate Administrator.

CHNG5907
Extended and Enhanced Project
Engineering and Information Technologies

Credit points: 24 **Session:** Semester 1, Semester 2 **Assessment:** Assessment of Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, Grad Cert Sus Proc, Grad Dip Sus Proc, M E S, M E S (Aerospace), M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M E S (Net Eng), M E S (New Mat Tech), M E S (Struct Found Eng), M E S (Sust Process), M E S (Wir.

Objectives: To complete an extended and enhanced research project and successfully analyse a problem, devise appropriate experiments, analyse the results and produce a well-argued, in-depth thesis.

Expected outcomes: Students will be able to: Develop research skills and to cope with ambiguity; Select appropriate engineering principles to solve an open-ended problem; Understand that engineering is practised in non-ideal, poorly defined situations. A good engineer is able to successfully solve problems in these situations.

Syllabus summary: In order to enrol in a project, students must first of all secure an academic supervisor in an area that they are interested in. The topic of your project must be determined in discussion with the supervisor. The supervisor can come from any department, however, if outside the Department of Chemical Engineering, they need to send confirmation of their supervision approval to the Postgraduate Administrator.

CHNS5982
Approaches to Research on Modern China
Arts

Credit points: 6 **Teacher/Coordinator:** Dr E. U **Session:** Semester 1 **Classes:** 2 hour seminar per week **Prohibitions:** ASNS5902, JPNS5902, INMS6903 **Assessment:** 5,000 words written work + presentation based on proposal or essay + classwork assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

This unit offers a survey of recent developments in selected aspects of research on modern Chinese society, politics and culture. Seminar discussion will be used to explore the approach, conceptual framework, methodology and findings of some innovative studies (perhaps including work in progress). The purpose is to provide (a) an update on the current state of research on debated issues and (b) research training that would be both useful in postgraduate work and transferable to a range of professional contexts.

CHNS6953
Expression and Repression in Premodern China
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D. Herforth **Session:** Semester 2 **Classes:** 2 hours per week **Assumed knowledge:** A solid grounding in Classical Chinese. **Assessment:** one research essay of 5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

This unit of study addresses the tradition of discursive resistance to absolute power in early Chinese political culture to the end of the Han (220 A.D.). We examine the early practice of formal protest at court, its later valorisation in ethical norms, and the subsequent tension between careerism and Confucian integrity. We explore the literary expression of frustrated resistance in Qu Yuan, Sima Qian and others, and compare the representation of Chinese political martyrdom with notions of tragedy in ancient Greece.

CHNS6975
Society and Individual in Post Mao China
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Prohibitions:** ASNS6975 **Assumed knowledge:** Advanced reading knowledge of modern Chinese. **Assessment:** 5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

During the past two decades of reform in China, society has undergone enormous, rapid change. With economic restructuring and the remodelling of the role of government, the relatively fixed social identities of the past have entered an uncertain, transitional phase. This component examines selected aspects of these changes, their impact on various groups and institutions (e.g., the family, the workplace), and the emergence of new conceptions of individual identity.

CISS6001
New Security Challenges
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3hrs per week **Assessment:** Briefing paper or debate summary; Research essay; 2hr Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int S, Grad Cert Int Sec, Grad Cert US Stud, Grad Dip Com, M Bus, PG Coursework Exchange.

This unit considers the evolving nature of security in the context of global politics. It focuses on non-military challenges to security while acknowledging the relationships between these and traditional security concerns. Among the topics considered are: international law and security; the privatisation of security; economics and security; energy resources; environmental degradation; the burden of infectious diseases; population dynamics; gender and age perspectives on security; the dilemmas of fragile and failing states; transnational organised crime; and new modes of warfare. The overall objective of the unit is to engage with issues and arguments that challenge how security is traditionally understood. Teaching and learning take place via a combination of lectures, student-led seminars, independent research, debates and case studies.

CISS6002
Strategy & Security in the Asia-Pacific
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Assessment:** Class participation; Essay; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip Com, M Bus, PG Coursework Exchange.

The Asia-Pacific region faces a matrix of security challenges that are seemingly unique in the early part of the 21st century. This unit will examine whether a new security dilemma is emerging in Asia commensurate with the rise of China and India as two potential superpowers by 2050, and it will assess the major strategic drivers pertinent to the Asia-Pacific. The combination of regional security challenges to be examined in this unit include: the strategic relationships between the United States, China and Japan; the potential for conflict on the Korean peninsula, in the Taiwan Strait; concerns about nuclear proliferation; extremist violence by Muslims and others in Southeast Asia; and inadequate systems of governance in some South Pacific countries. The overall objective of the unit is to engage with issues and arguments about security that relate specifically to the Asia-Pacific region. Teaching and learning take place via a combination of lectures, student-led seminars, independent research, debates and case studies.

CISS6003
Business and Security
Economics and Business

Credit points: 6 **Session:** Semester 1a **Classes:** 3 hrs per week **Assessment:** Essays; PowerPoint briefing; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip Com, M Bus, M Int Bus, PG Coursework Exchange.

This unit examines the importance of security in business through assessing contemporary security challenges and what 'security' comprises in a business context. Topics include: fraud and corruption, cybercrime, industrial espionage, corporate liability, business and organised crime links, preparedness for terrorism, business continuity during infectious disease outbreaks, the international arms trade, and private military corporations. The unit includes management sessions which focus on risk and crisis management, and planning for effective security. Teaching and learning take place via a combination of lectures, student-led seminars, case studies and crisis simulations.

CISS6004
Disease and Security
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3hrs per week **Assessment:** Seminar paper or debate summary; Research essay; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip Com, Grad Dip H Pol, M Bus, PG Coursework Exchange.

This unit assesses the political and security significance of infectious diseases. Whether one contemplates historical experiences with smallpox, plague and cholera, or the contemporary challenges posed by new diseases like HIV/AIDS and SARS, it is clear that pathogenic micro-organisms exercise a powerful influence over civilized humankind. The unit concentrates on areas in which human health and security concerns intersect most closely, including: biological weapons proliferation; responses to fast-moving disease outbreaks of natural origin; safety and security in microbiology laboratories; and the relationships between infectious disease patterns, public health capacity, state functioning and violent conflict. The overall aim of the unit is to provide students with a stronger understanding of the scientific and political nature of these problems, why and how they might threaten security, and the conceptual and empirical connections between them.

CISS6005
Ethics, Law and War
Economics and Business

Credit points: 6 **Session:** Semester 1a **Classes:** 3hrs per week **Assessment:** Class participation; Seminar paper; Essay; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip Com, PG Coursework Exchange.

This unit examines ethical and legal norms relating to the use of armed force for political purposes by states and non-state actors. In particular, it explores the ways in which ethics and law influence or fail to influence strategic and tactical decisions. After an introduction to the nature of ethics and law and their relationship with politics and strategy, the course examines a wide range of topics, drawing on historical and contemporary case studies. The topics covered include: conscription and conscientious objection; law of armed conflict in international and internal conflicts; the concept of inhumane weapons; the use of private contractors to support and wage war; ideas of Just War and self-defence; forceful intervention in other states for humanitarian and other purposes; ethics and the 'war on terror'; and the enforcement of ethical and legal norms.

CISS6007
Terrorism in the Asia-Pacific Region
Economics and Business

Credit points: 6 **Session:** Winter Main **Classes:** 12 hours each week for 3 weeks of Winter School **Assessment:** Essay; Threat Assessment; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int S, Grad Cert Int Sec, Grad Dip Com, M Bus, M Int Bus, PG Summer/Winter School.

The unit will begin by providing a conceptual framework for understanding the phenomenon of terrorism as a form of asymmetrical warfare waged by political actors including an examination of the impact that the end of the Cold War has had on the rise of religiously inspired terrorism. In doing so, common misconceptions will be challenged, highlighting the rationality that drives terrorist behaviour and strategies. With a focus on the Asia-Pacific region, the unit will analyse terrorist organisational structures, including leadership, ideologies, motivations, capabilities, strategies, tactics and targets. Equipped with this knowledge, students will consider effective counter-terrorism strategies, including practical considerations for protecting critical functions of the state and private sector.

CISS6008
Population and Security
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3hrs per week **Assessment:** Oral and written presentation; Research assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip Com, M Bus, PG Coursework Exchange.

This unit considers the importance of demographic factors in international security. It attempts to provide answers to the complex questions regarding how population changes affect security concerns. In particular it examines how population dynamics and characteristics such as growth rates, fertility, mortality, age and ethnic structure might be linked to national and international security. Among topics covered will be key global population trends, differing world population transitions, the significance of resource scarcity and environmental degradation, the role of natural disasters, and the significance of ethnic and religious divisions. Case studies will be presented with respect to how demographics may contribute to undermining the viability of modern states and the importance of population to security considerations in the Asia-Pacific region.

CISS6009
Research Essay 1
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Research Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Entry into this unit is by permission only.

Associated degrees: Grad Cert Int Sec, Grad Dip Com, M Bus.

This unit consists of a 6,000 word research essay under the guidance of a supervisor from CISS. Normally it involves deeper study of a subject which the student has already covered in her/his degree. Entry into this unit is by permission only, and depends upon the availability of a CISS supervisor for the proposed topic and student's existing knowledge in the area.

MCom, MBus, and MIntSec students can take this unit as a stand-alone elective unit. MIntSec students may also take this unit in conjunction with CISS6010 Research Essay 2, writing a supervised dissertation of 10,000 - 12,000 words.

CISS6010
Research Essay 2
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of a minimum of 4 units with an average of 75% **Corequisites:** CISS6009 **Assessment:** Research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Cert Int Sec.

This unit is the second of a two-part, supervised dissertation of 10,000 -12,000 words to be taken in conjunction with CISS6009 Research Essay 1. Entry into this unit is by permission only and requires the completion of a minimum of 4 units with an average of 75%, and upon the availability of a CISS supervisor for the proposed topic.

CISS6011
Special Topic in International Security
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3hrs of seminars per week **Assessment:** Depends on the topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip Com, M Bus.

This unit will examine a special topic in International Security. It will be taught by a CISS visiting scholar, an expert in her/his field. For further details, contact the Coursework Coordinator, Dr Christian Enemark.

CISS7001
Business and Security Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the relevant major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

CISS7002
Business and Security Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the relevant major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

CISS7101
Honours Dissertation Part 1
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** N/A **Prerequisites:** Average grade of 75 per cent or higher in coursework units including GOVT6139 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int Sec (Hons).

This unit of study is the first of a four-part, supervised writing of a dissertation of 20,000 - 25,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of International Security with Honours.

CISS7102
Honours Dissertation Part 2
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average grade of 75 per cent or higher in coursework units including GOVT6139 **Corequisites:** CISS7101 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Int Sec (Hons).

This unit of study is the second of a four-part, supervised writing of a dissertation of 20,000 - 25,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of International Security with Honours.

CISS7103
Honours Dissertation Part 3
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average grade of 75 per cent or higher in coursework units including GOVT6139 **Corequisites:** CISS7102 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Int Sec (Hons).

This unit of study is the third of a four-part, supervised writing of a dissertation of 20,000 - 25,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of International Security with Honours.

CISS7104
Honours Dissertation Part 4
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average grade of 75 per cent or higher in coursework units including GOVT6139 **Corequisites:** CISS7103 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Int Sec (Hons).

This unit of study is the fourth of a four-part, supervised writing of a dissertation of 20,000 - 25,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of International Security with Honours.

CIVL5255
Concrete Structures: Durability
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: A/Prof Reid, email S.Reid@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2 hour lectures, plus one day on site. Classes in even numbered years. Total number of lecture hours: 24. **Assessment:** Assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Structural Engineering

Objectives: To develop an advanced understanding of the behaviour and design of concrete and its applications.

Outcomes: Students will develop skills in the design of concrete mixes, the application of concrete in construction, and the durability and repair of concrete.

Syllabus summary: Properties of cement and concrete, types of cements, aggregates, water-cement ratio, admixtures, fire resistance and cover, curing, shrinkage, creep and thermal effects, testing, reinforcement, concrete in construction, concrete durability, identification and analysis of cracks in concrete and their causes, corrosion and repair aspects of concrete.

Reference books

Guide to Concrete Construction - Standards Australia (HB64)

Australian Concrete Technology - by Ryan & Sam

CIVL5256
Concrete Structures: Serviceability
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: A/Prof Reid, email S.Reid@civil.usyd.edu.au **Session:** Semester 1 **Classes:** 2 hour lectures. Classes in even numbered years. Total number of lecture hours: 26. **Assessment:** Assignments and 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Structural Engineering

Objectives: To develop an advanced understanding of the analysis and design of reinforced concrete structures in accordance with the requirements of Australian Standards.

Outcomes: Students will develop skills in the analysis and design of reinforced concrete members and structures to satisfy serviceability and strength requirements.

Syllabus summary: The analysis and design of reinforced concrete members and structures, including: material properties, 'elastic' analysis (stresses/deformations/time-dependence), ultimate strength, moment redistribution, and plastic analysis and design of frames and slabs.

Reference books

Warner et al, Concrete structures (Longman)

Australian Standard AS 3600 Concrete Structures

CIVL5262
Structural Steel Connections
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Dr T Wilkinson, email t.wilkinson@civil.usyd.edu.au **Session:** Semester 1 **Classes:** 2 hour lectures. Classes in even numbered years. Total number of lecture hours: 26. **Assessment:** Assignment submissions, as indicated at the commencement of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Structural Engineering.

Objective: To develop an understanding of the behaviour and design of steel connections in open and hollow sections.

Outcomes: Students should appreciate the behaviour of complete steel connections, resulting from the understanding of basic connector (bolts, welds, plates, and sections) behaviour. Students will have working knowledge of computer software used in connection design.

Syllabus summary: Introduction, basic connection behaviour, basic connection design, flexible connections in open sections, rigid connections in open sections, computer software for connection design, connections in hollow sections, fatigue, semi-rigid connections.

Reference books:

Australian Institute of Steel Construction, Design of Structural Connections - 4th edition (1994)

Australian Institute of Steel Construction, Design of Structural Steel Hollow Section Connections - 1st edition - Volume 1 - Design Models (1996)

CIDECT connection design guides

Internet resources as identified during lectures

CIVL5263
Stainless Steel and Aluminium Structures
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Prof K Rasmussen, email K.Rasmussen@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2 hour lectures. Classes in even numbered years. Total number of lecture hours: 26. **Assessment:** Assignment submissions, as indicated at the commencement of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Structural Engineering.

Objective: To develop an understanding of the behaviour and design of stainless steel and aluminium structures.

Outcomes: Students will understand the basic principles for the design of stainless steel and aluminium structures. They will appreciate the difference between structural design in stainless steel and aluminium compared to ordinary structural steel. Students will be conversant with the Australian standards for stainless steel (AS/NZS4673) and aluminium (AS/NZS1664) structures.

Syllabus summary: Mechanical properties, Selection of alloys, influence of material softening on the structural design procedure, section capacity, member capacity: tension members, compression members, flexural members, connections: bolted and welded, testing provisions.

Reference books:

AS/NZS4673:2001, Cold-formed Stainless Steel Structures, Standards Australia, Sydney, 2001.

AS/NZS1664:1997, Aluminium Structures, Part 1, Standards Australia, Sydney, 1997.

Design Manual for Structural Stainless Steel, EURO INOX European Stainless Steel Development Information Group, Nickel Development Institute, Toronto, 1994.

FM Mazzolani, Aluminium Alloy Structures, E&FN Spon, London, 1995. Lib. Clfc. 620 1864 A

ML Sharp, Behaviour and Design of Aluminium Structures, McGraw-Hill, New York, 1993. Lib. Clfc. 624 1826 5

JB Dwight, Aluminium Design and Construction, E&FN Spon, London, 1999. Lib. Clfc. 624 1826 8

CIVL5451
Numerical and Computer Methods
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Prof John Small, email J.Small@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2 hour lectures, in even numbered years. **Assessment:** Assignment submissions, as indicated at the commencement of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Geotechnical Engineering.

Objectives: to develop an understanding of the major analytical and numerical tools used for computation in geotechnical engineering

Outcomes: Students will develop an appreciation of the capabilities and limitations of the major computer modelling techniques used in geotechnical engineering. They will have learnt how to develop numerical models for particular boundary and initial value problems.

Syllabus summary: Introduction to numerical modelling and computer techniques. Finite element analysis of elastic continua. Finite element formulation of elastoplastic problems, seepage, consolidation, pollution migration. Introduction to boundary element techniques.

Reference books:

1.Beer, G. and Watson, J.O. (1992). Introduction to Finite and Boundary Element Methods for Engineers, John Wiley & Sons, Chichester.

2.Potts, D. M. and Zdrovkovic, L. Finite Element Analysis in Geotechnical Engineering - Theory, Thomas Telford, London,

3.Smith, I.M. and Griffiths, D.V. (1982). Programming the Finite Element Method, 2nd edition, John Wiley & Sons, Chichester.

4.Zienkiewicz, O.C. (1977). The Finite Element Method, 3rd edition. McGraw-Hill Publishing Company Ltd,Maidenhead.

CIVL5452
Foundation Engineering
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Prof John Small, email J.Small@civil.usyd.edu.au **Session:** Semester 1 **Classes:** 2 hour lectures, in even numbered years. Total number of lectures: 26 **Assessment:** Assignment submissions, as indicated at the commencement of the course **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Geotechnical Engineering.

Objectives: To develop an understanding of the behaviour of foundations for engineering structures and to gain knowledge of the design methods that can be applied to practical problems

Outcomes: Students will have learnt how to evaluate the response of foundations on a variety of soil types and how to select the type of foundation most suited technically to any given site. They will also develop an understanding of other related aspects of foundation construction, including excavation, drainage and methods of ground improvement.

Assumed Knowledge: Elementary soil mechanics.

Syllabus summary: Foundation types and factors influencing their selection. Site investigation. Bearing capacity of shallow foundations. Uplift capacity of foundations. Settlement analysis. Strip, mat and raft foundations - soil-structure interaction. Pile foundations. Foundations in Rock. Floating foundations. Excavation support. Dewatering. Foundations on expansive soils. Ground improvement techniques.

Reference books:

1.Atkinson, M.F. (1993) Structural Foundations Manual For Low Rise Buildings. E &FN Spon, London.

2.Centre for Geotechnical Research (1995) Soil Mechanics Data Sheets, Centre for Geotechnical Research, University of Sydney, Sydney.

3.Curtins Consulting Engineers (1994) Structural Foundation Designers' Manual. Blackwell Scientific Publications. Oxford.

4.Hansbo, S. (1994) Foundation Engineering. Elsevier Science B.V., Amsterdam.

5.Fang, H.F. (1991) Foundation Engineering Handbook, (2nd edition), Van Nostrand Reinhold. New York.

6.Peck, R.B., Hanson, W.E. & Thornburn, T.H. (1974) Foundation Engineering, (2n edition). John Wiley & Sons, New York.

7.Peck, W.A., Neilson, J.L., Olds, R.J. & Seddon, K.D. (editors) (1992) Engineering Geology of Melbourne, Balkema, Rotterdam,.

8.Pells, P.J.N. (editor) (1985) Engineering Geology of the Sydney Region. Balkema, Rotterdam.

9.Poulos, H.G. & Davis, E.H. (1991) Elastic Solutions for Soil and Rock Mechanics. Centre for Geotechnical Research, University of Sydney. Sydney.

10.Sloan, S.W. & Allman, M.A. (editors) (1995) Engineering Geology of the Newcastle-Gosford Region. Conference Publications, Springwood, NSW, Australia.

11.Tomlinson, M.J. (1995) Foundation Design & Construction, (6th edition), Longman Scientific & Technical, Harlow.

12.Winterkorn, H.F. & Fang, H.Y. (1975) Foundation Engineering Handbook, Van Nostrand Reinhold. New York.

13.Various scientific papers, as advised during lectures.

CIVL5455
Engineering Behaviour of Soils
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Prof John Small, email J.Small@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2 hour lectures, in even numbered years. Total number of lectures: 26 **Assessment:** Assignment submissions, as indicated at the commencement of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Geotechnical Engineering.

Objectives: To introduce the Critical State Soil Mechanics framework, and hence to develop an understanding of the key parameters influencing the engineering behaviour of soils.

Outcomes: An understanding of the behaviour of soils. In particular, the factors influencing the strength and stiffness of soils. An ability to select parameters for strength and stiffness in a rational manner. The ability to use simple Cam Clay models to make predictions of soil behaviour.

Syllabus summary: Friction, soil compressibility, creep, drained and undrained strengths, Critical State models, index tests, stiffness

Reference books:

Atkinson JHand Bransby PL. The mechanics of soils. An introduction to Critical State Soil Mechanics, McGraw-Hill, 1978

Muir Wood, D. Soil behaviour and Critical State Soil Mechanics, Cambridge University Press, 1990

CIVL5457
Geotechnical Investigations
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Prof John Small, email J.Small@civil.usyd.edu.au **Session:** Semester 1 **Classes:** 2 hour lectures, in even numbered years. Total number of lectures: 26 **Assessment:** Assignment submissions, as indicated at the commencement of the course **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S.

Unit of study for the degree of Master of Engineering Studies, Graduate Diploma in Geotechnical Engineering or Graduate Diploma in Structural and Foundation Engineering.

Objectives: To develop an understanding of the practical application of geotechnical engineering principles to field problems, including the procedures for site characterization.

Outcomes: Students should gain an advanced understanding of the procedures for site investigation and characterization, problems in representing real field conditions in design analyses, and the difficulties in accurate prediction of field performance, and gain experience in carrying out predictions of field performance for real geotechnical problems.

Syllabus summary: geotechnical prediction strategies, site investigation techniques, methods of in-situ testing and test interpretation to obtain design parameters, geophysical methods, field instrumentation methods, exposition of selected case histories, application of prediction techniques to case histories such as pile foundation performance, and embankments on soft clay.

Reference Material:

T.W. Lambe "Predictions in soil engineering". Rankine Lecture, Geotechnique, 23,2: 149-202.

R.B. Peck "Case histories in soil mechanics". Proc. 9th Int. Conf. Soil Mechanics and Found. Eng., Tokyo, Case History Volume, 1-14.

Dunnicliff, J. (1988) "Geotechnical instrumentation for monitoring field performance", Wiley, New York.

CIVL5656
The Fluid Environment
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Lecturer in charge: Adj.Prof Ian Jones, email I.Jones@civil.usyd.edu.au **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hour tutorial each week. Offered every year **Assessment:** Assignments: 50%, Presentation: 10%, 2 hour exam: 40% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Appl Sc (Env Sc), M E S.

Objectives: To obtain an understanding of the basic meteorology and oceanography relevant to an environmental engineer and to improve competence in developing a formal technical presentation in this area of knowledge.

Outcomes: An appreciation will be obtained of the equation governing geophysical fluid dynamics and knowledge of the sources for forecasts of the environment. The ability to deliver a competent technical presentation.

Syllabus summary:The impact of the air or water environment on engineering projects or the implications of construction or industrial processes on the atmosphere or the ocean need to be assessed with a knowledge of the fundamental processes governing the hydrosphere. Topics include historical review of the important physical concepts. The equations of fluid mechanics and the simplifications for a rotating earth. The routine collection of data. Numerical models. Forecasting. Abstract preparation. Formal presentation techniques.

Textbooks

Wells, N., The Atmosphere & Ocean, Taylor & Francis, 1997.
Hasse, L. and F. Dobson, Introductory Physics of the Atmosphere and Ocean, D.
Reidel Publishing Co., Holland, 1986.
Stommel, H., A View of the Sea. A Discussion Between a Chief Engineer and an
Oceanographer about the Machinery of the Ocean Circulation, Princeton
University Press, 1987.
Jones, I.S.F. and J.E. Jones, Oceanography in the Days of Sail, Hale & Iremonger,
Sydney, 1992.

CIVL5657
Advanced Coastal Engineering
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr. Janet Frandsen **Session:** Semester 2 **Classes:** 2-hr lecture per week **Assessment:** One (1) review assignment (20%); Five (5) Quizzes through WebCT (10%); One (1) design assignment (20%); Final examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

Objectives:

This unit will introduce students the basic ocean wave theories, wave deformation, long wave theories, generation of ocean waves, wave marker theory, wave spectra, design of coastal structures, coastal sediment transport, shore protection, marine geotechnics, coastal modeling and coastal management.

Outcomes:

After students complete the course, they will have a deep understanding of the basic principles of coastal engineering, and their

application to practical coastal engineering problems. More specifically, they will be able to:

oEstimate the wave characteristics in marine environments;

oDesign a coastal structures,

oDesign and manage a coastal engineering project.

Syllabus Summary

oGeneration of ocean waves (1 week): Characteristics of ocean waves & tidal waves, generation of ocean waves, forecasting of waves.

oBasic ocean wave theories (2 weeks): Linear and nonlinear wave theories, long wave theories, engineering properties of ocean waves, wave deformations (reflection, refraction and diffraction).

oWave statistics and spectra (1 week): Wave spectra, time-series simulation, short-term and long-term prediction of ocean waves, and irregular wave theories.

oWave marker theory & physical modeling (1 week): Wave marker theories, physical modelling technique and field measurements.

oCoastal sediment transport (2 weeks): Wave boundary layer theory, cross-shore and onshore sediment transport, scour around coastal structures

oMarine geotechnics (1 week): Wave-seabed-structure interaction, design of foundations around coastal structures.

oDesign of coastal structures (3 weeks): Wave force acting on structures, risk analysis, design of vertical breakwaters and rubble mound breakwaters.

oCoastal modeling (1 week): review of existing coastal models, including ocean wave models, hydrodynamic models, and numerical simulation near-shore.

oCoastal management (1 week): beach nourishment, management of coastal lands, and waters.

CIVL5660
Sustainable Ocean Energy Resources
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr. Timothy Finnigan, School of Civil Engineering e-mail: t.finnigan@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2-hr lecture per week, On-line teaching model through WebCT **Assessment:** Two (2) problem assignments (40%) Five (5) Quizzes through WebCT (10%) Final examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

This unit will introduce students to the topic of sustainable ocean energy resources. The course will provide an understanding of the principles of sustainability and the development of renewable energy resources in the ocean environment. Various energy sources will be covered including offshore wind energy, wave energy, tidal stream and marine current energy, thermal gradient energy, and salinity gradient energy. The latest developments around the world will be discussed and used as examples. Economics, socio-political issues, and implications for the environment will be discussed. Outcomes:

After students complete the course, they will have a sound knowledge of the available sustainable energy in the ocean environment and various means for its utilisation. A working knowledge of the basic concepts of energy conversion and delivery will be gained. The student will become familiar with the ocean energy industry, its potential growth, problems and issues. At the completion of the course, the student will be able to participate in the renewable energy industry and to apply various engineering principles in decision-making concerning sustainable energy development.

Syllabus Summary

Introduction (1 week): Course overview, relevance of course subject, sustainable development and renewable energy, introduction to ocean energy.

The ocean environment (1 week): Introduction to ocean systems and dynamics, environmental sensitivities, engineering issues.

Energy and Power (1 week): Development of the analytical tools for evaluation of energy and power potential, statistical methods, data analysis and interpretation, methods of measuring ocean energy.

Offshore wind energy Resource (1 week): The atmospheric boundary layer, sources of wind, wind power, site evaluation, wind statistics, engineering issues, technologies, global resources.

Offshore wind energy Industry (1 week): The history of wind energy, the migration offshore, recent growth and development, existing projects.

Wave energy Resources (1 week): Review of wave mechanics, wave energy and power, extraction potential, hydrodynamic energy conversion, technologies, global resources.

Wave energy Industry (1 week): Wave energy industry and research, industry development, existing projects, engineering issues, potential growth.

Tidal energy Resource (1 week): Tidal dynamics, topographic effects, time-variability, prediction, extraction potential, global resources.

Tidal energy Industry (1 week): Tidal energy industry and research, history and development, existing projects, future development, engineering issues, potential.

Thermal gradient and salinity gradient energy (1 week): Technology, extraction potential, engineering issues.

Economics of ocean energy (1 week): Methods for estimating unit costs for ocean energy systems, potential for cost improvements, the implications of cost, markets and drivers, MRETs and carbon credits.

Social and political issues (1 week): Discussion of various roadblocks to ocean energy development, public and private drivers for development, the Kyoto protocol and global political issues, future scenarios.

Textbooks
McCormack, M.: Wave Energy Conversion
Falnes, J.: Ocean Waves and Oscillating Systems
Wind energy reference: TBA
Tidal Energy reference: TBA

CIVL5663
Wind Tunnel Test Techniques
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Graeme Wood **Session:** Semester 1 **Classes:** 2 hour lecture/laboratory session per week **Assessment:** 3 assignments (60%), final exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

Objectives: This unit of study will investigate wind tunnel testing and analysis techniques.

Outcomes: On completion of this course students will have an understanding of the available testing and analysis techniques for civil engineering applications.

Syllabus summary:

Principles of fluid modelling (2 weeks): Introduction, scaling, similarity requirements, history and types of wind tunnel, blockage effects.

Velocity measurements (1 week): Anemometers, Pitot-static tube, hot wire, Irwin probes, etc.

Environmental wind tunnel testing (1 week): Theory and scaling requirements, analysis techniques, and expected outcomes.

Environmental wind tunnel testing (1 week): Laboratory session.

Pressure testing (1 week): Theory and scaling requirements, experimental apparatus: transducers and tubing, analysis techniques, and expected outcomes.

Pressure testing (1 week): Laboratory session.

Force/moment/torque testing (2 weeks): Theory and scaling requirements, experimental apparatus: strain gauges, base balance, torque sensors, analysis techniques, and expected outcomes.

Force/moment testing (1 week): Laboratory session.

Aeroelastic testing (1 week): Theory and scaling requirements, experimental apparatus: stick models, BHA, bridge models, multi-degree-of-freedom, analysis techniques, and expected outcomes.

Aeroelastic testing (1 week): Laboratory session.

Other modelling techniques (1 week): Pollution dispersal, topographical studies, CFD.

CIVL5664
Mixing in the Marine Environment
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Prof Ian Jones I.Jones@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial each week **Assessment:** Assignments and 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Env Sc), M E S, M E S (Envir Fluid), M E S (Fluid Wind), M E S (Geotech), M E S (Struct).

Objectives: To introduce the physics of mixing in the ocean of pollutants. To provide access to data needed for design.

Outcomes: Competency in engineering aspects of disposal of pollutants in the ocean.

Syllabus summary: Turbulent diffusion, dilution advection. Wind mixing and ocean stratification. Ocean outfalls. Ocean dumping. Coastal cooling water systems. Ocean Nourishment.

Textbooks
Fisher, Hugo B., E.John List, Robert C.Y. Koh, Jorg Imberger, Norman H. Brooks, Mixing in Inland and Coastal Waters, Academic Press, (1979).
Csanady, C T (1972) Turbulent Diffusion in the Environment. D Reidel, pp.248.

CIVL5665
Advanced Water Resources Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr L Apperley L.Apperley@civil.usyd.edu.au **Session:** Semester 1 **Classes:** 2 hour lecture each week. **Assessment:** One 3-hour exam covering the entire syllabus at the end of the semester. Satisfactory performance in class assessments is also a requirement. Marks will be allocated as follows: Examination 40%, Class Assessment: 1 quiz - 25%, 1 major assignment: 25%, Tutorials: 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Env Sc), M E S, M E S (Envir Fluid), M E S (Fluid Wind), M E S (Geotech), M E S (Struct).

Objectives:

To develop an understanding of:

Assessment methods for describing water quality

Physical, biological and chemical treatment methods for wastewater

Water storage and distribution systems

Management principles for water resources

Irrigation demands

Desalination methods and appropriate applications

Wastewater reuse

Stormwater harvesting

Environmental considerations for water catchment areas

Water conservation principles

Outcomes:

By the end of the course the student will be able to:

Describe water characteristics and properties relating to water quality

Design wastewater treatment systems using various physical, chemical and biological treatment methods.

Identify modern wastewater treatment goals and describe techniques to achieve these goals.

Determine pollutant concentrations and decay in rivers and streams.

List various mechanisms of dispersion and decay of pollutants in the ocean.

Calculate pollutant concentrations near ocean outfalls

Describe water supply options for large urban areas

Design multi-node water distribution networks

Describe water conservation methods and management principles for water reuse

Discuss the use of dual reticulation systems for urban area

Textbooks
Texts & references: Environmental Engineering Peavy, Rowe & Tchobanoglous (Other references will be advised in class)

CIVL5853
Seminar
Engineering and Information Technologies

Credit points: 2 **Teacher/Coordinator:** all staff **Session:** Semester 1, Semester 2 **Classes:** no regular classes **Assessment:** presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, M E S.

CIVL5901
Civil Engineering Project 1
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** All staff **Session:** Semester 1, Semester 2, Summer Main **Assessment:** Writing a project thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, M E S, PG Summer/Winter School.

Involves carrying out some original research work on a topic. The results of the research are reported in a project thesis. This can be combined with CIVL5902, to form a 12 credit point research project. (Summer semester available in Environmental field only.)

CIVL5902
Civil Engineering Project 2
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** all staff **Session:** Semester 1, Semester 2 **Corequisites:** CIVL5901 **Assessment:** Writing a project thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, M E S, PG Summer/Winter School.

This Unit is associated with the following Civil Engineering courses: MES, MES StructsFound., MES FluidWind, MES Structs, MES Geotech., MES EnvirFluid, DIP Structs, DIP Geotech., DIP StructsFound., CERT GGM.

Can be combined with CIVL5901 to form a 12 credit point research project (see CIVL5901).

(Summer semester available in Environmental field only.)

CIVL5903
Major Project A
Engineering and Information Technologies

Credit points: 12 **Teacher/Coordinator:** all staff **Session:** Semester 1, Semester 2 **Assessment:** Writing a project thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, M E S.

This Unit is associated with the following Civil Engineering courses: MES, MES StructsFound., MES FluidWind, MES Structs, MES Geotech., MES EnvirFluid, DIP Structs, DIP Geotech., DIP StructsFound., CERT GGM.

It involves carrying out original research work on a chosen topic at a more advanced level than is required for the 6 credit point Project. The work can be combined with CIVL5904 to form a 24 credit point Project.

CIVL5904
Major Project B
Engineering and Information Technologies

Credit points: 12 **Teacher/Coordinator:** all staff **Session:** Semester 1, Semester 2 **Corequisites:** CIVL5903 **Assessment:** Writing a project thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, M E S.

This Unit is associated with the following Civil Engineering courses: MES, MES StructsFound., MES FluidWind, MES Structs, MES Geotech., MES EnvirFluid, DIP Structs, DIP Geotech., DIP StructsFound., CERT GGM.

It can be combined with CIVL5903 to form a 24 credit point Project (see CIVL5903).

CLAW5001
Legal Environment of Business
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops (Summer session: Two three hour classes per week which may include one or more of the following: lectures; seminars; tutorials or w **Assessment:** Mid-semester exam; Major assignment and presentation; Class performance; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, M Bus, M Com, M P Acc, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange, PG Summer/Winter School.

This unit is concerned with the legal environment in which businesses operate. Essential principles of business law are introduced to lay a foundation for the study of more advanced business law units. The unit begins with an introduction to the Australian legal system and then focuses on the fundamental principles of the law of contract, tort and relevant legislation. Topics dealt with in contract law include formation of contracts, terms, factors affecting the validity and enforcement of contracts, terminating contracts and remedies for breach of contract. Basic elements of the law of torts, in particular negligent misrepresentation and including torts involving unlawful interference with business are also examined. The unit concludes with an overview of key statutory provisions that impact on the common law.

CLAW6002
Corporations Law
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Early **Classes:** One three hour class per week which may include one or more of the following: lectures; seminars; tutorials or workshops Summer session: Two three hour classes per which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW5001 **Assessment:** Test; Assignment; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com, M P Acc, PG Coursework Exchange, PG Summer/Winter School.

This unit examines the law relating to modern corporations. After examining the background to the present legislation and administrative framework, the topics discussed include: the concept of corporate personality; business planning and company formation; how companies are managed; the role of members; the obligations of directors; company reporting and disclosure; company finance; contracting by companies and corporate liability; and an introduction to the external administration of companies in financial difficulty.

CLAW6007
Issues in Law and International Business
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW5001 **Assessment:** Mid-semester examination; Individual/group assignment; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

Globalisation enables successful businesses to tap into the international economy to find new and bigger markets for their goods and services. Entering the global marketplace also means greater risk, as businesses deal with new customers, and are forced to operate in unfamiliar legal environments where the "normal" rules of business often don't apply. This unit is aimed at providing students with an understanding of how the global economy is regulated (if at all), and to provide the tools needed to use international business law to minimise the risks of doing business in the global economy. Questions the unit addresses include: What is international business law and what do I need to know?; What institutions ensure a level playing field for my business?; How do I make an agreement to sell my goods to foreign customers?; How do I protect those goods in transit?; How do I ensure payment for goods and services I provide?; How do I build a presence in a foreign market through local agents and distributors?; What considerations apply to entering and borrowing from foreign capital markets?; How can I safely do business online in the global virtual economy?; What if things go wrong?; and How do I fight foreign disputes by my rules and in my court?

CLAW6008
Legal Entities for Small Business
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Assessment:** Class participation, Quiz, Essay, Final Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, PG Coursework Exchange.

Operators of small businesses need to be aware of the different forms through which they can run their business. This unit covers the different forms. The unit covers corporations, partnerships, sole traders, trusts and unincorporated associations. The legal requirements of these entities are taught and a comparison of the different entities leads to the ability to select the appropriate entity for a given business. An introduction to legal reasoning and research is provided at the start of the unit so that all students are competent to study the unit.

CLAW6026
Concepts of Australian Taxation
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Early **Classes:** One 3 hour class per week which may nclude one or more of the following: lectures; seminars; tutorials or workshops. Summer session: Two 3 hour classes per week May which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW5001 **Prohibitions:** CLAW5002 **Assessment:** Mid-semester exam; Major assignment; Class performance; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com (Hons), PG Coursework Exchange, PG Summer/Winter School.

The purpose of this unit is to cover the main concepts of taxation such as income, deductions, tax accounting, residence and source capital gains tax, depreciation and trading stock, taxation of partnerships trusts and companies, international tax and tax avoidance. This unit has professional recognition and is the gateway unit for CLAW6001 Business Tax Planning, as well as many taxation units offered by the Law School.

CLAW7001
Business Law Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required across the 4 units for the pass degree major **Assessment:** Since the thesis is the only component of the unit of study, it would be double marked by members of the discipline. Conceptual clarity, depth and completeness of research, and originality of approach and conclusions would have approximately equal weight in determining the final mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

CLAW7002
Business Law Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required across the 4 units for the pass degree major **Corequisites:** CLAW7001 **Assessment:** Since the thesis is the only component of the unit of study, it would be double marked by members of the discipline. Conceptual clarity, depth and completeness of research, and originality of approach and conclusions would have approximately equal weight in determining the final

mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

CLAW7011
Taxation Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required across the 4 units for the pass degree major **Assessment:** Since the thesis is the only component of the unit of study, it would be double marked by members of the discipline. Conceptual clarity, depth and completeness of research, and originality of approach and conclusions would have approximately equal weight in determining the final mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

CLAW7012
Taxation Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required across the 4 units for the pass degree major **Assessment:** Since the thesis is the only component of the unit of study, it would be double marked by members of the discipline. Conceptual clarity, depth and completeness of research, and originality of approach and conclusions would have approximately equal weight in determining the final mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

CLIN5013
Illness, Experience and Embodiment
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Offered in the flexible mode.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit of study is concerned with ways in which experiences of illness, (di)stress and recovery can be understood from the subjective perspective(s) of the patient/client and the people who are closely associated with them. The major emphasis is on the meaning world of others and its influence on responses to illness and (di)stress. While this unit of study is not a methodology unit of study per se, it provides theoretical, methodological and clinical background for conducting interpersonally-oriented research projects in clinical practice.

CLIN5021
Reading Topic
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Distance Education **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

The reading topic provides students with the opportunity to examine the literature on a defined topic of their choice. Enrolment in this unit requires the permission of the Head of Department, who will appoint an appropriate supervisor, in consultation with the student. The student is expected to pursue their investigation as an independent scholar under the guidance of their supervisor and to prepare a scholarly paper as a result of their investigation of the literature.

CLIN5033
Nursing Services Management in Health
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Report, Examination, Online Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Offered by distance education only.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert H S M, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, G.

This unit is a critical analysis of the context and theoretical underpinnings of health services and models of delivery. Students will analyse and evaluate the influence of policy issues, contemporary models of health care and care delivery, socio-political changes, and scientific and technological advances on the delivery and management of nursing services.

CLIN5034
Human Resources Management in Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** no on campus attendance, online and distance learning only **Assessment:** Two essays, Online Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Offered by distance education only.

Associated degrees: M N, PG Coursework Exchange.

In this unit students will analyse the evolution of organisational theory and environment (climate and culture) in the context of structuring and managing workplace relations. This unit is designed to integrate broader management principles and resourcing issues to create the opportunity to critically examine the impact of contemporary industrial relations and human resource management frameworks on workplace relations and employee experiences. The concept of strategic human resources management, human resources planning, training and development and leadership will be analysed. Comparisons between human resource processes and workplace relations in health care and other industries will be made.

CLIN5042
History of Ideas in Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode, residential schools **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Offered by distance education only.

Associated degrees: M N, PG Coursework Exchange.

The origins of nursing as an occupation and practice discipline will be explored with particular reference to the political, industrial, and scholarly debates and assumptions surrounding the nature of knowledge and knowledge making in nursing and health care. Trends and influences that have shaped, and continue to shape nursing knowledge and practice patterns will be explored and possible futures discussed. Of particular interest will be the impact of postmodernism, the increasing use of technology in health care and new forms of information gathering and usage.

CMPN5001
Principal Study (Composition) 1
Sydney Conservatorium of Music

Credit points: 16 **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/wk **Assessment:** No assessment at the end of the first three semesters;

at the end of the 4th semester: folio of composition (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), PG Coursework Exchange.

Under the guidance of a supervisor, students will research and complete a substantial body of original compositions. Students enrolling in this series of units will normally make one public presentation of their work every two semesters. A wide variety of areas may be explored, from opera to audio-visual composition and a wide variety of resources used, from live electronics to actors and theatrical devices. For further information contact the Chair of Unit.

CMPN5002
Principal Study (Composition) 2
Sydney Conservatorium of Music

Credit points: 16 **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/wk **Prerequisites:** CMPN5001 Principal Study (Composition) 1 **Assessment:** No assessment at the end of the first three semesters **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), PG Coursework Exchange.

Under the guidance of a supervisor, students will research and complete a substantial body of original compositions. Students enrolling in this series of units will normally make one public presentation of their work every two semesters. A wide variety of areas may be explored, from opera to audio-visual composition and a wide variety of resources used, from live electronics to actors and theatrical devices. For further information contact the Chair of Unit.

CMPN5003
Microphones and Studio Fundamentals
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week lectures and studio/practical work **Assessment:** Stereo techniques (40%), Reverb assignment (20%), Exam (30%), Attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Mus (Cr Sound Prod), Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit provides students with an understanding of fundamental concepts necessary for working in contemporary recording environments. The unit includes an in-depth look at microphone techniques, microphone placement and stereo microphone techniques and emphasises sound capture and gain structure as a critical foundation for good recording technique. Students explore acoustics, transducers, theories of sound, and hearing and psychoacoustics as it relates to recording technique and production. Other areas covered in this unit include basic analogue and digital audio systems, signal processing, digital theory and basic studio design and operation. Hands on practical work will reinforce the theoretical aspects of this unit.

CMPN5004
Multi-track Production Techniques
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1 **Classes:** 3 hrs per week lectures and Studio/Lab **Assessment:** Recording assignment (30%), Multi-tracking assignment (35%), Mixing assignment (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Mus (Cr Sound Prod), Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit includes an in-depth exploration of multi-tracking techniques, mixing and basic principles of mastering. The unit focuses on recording and production techniques for digital audio workstation environments across a range of specific musical genres. Students examine and analyse the structure of mixes and develop critical listening skills through practical exercises and aural training. Students explore analogue and digital mixing consoles as well as control surfaces and alternative interfaces. Hands on practical work will reinforce the theoretical aspects of this unit.

CMPN5005
Production Processes and Aesthetics
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1 **Classes:** 3 hrs per week **Assessment:** Written Assignment/Essay 40%, Presentation 40%, Critical Listening/Analysis assignment 20% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Mus (Cr Sound Prod), Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit examines the historical and intellectual context of the medium of sound production. Students explore notions of performance production and investigate various philosophies associated with a range of different production modes. Emphasis is placed on topical issues and current trends, copyright, ethics, business aspects and how technological developments impact on the music making process. The unit focuses on a creative approach to sound production, explores listening modes and examines the flexible application of skills to a rapidly changing production environment.

CMPN5006
Recording Portfolio 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1, Semester 2 **Classes:** Workshops, Equivalent 6-10 hours per week of recording projects, consultations with Supervisor. **Assessment:** Recording projects and class presentation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Mus (Cr Sound Prod), Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit provides a practical introduction to recording projects. Aspects of creative production are examined alongside project planning, management and the professional delivery of master recordings to appropriate standards. The student, in consultation with their supervisor, will devise a program of practical recording projects. This program will integrate into the existing musical activities that occur at the Conservatorium and as such the hours will be flexible and may include, evening and weekend projects. In addition students will be required to attend and participate in a number of seminars/workshops.

CMPN5007
Spatial Audio and Sound Track
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 2 **Classes:** 3 Hours per week **Assessment:** Project 1 - Surround recording project (Capture philosophy) 50%, Project 2 - Multi-channel Mixing Project (Constructing space) 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit provides an introduction to surround sound recording and mixing in live, multi-track and audio-visual production contexts. The theory and practice of surround sound recording and reproduction is examined in the context of human sound perception. Areas to be examined include surround sound capture, surround microphone technique, multi-track surround mixing utilising digital audio workstations, synchronisation with video and surround mastering to professional output formats.

CMPN5008
Recording Portfolio 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1, Semester 2 **Classes:** Workshops, equivalent 6 - 10 hours per week, recording projects, consultations with supervisor. **Assessment:** Recording portfolio and presentation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit builds upon Recording Portfolio 1, and focuses on creative production and project management in relation to larger instrumental resources. Aspects of creative production are examined alongside project planning, management and the professional delivery of master recordings to appropriate standards. The unit will consist of a number of intensive workshops in which students will be required to participate. The student, in consultation with their supervisor, will devise a diverse program of practical recording projects which will form their portfolio. This program will integrate into the existing musical activities at the Conservatorium and as such the hours will be flexible and may include eveing and weekend projects.

CMPN5010
Industry Placement
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1, Semester 2 **Classes:** Equivalent hours industry placement up to 24 hours per week over 6 weeks (12 hours a week over 12 weeks), depending on industry placement. The industry placement program will be negotiated with each outside industry partner. **Assessment:** 3000-5000 word Journal 30%, Report 30%, Presentation 40% . **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit requires students to undertake an industry placement, which will provide the opportunity to experience professional practice and to observe how the skills and knowledge acquired in the degree are applied in the workplace. Students gain a critical awareness of, and facility with the application of theoretical concepts to practical situations in addition to developing interpersonal skills appropriate to a professional context. Students experience work practices in a team based production environment and learn how to interact with clients and work within a variety of resource and time constraints.

CMPN5011
Recording Portfolio 3
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** J. Bassett **Session:** Semester 1, Semester 2 **Classes:** Workshops, Equivalent 6-10 hours per week recording projects, Consultations with Supervisor **Prerequisites:** CMPN5006 Recording Portfolio 1 **Assessment:** Recording Portfolio and Presentation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Cr Sound Prod), M Mus Stud (Cr Sound Prod), PG Coursework Exchange.

This unit builds upon previous Recording Portfolio units of study. The student, in consultation with their supervisor, will devise a program of recording projects with an opportunity for intensive focus and specialisation in a chosen area of recording practice. This program will integrate into the existing musical activities that occur at the conservatorium and as such the hours will be flexible and may include, evening and weekend projects. In addition students will be required to attend and participate in a number of seminars/workshops.

CMPN6002
Composition Thesis
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** Individual supervision to be advised. **Assessment:** 15000w (minimum) thesis (or some other form of presentation of original research) on a topic, usually associated with the student's composition work (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition).

Development of a thesis associated with the candidate's composition portfolio. For further information contact the Chair (Composition and Music Technology).

CMPN6003
Principal Study (Composition) 3
Sydney Conservatorium of Music

Credit points: 16 **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/wk **Prerequisites:** CMPN5002 Principal Study (Composition) 2 **Assessment:** No assessment at the end of the first three semesters **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), PG Coursework Exchange.

Under the guidance of a supervisor, students will research and complete a substantial body of original compositions. Students enrolling in this series of units will normally make one public presentation of their work every two semesters. A wide variety of areas may be explored, from opera to audio-visual composition and a wide variety of resources used, from live electronics to actors and theatrical devices. For further information contact the Chair of Unit.

CMPN6004
Principal Study (Composition) 4
Sydney Conservatorium of Music

Credit points: 16 **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/wk **Prerequisites:** CMPN6003 Principal Study (Composition) 3 **Assessment:** Submission of a folio of compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), PG Coursework Exchange.

Under the guidance of a supervisor, students will research and complete a substantial body of original compositions. Students enrolling in this series of units will normally make one public presentation of their work every two semesters. A wide variety of areas may be explored, from opera to audio-visual composition and a wide variety of resources used, from live electronics to actors and theatrical devices. For further information contact the Chair of Unit.

CMPN6005
Postgraduate Music Technology
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Dr A. Hood **Session:** Semester 1 **Classes:** 2hr lab/studio class/wk **Prerequisites:** MCGY5000 Introduction to Research Methods **Assessment:** Seminar presentation (40%), project (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), PG Coursework Exchange.

This seminar unit will explore some technologies useful to composers through the presentation of seminars and the composing of an electroacoustic/multimedia piece. During the semester, students will learn to use studio and computer-based music and multimedia technology to assist in the composition process, compose an electroacoustic sound work using new or unfamiliar technologies, and broaden their knowledge of the recent electroacoustic repertoire.

COMP5028
Object-Oriented Analysis and Design
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Comp, Grad Dip I T, Grad Dip Inf Tech Man, M Inf Tech, M Inf Tech Man, M M Des.

This unit introduces Object-Oriented Analysis and Design especially the principles of modelling through Rational Unified Process and agile processes using Unified Modeling Language (UML), both of which are industry standard. Students work in small groups to experience the process of object-oriented analysis, architectural design, object-oriented design, implementation and testing by building a real-world application.

Objectives: In this unit students will develop the ability to: identify how the system interacts with its environment; identify appropriate objects and their attributes and methods; identify the relationships between objects; write the interfaces of each object and exception handling; implement and test the objects; read and write various UML diagrams (use case, activity, class, object, sequence, collaboration, state chart, component and deployment diagrams).

COMP5114
Digital Media Fundamentals
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Comp, Grad Dip I T, Grad Dip Inf Tech Man, M E S (Auto Manuf Sys), M Inf Tech, M Inf Tech Man, M M Des, PG Coursework Exchange.

This unit provides an overview of processing digital media which include text, audio, pictorial data and video. It introduces various processing techniques and standards, and presents some applications.

Objectives: The unit covers Multimedia Primer; Text Processing which includes text parsing, text summarization, text manipulation, text index and retrieval, and surrogate coding; Audio Data Processing which includes audio attribute, audio masking, MP3 audio, audio manipulation and audio segmentation; pictorial data processing which includes still image processing, multi-modal image processing and artificial image processing; video data processing which includes active image processing, video segmentation, motion analysis, moving object extraction, video representation and codification.

COMP5116
Internet Protocols
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assessment:** Assignments, written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Comp, Grad Dip I T, Grad Dip Inf Tech Man, M E S (Net Eng), M Inf Tech, M Inf Tech Man, M M Des.

In this unit students will develop the ability to gain in depth knowledge of the structure and algorithms used in the TCP/IP networking protocols that make up the foundation of the Internet. Furthermore, the unit will provide students with the architectural insight to being able to design and analyse protocols in the perspective of their intended use.

Objectives: On completion of this unit students will develop an understanding on the layered model, the core protocols, the routing protocols, the link layer and the various tools for traffic and protocol analysis.

COMP5138
Relational Database Management Systems
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** COMP5015 **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M, B Hlth Sci, M Rehab Clng, Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip I T, Grad Dip Inf Tech Man, M H I, M H I (Hons), M Inf Tech, M Inf Tech Man, PG Summer/Winter School.

This unit of study will provide a comprehensive conceptual and practical introduction to managing large relational databases. Relational and normalization theory will be emphasized along with a focus on relational query language (SQL).

Objectives: In this unit students will develop the ability to:

- Understand the foundations of database management;

- Strengthen their theoretical knowledge of database systems in general and relational data model and systems in particular;

- Create robust relational database designs;

- Understand the theory and applications of relational query processing and optimization;

- Study the critical issues in data and database administration;

- Explore the key emerging topics in database management.

COMP5206
Introduction to Information Systems
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** INFO5210 **Assessment:** Assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Comp, Grad Dip I T, Grad Dip Inf Tech Man, M E S (Auto Manuf Sys), M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M Inf Tech, M Inf Tech Man, M M Des.

This unit provides an introduction to information systems in organisations and the role of database management. It introduces the fundamentals of database management, along with the modeling and analysis that is needed for designing and implementing database solutions. The unit also introduces a database query language.

Objectives: On completion of this unit students will be able to develop an understanding of the role of information systems in organisations, and the value of data and information to organisations. Students will also develop skills in creating database solutions, capturing user requirements, and building process and data models.

COMP5211
Algorithms
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lectures and one 1 hour tutorial per week. **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comp, M M Des, PG Coursework Exchange.

The study of algorithms is a fundamental aspect of computing. This unit of study covers data structures, algorithms, and gives an overview of the main ways of thinking used in IT from simple list manipulation and data format conversion, up to shortest paths and cycle detection in graphs. The objective of the unit are to teach basic concepts in data structure, algorithm, dynamic programming and program analysis. Students will gain essential knowledge in computer science.

COMP5212
Software Construction
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** Students cannot enrol until they have completed at least 12 cp of study in the Graduate Diploma in Computing, including COMP5214 Software Development in Java. **Assessment:** Assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comp, M M Des, PG Coursework Exchange.

This is a programming unit of study focusing on the C language, with emphasis on the individual producing code that works correctly. Topics include: the memory model, and errors associated with that (including pointers, malloc/free, sizeof, stack vs heap); coding simple dynamic data structures (linked lists, binary trees); debugging; threads, and errors associated with them; use of Unix tools for managing programming activities such as testing; learning from manual entries for standard library functions and Unix commands.

Objectives: On completion of this unit students will have acquired programming skills and techniques applicable to the development of software used in areas such as networking, computer engineering, language translation, and operating systems.

COMP5213
Computer and Network Organisation
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Bioinformatics), Grad Cert Inf Tech Man, Grad Dip Comp, Grad Dip Inf Tech Man, M Inf Tech Man, M M Des, PG Coursework Exchange.

This unit of study provides an overview of hardware and system software infrastructure including: compilers, operating systems, device drivers, network protocols, etc. It also includes user-level Unix skills and network usability. The objectives are to ensure that on completion of this unit students will have developed an understanding of compilers, operating systems, device drivers, network protocols, Unix skills and network usability.

COMP5214
Software Development in Java
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Bioinformatics), Grad Dip Comp, M M Des, PG Coursework Exchange.

This unit of study introduces software development methods, where the main emphasis is on careful adherence to a process. It includes design methodology, quality assurance, group work, version control, and documentation. It will suit students who do not come from a programming background, but who want to learn the basics of computer software.

Objectives: This unit of study covers systems analysis, a design methodology, quality assurance, group collaboration, version control, software delivery and system documentation.

COMP5318
Knowledge, Discovery and Data Mining
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** (Lec 2hrs & Prac 1hr) per week **Assumed knowledge:** COMP5138 and familiarity with basic statistics **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip App Sc (M B T), Grad Dip I T, M Inf Tech, PG Coursework Exchange.

Knowledge discovery is the process of extracting useful knowledge from data. Data mining is a discipline within knowledge discovery that seeks to facilitate the exploration and analysis of large quantities of data, by automatic or semiautomatic means. This subject provides a practical and technical introduction to knowledge discovery and data mining.

Objectives: Topics to be covered include problems of data analysis in databases, discovering patterns in the data, and knowledge interpretation, extraction and visualisation. Also covered are analysis, comparison and usage of various types of machine learning techniques and statistical techniques: clustering, classification, prediction, estimation, affinity grouping, description and scientific visualisation.

COMP5338
Advanced Data Models
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** (Lec 2hrs & Prac 1hr) per week **Assumed knowledge:** COMP5138 or equivalent **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech.

This course will offer a comprehensive survey of post-relational data models and technologies with significant emphasis on spatial, temporal, streaming and XML data types. An overview of OLAP technologies to carry out complex data analysis will also be provided. The important challenges in managing the complex and varied data in modern database environments will be specifically addressed.

COMP5347
e-Commerce Technology
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** COMP5028 Object Oriented Analysis and Design **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip App Sc (M B T), Grad Dip I T, M E S (Manuf Com Bus Man), M Inf Tech, PG Coursework Exchange.

This unit will focus on technological advances supporting the development of e-commerce applications and systems. This includes server-side development of e-business applications, methodologies and practices for the development of web-applications, J2EE/Java-based support for front-end development, XML processing, and database integration, as well as web services development (SOAP, WSDL, UDDI) and handheld wireless integration.

COMP5348
Enterprise Scale Software Development
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 1hr) per week **Assumed knowledge:** INFO3220 or equivalent **Assessment:** Assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech.

This unit covers a range of approaches and technologies used for constructing large-scale 'enterprise' computer systems. These systems handle critical business processes for large companies and other organisations and so have to be highly reliable, available and scalable. This class of applications are almost always built up from smaller application components, incorporating existing "legacy" code and data stores as well as new code written using new technologies. Constructing, testing and deploying such large, complex systems is a difficult task, and is only achieved through the adoption and use of rigorous software engineering and project control methodologies.

COMP5415
Multimedia Authoring and Production
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** COMP5114 Digital Media Fundamentals **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech, PG Coursework Exchange.

This unit provides fundamentals on multimedia authoring and production. It focuses on multimedia animation and authoring and introduces some multimedia authoring packages. The students will get a great exposure to the software authoring package Alice. It will study the applications of multimedia authoring in the areas of tele-medicine, progressive animation, multi-casting, and distance learning.

COMP5416
Advanced Network Technologies
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 1hr) per week **Assumed knowledge:** ELEC3506 or equivalent **Assessment:** Assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech.

The unit introduces networking concepts beyond the best effort service of the core TCP/IP protocol suite. Understanding of the fundamental issues in building an integrated multi-service network for global Internet services, taking into account service objectives, application characteristics and needs and network mechanisms will be discussed. Enables students to understand the core issues and be aware of proposed solutions so they can actively follow and participate in the development of the Internet beyond the basic bit transport service.

COMP5424
Information Technology in Biomedicine

Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Tut 1hr) per week **Assumed knowledge:** Basic programming skills **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech.

Information technology (IT) has significantly contributed to the research and practice of medicine, biology and health care. The IT field is growing enormously in scope with biomedicine taking a lead role in utilizing the evolving applications to its best advantage. The goal of this unit is to provide students with the necessary knowledge to understand the information technology in biomedicine. The major emphasis will be on the principles associated with biomedical digital imaging systems and their applications, computer modeling of biomedical systems, and biomedical system identification. Specialist areas such as medical image compression, telemedicine, Picture Archiving and Communication System (PACS), and web technology in biomedicine etc. will also be addressed.

COMP5425
Multimedia Storage, Retrieval & Delivery
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** One 2-hour lecture and 1 1hour prac per week. **Assumed knowledge:** Algorithms (equivalent to COMP5211). **Assessment:** Assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech.

The unit covers Multimedia Storage and Compression, fundamental compression techniques, audio storage and compression, image storage and compression (JPEG, JBIG and JPEG2000), video storage and compression (MPEG, MPEG1, MPEG2, MPEG4 and MPEG7), Multimedia Information Retrieval information retrieval fundamentals, visual information retrieval, video cataloguing and retrieval issues of multimedia systems and delivery image watermarking, video watermarking, video encryption, future HCI, progressive transmitted images and video, multicasting control, immersive video for future digital TV.

COMP5426
Network Based High Performance Computing
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 1hr) per week. **Assumed knowledge:** Equivalent of COMP5116 **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), B Psych (Hons), B Sc (Hons), Grad Cert I T, Grad Dip I T, M E S (Net Eng), M Inf Tech.

This unit is intended to introduce and motivate the study of high performance computer systems. The student will be presented with the foundational concepts pertaining to the different types and classes of high performance computers. The student will be exposed to the description of the technological context of current high performance computer systems. Students will gain skills in evaluating, experimenting with, and optimizing the performance of high performance computers. The unit also provides students with the ability to undertake more advanced topics and courses on high performance computing.

COMP5702
IT Research Project A
Engineering and Information Technologies

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Eight hours of practical work per week. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Inf Tech, M Inf Tech Man.

Specialist/Elective/Project

COMP5703
Information Technology Project
Engineering and Information Technologies

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Eight hours of practical work per week. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Inf Tech Man, M Inf Tech, M Inf Tech Man.

Specialist/Elective/Project

COMP5704
IT Research Project B
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Four hours of practical work per week. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Inf Tech, M Inf Tech Man.

Specialist/Elective/Project

CONS5001
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5002
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5003
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5004
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5005
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5006
Conservatorium Exchange

Sydney Conservatorium of Music

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5007
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CONS5008
Conservatorium Exchange
Sydney Conservatorium of Music

Credit points: 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Mus (Perf), M Mus (Composition), M Mus (Mus Ed), M Mus (Musicology), M Mus (Performance), M Mus Stud (Cond), M Mus Stud (Opera), M Mus Stud (Perf).

CROP5013
Research Project A1 (Turf)
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1, Semester 2 **Corequisites:** CROP5014 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Agr Sc, Grad Dip Agr Sc (Turf Man), M Agr (Turf Man).

Candidates will conduct and report on a well-defined investigation into an area of interest in turf management.

CROP5014
Research Project A2 (Turf)
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Agr Sc, Grad Dip Agr Sc (Turf Man), M Agr (Turf Man).

See CROP5013

CSCD5018
Core Studies
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** 4 hr lectures and practicals/week on campus **Assessment:** Two mid and end of semester theory exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Basic introduction to human anatomy, physiology and neurophysiology underlying the body systems essential for production of speech, language and swallowing.

CSCD5019
Speech Pathology Practice (Introduction)
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** 2-3 hrs/week on-campus **Assessment:** Practical and written assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

An introduction to speech pathology practice with individuals with communication impairment in the on-campus clinic. Students will gain an understanding of communication and its components through various theoretical, experiential and practical activities. This unit of study is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD5020
Articulation and Phonology
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs/week on-campus **Assumed knowledge:** Ability to transcribe normal adult speech in broad phonetic transcription **Assessment:** Assignment, 2 exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Students will acquire an understanding of normal aspects of articulation and phonological development, the nature of phonological and articulatory impairments in children and techniques for assessment, analysis, diagnosis and intervention. This unit of study is a prerequisite for CSCD5027 Clinical Practice 1.

CSCD5021
Language 1
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 4-5 hrs/week on-campus **Assumed knowledge:** Understanding of basic linguistics, including grammatical analysis **Assessment:** Written assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Theoretical and applied knowledge in language development and disorders. This unit of study is a prerequisite for enrolment in CSCD5027 Clinical Practice 1.

CSCD5022
Specialist Studies 1
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6 hrs/week on campus **Assessment:** Progressive assessment, including viva and written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Assessment, diagnosis and management of specialist populations, including fluency and clients with complex communication needs. This unit of study is a prerequisite for enrolment in CSCD5027 Clinical Practice 1.

CSCD5023
Swallowing and Neurogenics 1
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** 5 hrs/week on campus **Prerequisites:** CSCD5018 Core Studies **Assessment:** 4 exams (25% ea), 1 MBS Barrier task **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Central and peripheral nervous system dysfunction and description assessment and intervention for paediatric feeding and adult swallowing disorders, as well as for neurological speech and language disorders. Introduction to aphasia. This unit of study is a prerequisite for CSCD5031 Clinical Practice 2, CSCD5032 Research Led Practice and CSCD5033 Applied Clinical Research.

CSCD5024
Language 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 5 hrs/week on campus **Assumed knowledge:** CSCD5020 Articulation and Phonology, CSCD5021 Language 1 **Assessment:** Written assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Assessment, diagnosis and management of language disorders in school age and other populations. This unit of study is assumed knowledge for CSCD5028 Specialist Studies 3.

CSCD5025
Specialist Studies 2
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** 4 hrs/week on campus **Assumed knowledge:** Anatomy of the head and neck, thorax and respiratory system **Assessment:** Progressive assessment, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Assessment, diagnosis and management of voice disorders. This unit of study is a prerequisite for CSCD5032 Research Led Pactice and CSCD5033 Applied Clinical Research.

CSCD5026
Professional Development 1
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** 2 hrs/week on campus **Assessment:** Progressive assessment and written exam. Critique (10%), reports (30%), assignment (60%), 2 Barrier tasks **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Issues relevant to speech pathology practice and service delivery. Includes study of professional ethics, relevant state and federal legislation and work place contexts. This unit of study is a prerequisite for CSCD5030 Professional Development 2 and CSCD5031 Clinical Practice 2.

CSCD5027
Clinical Practice 1
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Block mode or weekly placement on and off-campus depending on availability **Prerequisites:** CSCD5019 Speech Pathology Practice (Introduction), CSCD5020 Articulation and Phonology, CSCD5021 Language 1, CSCD5022 Specialist Studies 1 **Assessment:** Progressive competency based assessment **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Comm Dis, M S L P, PG Coursework Exchange, UG Study Abroad Program.

Clinical placement to develop clinical competencies related to client assessment and management, communication skills, report writing, case management and professional development. This unit of study is a prerequisite for CSCD5031 Clinical Practice 2.

CSCD5028
Specialist Studies 3
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** 4 hrs/week on campus **Assumed knowledge:** CSCD5021 Language 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2 **Assessment:** 1 x Assignment 40%, 1 x Assignment 20% and exam 40% **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric, CSCD5054 Clinical Practice 3 - Adult

Associated degrees: M S L P, M S L P (Hons), PG Coursework Exchange, UG Study Abroad Program.

Assessment, diagnosis and intervention of children and adults with complex speech and/or language problems, including those due to sensory, cognitive and developmental impairments.

CSCD5029
Neurogenics 2
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Christine Sheard **Session:** Semester 1 **Classes:** Block mode and 4 hrs/week on campus **Assumed knowledge:** CSCD5023 Swallowing and Neurogenics 1 **Assessment:** Written assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is a prerequisite for CSCD5032 Research Led Practice, CSCD5033 Applied Clinical Research, CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Associated degrees: M S L P, M S L P (Hons), PG Coursework Exchange, UG Study Abroad Program.

Assessment, diagnosis and management of acquired aphasia and related cognitive communication impairments from perspectives of impairment, disability and handicap (limitation, activity and health/participation).

CSCD5030
Professional Development 2
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** Block mode and 2 hrs/week on campus **Prerequisites:** CSCD5026 Professional Development 1 **Assessment:** Progressive assessment, written assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Associated degrees: M S L P, PG Coursework Exchange, UG Study Abroad Program.

Advanced issues in speech pathology practice including ethics, management of clients and services, government political and legal influences and professional self regulation.

CSCD5031
Clinical Practice 2
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement on and off-campus depending on availability **Prerequisites:** CSCD5023 Swallowing and Neurogenics 1, CSCD5024 Language 2, CSCD5026 Professional Development 1, CSCD5027 Clinical Practice 1 **Assessment:** Progressive clinical evaluation based on professional competencies **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Associated degrees: M S L P, M S L P (Hons), PG Coursework Exchange, UG Study Abroad Program.

Students attend a speech pathology clinic to consolidate their client skills in areas required for competency as a beginning practitioner in speech pathology.

CSCD5032
Research Led Practice
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Patricia McCabe **Session:** Semester 2 **Classes:** On-campus plus distance component **Prerequisites:** CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2 **Corequisites:** CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult **Assessment:** 4 WebCT submissions **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Sp-Lan Path), M S L P, PG Coursework Exchange, UG Study Abroad Program.

This unit will provide the opportunity for students to learn the skills needed for critical evaluation of literature pertinent to speech pathology practice and the principles underlying evidence-based practice. Students will focus on specific areas of specialised practice. These areas will be chosen to strengthen the student's professional portfolio demonstrating competencies in all required areas.

CSCD5033
Applied Clinical Research
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** On-campus with distance component **Prerequisites:** CSCD5022 Specialist Studies 1, CSCD5023 Swallowing and Neurogenics 1, CSCD5025 Specialist Studies 2, CSCD5028 Specialist Studies 3, CSCD5029 Neurogenics 2, CSCD5031 Clinical Practice 2 **Corequisites:** CSCD5053 Clinical Practice 3 - Paediatric or CSCD5054 Clinical Practice 3 - Adult **Assessment:** Project contract (10%), progress report (10%), presentation

(20%), final report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Sp-Lan Path), M S L P, PG Coursework Exchange, UG Study Abroad Program.

Students engage in an in-depth study of a clinical issue or model and investigate its application and impact on research, practice, education, services and other relevant areas.

CSCD5035
Professional Development 2H
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1, Semester 2 **Classes:** Block mode and 2 hr/week on campus **Prerequisites:** CSCD5026 Professional Development 1 **Assessment:** Progressive assessment, written assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.
Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Associated degrees: M S L P (Hons), PG Coursework Exchange, UG Study Abroad Program.

Advanced issues in speech pathology practice including ethics, management of clients and services, government political and legal influences and professional self regulation.

CSCD5036
Research in Clinical Practice 1
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr. Kirrie Ballard **Session:** Semester 1, Semester 2 **Classes:** On-campus with distance component **Assessment:** Participation in seminars, written assignments at mid and end of semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.
Note: This unit is a prerequisite for CSCD5053 Clinical Practice 3 - Paediatric and CSCD5054 Clinical Practice 3 - Adult

Associated degrees: M S L P (Hons), PG Coursework Exchange, UG Study Abroad Program.

Advanced investigation in nominated areas and development of a proposal for independent research. Students will also be required to develop a paper that demonstrates the application of academic literature to a clinical problem.

CSCD5037
Research in Clinical Practice 2
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** On-campus with distance component **Prerequisites:** CSCD5036 Research in Clinical Practice 1 **Assessment:** Dissertation, seminar presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M S L P (Hons), PG Coursework Exchange, UG Study Abroad Program.

Students will carry out research under supervision. Students may be required to undertake and satisfactorily complete coursework as part of this unit. Students will submit their dissertation in journal article format.

CSCD5050
Scholarship in Speech-Language Pathology
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Patricia McCabe **Session:** Semester 1 **Classes:** WebCT contact, variable **Assessment:** Participation in WebCT based activities, five exercises, final assignment **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Sp-Lan Path).

This unit provides students with an intensive course in library research and critique of speech pathology materials to make them sophisticated consumers of research and scholarship in the field of speech pathology, and to become academic level writers of reviews of this literature. Exercises utilising these developing skills will cover all the areas of the speech-language pathology field, and allow students to develop directions for further units of study.

Textbooks
None. Access to online journals required

CSCD5051
Trends in Speech-Language Pathology
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Patricia McCabe **Session:** Semester 2 **Classes:** WebCT contact, variable **Prerequisites:** CSCD5050 Scholarship in Speech-Language Pathology **Assessment:** Participation in WebCT based activities, two annotated bibliographies **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Sp-Lan Path).

This unit will involve the students in conducting critiques of the literature across selected topic areas of speech-language pathology; stuttering, voice, child language and phonology, neurogenic disorders, disability and diversity, and to write appropriate academic works in those areas.

Textbooks
None. Access to online journals required

CSCD5052
Clinical Review in Speech-Lang Pathology
Health Sciences

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** WebCT contact, variable **Prerequisites:** CSCD5050 Scholarship in Speech-Language Pathology, CSCD5051 Trends in Speech-Language Pathology **Assessment:** Literature review **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: M Hlth Sc (Sp-Lan Path).

This unit will involve the students in conducting literature based research into a major clinical area of speech-language pathology: (stuttering, voice, child language, phonology, neurogenic disorders, disability and diversity). Students will apply critical skills from earlier units of study to write a review of an area of clinical concern, with a view to possible submission for publication.

Textbooks
Access to online journals required

CSCD5053
Clinical Practice 3 - Paediatric
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** CSCD5027 Clinical Practice 1; CSCD5028 Specialist Studies 3; CSCD5029 Neurogenics 2; CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H; CSCD5031 Clinical Practice 2 **Assessment:** Progressive clinical evaluation based on professional competencies **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Associated degrees: M S L P, M S L P (Hons).

Students attend a speech pathology clinical placement to consolidate their skills with paediatric clients in areas required for competency as an entry-level practitioner in speech pathology.

Textbooks
Competency Based Occupational Standards in Speech Pathology. Clinical manual

CSCD5054
Clinical Practice 3 - Adult
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** CSCD5027 Clinical Practice 1; CSCD5028 Specialist Studies 3; CSCD5029 Neurogenics 2; CSCD5030 Professional Development 2 or CSCD5035 Professional Development 2H; CSCD5031 Clinical Practice 2 **Assessment:** Progressive clinical evaluation based on professional competencies **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Associated degrees: M S L P, M S L P (Hons).

Students attend a speech pathology clinical placement to consolidate their skills with adult clients in areas required for competency as an entry-level practitioner in speech pathology.

Textbooks

Competency Based Occupational Standards in Speech Pathology. Clinic manual

University postgraduate units of study – D

DENT5013
Preventative Dentistry
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Wendell Evans **Session:** Semester 2 **Classes:** 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) **Prerequisites:** PUBH5010 and PUBH5018 **Assessment:** individual written assignments (70%), tutorial discussion and group-work participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

To provide students with sufficient background and appreciation of the importance of preventive dentistry and oral health promotion and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: principles of prevention; oral diseases and conditions of public health concern - a review; the epidemiology of the common oral problems; prevention of dental caries; prevention of periodontal disease; prevention of other diseases of oral health concern; evidence-based preventive dental care; principles of health education, health protection, and oral health promotion; and analysis of health education and oral health promotion initiatives. On the completion of this unit of study, the student will be able to: understand the efficacy and effectiveness of risk reduction strategies in relation to the common oral problems and conditions; select interventions and strategies for the prevention and control of oral disease and the promotion of oral health; and understand the limitations of health education and the potential for oral health improvement through effective oral health promotion strategies.

Textbooks
Fejerskov O, Ekstrand J, Burt BA (Editors) (1996). Fluoride in dentistry, 2nd edition. Copenhagen: Munksgaard.
Burt BA, Eklund SA. Dentistry, dental practice, and the community, 6th edition. St Louis Missouri: Elsevier Saunders, 2005.
Murray JJ, Nunn JH, Steele JG (Editors). Prevention of oral disease, 4th edition. Oxford: Oxford University Press, 2003.
Nutbeam D, Harris E. Theory in a nutshell - A practical guide to health promotion theories. Second edition. Sydney: McGraw-Hill, 2005.

DENT5014
Dental Health Services
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Peter Dennison **Session:** Semester 2 **Classes:** 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) **Assessment:** individual written assignments (70%), tutorial discussion and group-work participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

To provide students with sufficient background and appreciation of the role and scope of dental health services within health care and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: dental services in the twenty first century; the primary health care approach; assessment of the role of Western Dentistry (the limits of conventional dentistry); the limitations of a "high-risk" approach for the prevention of dental caries; the common risk factor approach: a rational basis for promoting oral health and strategies for developing oral health care programs in deprived communities; priorities in oral health care services; review of the Save our Kids Smiles program in New South Wales; the prevention of social inequalities in oral health; adult access to dental care in Australia; and ethnic indicators of dental health schoolchildren resident in areas of multiple deprivation. On the completion of this unit of study, students will be able to: understand the principles governing primary health care; understand the principles governing the delivery and management of dental services; and develop resources and implement and manage appropriate dental services for populations.

Textbooks
Pine CM (Editor). Community oral health. Oxford: Wright, 1997.
Murray JJ, Nunn JH, Steele JG (Editors). Prevention of oral disease, 4th edition. Oxford: Oxford University Press, 2003.

DENT5015
Population Oral Health
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Shanti Sivaneswaran **Session:** Semester 2 **Classes:** 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) **Prerequisites:** (PUBH5015 and PUBH5016) or (MIPH5131 and MIPH5132) **Assessment:** individual written assignments (70%), tutorial discussion and group-work participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

To provide students with sufficient background and appreciation of the importance of population oral health and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: the oral health status of Australians - the changing profile; water fluoridation legislation, benefits/risks, the politics of fluoridation, the arguments for and against water fluoridation, how to respond to antifluoridationists; overview of policies and initiatives regarding dental services - the example of New South Wales; and dental workforce and dental services issues. On the completion of this unit of study, students will be able to: evaluate and monitor dental service delivery systems; plan and manage oral health programs for populations; understand the principles governing the development of resources, assets, and the workforce; understand the principles of health policy formulation and review, and the direction and financing of dental services and oral health promotion; understand the principles of economic evaluation; understand the regulations and legislation governing dental practice in New South Wales; design and understand the use of surveillance systems to monitor oral health; and communicate and collaborate with groups and individuals on oral health issues.

Textbooks
Burt BA, Eklund SA. Dentistry, dental practice, and the community, 6th edition. St Louis Missouri: Elsevier Saunders, 2005.
Cohen LK, Gift HC. Disease Prevention and Oral Health Promotion. Copenhagen: Munksgaard, 1995.
Murray JJ, Nunn JH, Steele JG (Editors). Prevention of oral disease, 4th edition. Oxford: Oxford University Press, 2003.

DENT5020
Implant Patient Selection
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** 1x7day block (9-5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study **Corequisites:** DENT5021 and DENT5022 **Assessment:** clinical mentor feedback (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on patient selection for oral implant care.

Textbooks
Recommended resources including texts and publications will be provided in class.

DENT5021
Implant Treatment Planning 1

Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** 1x5day block (9am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study **Corequisites:** DENT5020 and DENT5022 **Assessment:** clinical case (1+2+3+4) presentations (formative) (50%) + clinical mentor feedback (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on treatment planning for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5022
Implant Treatment Planning 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical experience + 3x3hr mentored clinical sessions in private practice + self-directed study **Corequisites:** DENT5020 and DENT5021 **Assessment:** 1x3000word assignment (50%) + clinical mentor feedback (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on treatment planning for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5023
Implant Clinical Procedures 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** 1x5day block (9am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study **Prerequisites:** (DENT5020 and DENT5021 and DENT5022) or DENT5357 **Corequisites:** DENT5024 **Assessment:** clinical case (1+2) presentations (summative) (50%) + clinical mentor feedback (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on clinical procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5024
Implant Clinical Procedures 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical experience + 3x3hr mentored clinical sessions in private practice + self-directed study **Prerequisites:** (DENT5020 and DENT5021 and DENT5022) or DENT5357 **Corequisites:** DENT5023 **Assessment:** clinical mentor feedback (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on clinical procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5025
Implant Prosthodontics
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** 1x5day block (9am - 5pm) + 3x3hr mentored clinical sessions in private practice + self-directed study **Prerequisites:** (DENT5023 and DENT5024) or DENT5358 **Corequisites:** DENT5026 and DENT5027 **Assessment:** 1x3000word assignment (50%) + clinical mentor feedback (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on prosthodontic procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5026
Implant Surgery - Prosthodontics
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** 1x5day block (9am - 5pm) + 5x3hr mentored clinical sessions in private practice + self-directed study **Prerequisites:** (DENT5023 and DENT5024) or DENT5358 **Corequisites:** DENT5025 and DENT5027 **Assessment:** clinical case (3+4) presentations (summative) (50%) + clinical mentor feedback (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on surgical and prosthodontic procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5027
Implant Advanced Procedures
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** 1x4day block (9am - 5pm) **Prerequisites:** (DENT5023 and DENT5024) or DENT5358 **Corequisites:** DENT5025 and DENT5026 **Assessment:** 1x3hr written examination (70%) + viva voce (30mins) (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with clinical and evidence-based information on advanced clinical procedures for oral implant care.

Textbooks

Recommended resources including texts and publications will be provided in class.

DENT5031
Behaviour Management
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, A/Prof Richard Widmer, Dr Jane McDonald, Dr Doug Stewart **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

The student must understand the sociology and psychology of pain and behavioural responses of patients to dental treatment and their implications for the effective practice of dentistry. The student must understand the different psychological aspects of phobias and the behavioural responses of children to dental treatment. This course covers aspects of child behavioural development and it's relevance to patient management. The course will cover non-pharmacological control of pain and anxiety and behaviour shaping, including hypnosis. Pharmacological control of pain and anxiety, including local anaesthesia, relative analgesia and oral and IV sedation. General anaesthesia, including child assessment and hospital protocols and emergencies in dental and hospital practice.

Textbooks

Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5032
Child Assessment and Treatment Planning

Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert and Specialist Paediatric Dental Staff **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course aims to provide the trainee with an understanding of the normal growth and development of a child from birth to school age. They should learn an appreciation of the factors influencing a child's development and how these may impact on their oral health and the provision of care. They should learn to recognise abnormal growth, development and habits in the preschool age groups and be competent to manage them appropriately, including speech and language development. This course includes recognition of early childhood caries, a thorough understanding of involved factors and its' management, together with a knowledge of the nutritional requirements of the preschool child and the weaning process. Trainees should learn how to develop an appropriate treatment plan, taking into account the child's age, maturity, medical history, treatment needs and caries risk. The course will also provide instruction in photography. Different types of digital and non-digital cameras for intra-oral photography will be discussed and experience will be gained in extra-oral and intra-oral photography.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5033
Preventive Dentistry 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert and Specialist Paediatric Dental Staff. Sarah McKay (Dietitian) **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

The aim of this course is to provide students with an understanding of the factors that place an individual at risk of developing dental disease. They should learn the pathogenesis and theories of caries formation. The development of the oral microflora and microbiology of plaque and the role of intra and extra-cellular polysaccharides. They should learn to assess caries risk factors and how they relate to oral hygiene and diet. Have knowledge on how to prevent and control caries with fluorides, remineralising and antimicrobial agents, sealants and minimal intervention dentistry. Develop an understanding of the pathogenesis, diagnosis and management of periodontal diseases, to identify risk factors and understand the different manifestations and development of periodontal diseases in children and adults. Learn about the role of diet and nutrition in health and disease, with particular emphasis on disease heart disease, diabetes and obesity.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5034
Restorative Paediatric Dentistry Part 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert and Specialist Paediatric Dental Staff **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course covers all the clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children and adolescents. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a sound understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

It will aim to ensure that Trainees have an evidenced-based approach to clinical paediatric dentistry and are expert in the delivery of clinical care. This course will be the foundation of clinical practice in this discipline. They should become proficient in the restoration of the primary and young permanent dentition and understand the uses and limitations of restorative and endodontic materials used in paediatric dentistry.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5035
Management of Orofacial Trauma 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert and Specialist Paediatric Dental Staff. **Session:** Semester 2 **Classes:** Clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course covers all the aspects of dental traumatology, with special emphasis on the primary and young permanent dentitions. Trainees must become proficient in the diagnosis and management, including emergency presentations, of dentofacial injuries. They will learn the classification and epidemiology of dental injuries and the treatment alternatives. They should also develop an understanding of the pathogenesis of sequelae and complications following trauma and their appropriate management.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5036
Community Paediatric Dentistry
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, A/Prof Wendell Evans, Prof Andy Blinkhorn, Dr Peter Denison, A/Prof Peter Barnard **Session:** Semester 2 **Classes:** 4x3hr tut **Assessment:** tutorials (50%), 1x3hr written exam, 1xviva **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This course is concerned with topics relating to the community prevention of dental diseases and the management and utilisation of dental resources. The importance of statistical method in evaluation, interpretation and presentation of data is emphasised. At the completion of this course, the Trainee should have an understanding of the tools used for the assessment of the oral health status and treatment needs for the community, children, adolescents and special groups. They should have a working knowledge of the availability of community dental health services in Australasia and the assessment and financing of dental services in relation to dental needs and resources. They should be able to design surveys, evaluate data and have a knowledge of statistical methods.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class

DENT5037
Preventive Dentistry 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff, Sarah McKay (Dietitian) **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Prerequisites:** DENT5033 or DENT6276 **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

The aim of this course is to provide students with a more advanced understanding of the factors that place an individual at risk of developing dental disease. This course follows on from Preventive

Dentistry 1 and aims to further the students understanding of all the factors discussed in the earlier course. In particular the students will review recent literature and discuss current recent on the topics.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5038
Restorative Paediatric Dentistry Part 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Prerequisites:** DENT5034 or DENT6276 **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course follows on from Restorative Dentistry Part 1 and ensures that trainees have advanced knowledge of paediatric restorative techniques. It will the emphasise the evidence-based practice of paediatric restorative dentistry, the materials used and comparison of restorative and endodontic techniques. The concept of minimal intervention dentistry will be further explored, together with social factors that influence caries risk and restorative success. Trainees will learn advanced restorative techniques required for the management of children with congenital and acquired dental anomalies and restorative options in the care of medically compromised patients.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5039
Growth and Development
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, A/Prof Angus Cameron, A/Prof Richard Widmer, Dr Meredith Wilson, Dr Leslie Ades, Prof David Sillence **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3hr tut **Assessment:** clinical prac (50%), tutorials (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

The student must understand the basic processes of normal growth and development and how pertubations result in abnormalities. The course will cover embryological development of the head and neck and the effects of prematurity, assessment of developmental milestones in infancy and postnatal growth and development of the head and neck. The mechanisms by which congenital abnormalities arise, concepts of dysmorphology and terminology and nomenclature used in syndromology. Principles of Mendelian genetics in relation to patterns of inheritance, gene expression and penetrance and the tools used in the diagnosis of genetic diseases. The role and processes of genetic counselling and to search for and retrieve information on dysmorphology via the World Wide Web and other syndrome diagnostic tools such as POSSUM.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5040
Dental Anomalies and Genetics 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course deals with the abnormalities of dental growth and development; it will provide trainees with knowledge and skills in the diagnosis and management of children with acquired and congenital malformations affecting the mouth, head and neck. The course follows on from the unit on growth and development. They must develop a comprehensive knowledge of the pathogenesis, classification and both clinical and ultrastructural manifestations of dental anomalies. They will learn all the disorders of tooth number, size and shape and anomalies of enamel and dentine and disorders of eruption and root development

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5041
Paediatric Oral Pathology and Medicine 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff, Dr Mark Schifter **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course covers all aspects of the diagnosis, clinico-pathology and management of paediatric oral pathology and medicine, it aims to give Trainees knowledge and skills in the management of children presenting with oral pathological lesions.

Trainees must be proficient in the management of children with a wide variety of disorders, including orofacial infections, vesiculobullous lesions, ulceration, autoimmune disorders, salivary disorders, paediatric malignancies and gingival disorders. They must also have detailed knowledge of the pathogenesis, clinical and ultra structural presentation, tests used in diagnosis and treatment, prognosis and management of these conditions. They must also be aware of the implications for dental treatment in children with these conditions. Trainees must also understand concepts of surgical management of children for orofacial pathology and be competent in the prescription of medications for inpatients and outpatients, basic surgical techniques required in an outpatient setting and the management of surgical complications arising from routine clinical care.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5042
Development of the Occlusion
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff, Dr Julia Dando, Prof Ali Darendelilar **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course introduces Trainees to basic craniofacial development and interceptive orthodontic techniques. The growth and development component includes an introduction to the study of cephalometrics. The treatment component for the major part is directed towards the mixed dentition. Various techniques will be discussed which include removable appliance therapy, functional appliances and the fixed straight wire techniques. Other topics will include habits and serial extraction and their implications on developing dentition. Emphasis is laid on the importance of accurate diagnosis and treatment planning in management of the developing dentitions. An interdisciplinary approach is made to the treatment of craniofacial anomalies. Trainees should become proficient in the diagnosis of malocclusions in children and predictive growth analyses. They should learn to use removable appliances in interceptive management and fixed appliances for space maintenance, expansion and single arch regimes.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5043
Management of Orofacial Trauma Part 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert , Specialist Paediatric Dental and OMFS Staff., A/Prof Chris Griffiths **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Prerequisites:** DENT5035 or DENT6277 **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%),

1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course follows on from Orofacial Trauma Part 1 and aims expand the trainees understanding of dental trauma and its sequelae. It will look in depth at the evidence base for different management strategies, including endodontic, surgical, orthodontic and prosthodontic management alternatives. They will learn about the diagnosis and management of facial fractures and soft tissue trauma. It will cover the presentation and reporting of non-accidental injuries, including child protection legislation and reporting mechanisms

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5044
Paediatric Medicine and Surgery
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff, Children's Hospital Specialists **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course aims to give Trainees a broad understanding and knowledge of all aspects of paediatric disease and care and to understand the operation of hospitals and protocols. It covers the management of children in hospital, including surgical problems encountered in the child patient. It also covers all aspects of general paediatrics. This course encompasses attendance at Paediatric Grand Rounds at the Children's Hospital Westmead and the Diploma of Child Health. Trainees should gain a general knowledge of common paediatrics and develop a much better understanding of many aspects involved in the care of children. Trainees must learn to be proficient at and have a thorough knowledge of hospital protocols in relation to admitted and non-admitted patients, referral procedures and operation of theatres and outpatient clinics.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5045
Management of Children's Special Needs
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff, Dr Mark Schifter, Dr Leda Mugayar, Children's Hospital Specialists **Session:** Semester 1 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This important aspect of Paediatric Dentistry is covered in detail, with special reference to the inter-disciplinary nature of diagnosis and treatment of medically compromised and special needs children. Trainees must become proficient in the management of children with many conditions, including congenital cardiac disease, haematological disorders, immunodeficiencies, malignancies, endocrinopathies, respiratory diseases and neurological disease. They must also develop the knowledge and skills to provide high quality care to children with intellectual and physical disabilities

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5046
Dental Anomalies and Genetics 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental and ORS Staff, Dr Meredith Wilson **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Prerequisites:** (DENT5039 and DENT5040) or (DENT6278 and DENT6279) **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course follows on from the unit dental anomalies and genetics 1. The aim of this course is to develop a deeper knowledge of medical syndromes, genetic disorders and craniofacial anomalies and their impact on general and craniofacial growth and development. Trainees will learn more about the interdisciplinary management of major craniofacial syndromes and clefts of the head and neck, including the appropriate timing of treatment and use of implant prostheses.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition
Notes will be distributed in class.

DENT5047
Paediatric Oral Pathology and Medicine 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff, Dr Mark Schifter, Children's Hospital Specialists **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Prerequisites:** DENT5041 or DENT6279 **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course follows on from Paediatric Oral Pathology and Medicine 1. It aims to provide trainees with a deeper understanding of the relevant conditions and their management. In particular it will aim to provide greater knowledge of the associations of these conditions with general health and development and the long term dental and medical implications of these conditions.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5048
Specialist Paediatric Practice
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Sally Hibbert, Specialist Paediatric Dental Staff and Visiting Paediatric Specialists, A/Prof Chris Griffiths, Guild Insurance Ltd **Session:** Semester 2 **Classes:** clinical prac 24hr/wk, 4x3 hr tut **Assessment:** clinical prac (25%), tutorials (25%),1x3 hr written exam (25%), 1xviva (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This course aims to ensure that Trainees have the skills necessary to enter specialist practice in either the private or public sector. Trainees must develop an intimate understanding of the medico-legal aspects of paediatric dentistry, ethics and the maintenance of professional relationships with colleagues, the role of the specialist in the community and the availability of community services for children and families. Trainees must be proficient to write a referral to another health professional, a letter of reply to a referring clinician, write a medico-legal report and give an oral presentation to an audience. They should have knowledge of the specialist as an expert witness, paediatric forensic dentistry, design of a dental surgery and equipment needs, statutory regulations in relation to practice, financial aspects of Hospital or private practice, employment and staff management and information technology and computer usage.

Textbooks
Handbook of Paediatric Dentistry, Cameron and Widmer, 2nd Edition.
Notes will be distributed in class.

DENT5160
Orthodontics Clinical Training 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 4x7hr clinic training and 1x6hr workshop/wk. **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit familiarises students with the important aspects of orthodontic clinical sequences and basic clinical skills. It runs for two months and covers both basic theoretical and clinical orthodontic skills that are essential prior to undertaking patient treatment. This unit has a

preclinical focus: Typodont simulation to manage and observe orthodontic tooth movement and wire bending sessions to learn and practice hand bending of wires.

Textbooks
Notes will be distributed in class.

DENT5161
Orthodontics Clinical Training 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 4x7hr clinic training and 1x6hr workshop/wk. **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to further familiarise students with the important aspects of orthodontic treatment sequencing by typodont simulations and to also learn clinical set-up and basic clinical skills. Further typodont training is carried out where students manage and observe orthodontic tooth movement prior to patient management. Wire bending sessions allow the students to hand bend a variety of structures from the wire. Basic clinical set-up sessions aim to teach students to undertake very basic procedures clinically, including bracket bonding, removable appliances placement and bonded appliance cementation.

Textbooks
Notes will be distributed in class.

DENT5162
Introduction to Orthodontic Theory
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture /wk **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit is a series of lectures and daily tutorials on fundamental orthodontic theory. The topics in this unit include the concept of growth and development, craniofacial anatomy and cephalometric analysis. Students are required to read and critically review the designated reading and present their views in the tutorials.

Textbooks
Notes will be distributed in class.

DENT5163
Orthodontics Clinical Training 3
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 4x7hr clinic training and 1x6hr workshop/wk. **Prerequisites:** (DENT5160 and DENT5161) or DENT6226 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to familiarise students with the important aspects of orthodontic clinical set-up and basic clinical skills. Students will be trained to undertake basic clinical procedures, including orthodontic bracket bonding, removable appliance placement and bonded appliances cementation.

Textbooks
Notes will be distributed in class.

DENT5164
Orthodontics Clinical Training 4
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 4x7hr clinic training and 1x6hr workshop/wk. **Prerequisites:** (DENT5160 and DENT5161) or DENT6226 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to further familiarise students with the important aspects of orthodontic clinical set-up and basic clinical skills. Students will be trained to undertake basic clinical procedures, including orthodontic bracket bonding, removable appliance placement and bonded appliances cementation. At this stage, the students also obtain basic skills in proceeding with correct treatment sequences.

Textbooks
Notes will be distributed in class.

DENT5165
Basic Orthodontic Theory
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture /wk **Prerequisites:** DENT5162 or DENT6226 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit is a series of lectures and daily tutorials on fundamental orthodontic theory. The topics in this unit include biomechanics of tooth movement and biomechanical traits of brackets and archwires. Students are required to read and critically review the designated reading and present their views in the tutorials. The students are also required to complete an assignment on a relevant topic and present it during the tutorials.

Textbooks
Notes will be distributed in class.

DENT5166
Orthodontics Clinical Training 5
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5163 and DENT5164) or DENT6227 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to familiarise students with the important orthodontic techniques including standard Edgewise, basic straight wire techniques (e.g. MBT). Each clinical technique is taught first by typodont simulation and then applied to patients. This Unit also gives the students opportunities to use a variety of bracket types, and practice choosing proper archwires from a wide range of preformed wires. Advanced skills training also covers the knowledge and use of advanced digital imaging systems, such as Dolphin, 3dMD, LaserDenta and their applications in assisting case diagnosis, treatment planning and treatment assessment.

Textbooks
Notes will be distributed in class.

DENT5167
Orthodontics Clinical Training 6
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5163 and DENT5164) or DENT6227 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to familiarise students with the important orthodontic techniques including various straight wire modalities, functional appliances, miniscrew implants. Each clinical technique is taught first by typodont simulation and then applied to patients. This Unit also gives the students opportunities to use a variety of bracket types, especially the self-ligating brackets, and build up their ability to choose proper archwires from a wide range of preformed wires. Advanced skills training also covers the knowledge and use of advanced digital imaging systems in assisting case diagnosis, treatment planning and treatment assessment.

Textbooks
Notes will be distributed in class.

DENT5168
Intermediate Orthodontic Theory
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture /wk **Prerequisites:** DENT5165 or DENT6227 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit is a series of lectures and daily tutorials on fundamental orthodontic theory. The topics in this unit include recent developments on the topics of growth and development, craniofacial anatomy cephalometric analysis, biomechanics of tooth movement, biomechanical traits of brackets and archwires. Students are required to read and critically review the designated reading and present their views in the tutorials. The students are also required to complete an assignment on a relevant topic and present it during the tutorials.

Textbooks
Notes will be distributed in class.

DENT5169
Orthodontics Clinical Training 7
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5166 and DENT5167) or DENT6228 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to familiarise students with important advanced orthodontic techniques including invisible techniques (e.g. Invisalign and lingual). Each clinical technique is taught first by typodont simulation and then applied to patients. Advanced skills training also covers the further knowledge and use of advanced digital imaging systems in assisting case diagnosis, treatment planning and treatment assessment

Textbooks
Notes will be distributed in class.

DENT5170
Orthodontics Clinical Training 8
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5166 and DENT5167) or DENT6228 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to teach students how to combine and integrate various orthodontic techniques and apply them to resolving individual problems. The hybrid mechanism, which combines various bracket systems to achieve maximum effects, is also an important treatment philosophy that the students are required to learn and use in clinic.

Textbooks
Notes will be distributed in class.

DENT5171
Advanced Orthodontic Theory
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture /wk **Prerequisites:** DENT5168 or DENT6228 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit is a series of lectures and daily tutorials on advanced orthodontic theory. The topics in this unit include clinical trials and basic studies, narrative and systematic reviews on certain topics about clinical treatment modalities and their effects. This unit exposes students to contemporary developments of orthodontic treatment approaches and the supporting research, to understand the important philosophy of evidence-based orthodontics.

Textbooks
Notes will be distributed in class.

DENT5172
Orthodontics Clinical Training 9
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5169 and DENT5170) or DENT6229 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to teach students how to combine and integrate various orthodontic techniques and apply them to resolving complicated orthodontic problems. The students are taught to treat malocclusions using various techniques including combined mechanisms consisting of different techniques that are suitable for the specific case. The hybrid mechanism, which combines various bracket systems to achieve maximum effects, is also an important treatment philosophy that the students are required to further learn and use in clinic.

Textbooks
Notes will be distributed in class.

DENT5173
Orthodontics Clinical Training 10
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5169 and DENT5170) or DENT6229 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to teach students how to coordinate and integrate with other dental or surgical specialties for an interdisciplinary approach for the orthodontic patient. Interdisciplinary management with orthognathic surgery is an essential approach that is studied. The students are required to undertake pre and post-operative orthodontic treatment analysis and discuss orthognathic approaches with the surgeon.

Textbooks
Notes will be distributed in class.

DENT5174
Comprehensive Orthodontic Theory 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 1 **Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture /wk **Prerequisites:** DENT5171 or DENT6229 **Assessment:** 1x1hr viva (50%) and 1x3hrs written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit is a series of lectures and daily tutorials on comprehensive orthodontic theories. These include published studies on combined use of various techniques, and clinical trials that apply newly developed techniques. This unit also emphasises the recent developments of comprehensive orthodontic treatment approaches and the underlying research. This unit further exposes students to contemporary developments of orthodontic treatment approaches and the supporting research, to understand the important philosophy of evidence-based orthodontics.

Textbooks
Notes will be distributed in class.

DENT5175
Orthodontics Clinical Training 11
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5172 and

DENT5173) or DENT6230 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to further teach students how to coordinate and integrate with other dental or surgical specialties for an interdisciplinary approach for the orthodontic patient. Students learn about independently processing the entire course of treatment, including diagnosis and treatment planning and the implementation of specific treatment based on its underlying mechanisms.

Textbooks
Notes will be distributed in class.

DENT5176
Orthodontics Clinical Training 12
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x7hr clinic training/wk. **Prerequisites:** (DENT5172 and DENT5173) or DENT6230 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

This unit is designed to teach students how deal with complicated situations in relation to case completion. The students are required to learn all of the procedures of terminating the treatment, including establishing a proper protocol for retention. They are also required to learn the protocols of case treatment summary and case records archiving.

Textbooks
Notes will be distributed in class.

DENT5177
Comprehensive Orthodontic Theory 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Prof M. Ali Darendeliler **Session:** Semester 2 **Classes:** 5x1.5hr morning tutorial/lecture and 5x2hr evening tutorial/lecture /wk **Prerequisites:** DENT5174 or DENT6230 **Assessment:** 1x1hr viva (50%) and 1x3hr written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit is a series of lectures and daily tutorials on concepts of interactions between orthodontics and other disciplines. These include the reported success in interdisciplinary management of the orthodontic patient, and the appropriate sequences in managing the interdisciplinary team. This unit exposes students to the contemporary developments of orthodontic interdisciplinary approaches and the supporting research, to understand the important philosophy of evidence-based orthodontics.

Textbooks
Notes will be distributed in class.

DENT5200
Applied Oral Biology
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Hans Zoellner, Associate Professor Hedley Coleman **Session:** Semester 1 **Classes:** independent study x 4 hrs, seminar presentation x 3 hrs, journal club presentation x 2 hrs (per week) **Corequisites:** DENT6000 and DENT5201 and DENT5202 **Assessment:** ongoing assessment of participation and contribution in journal club and seminar presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

Basic oral/dental histology and biology will be covered. Topics include embryology including tooth development, histology of oral mucosa, salivary glands and bone.

Textbooks
Oral Histology, Ten Cate

DENT5201
Oral Medicine and Oral Pathology 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh **Session:** Semester 1 **Classes:** oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine/oral pathology conference x 4hrs (per week) **Corequisites:** DENT6000 and DENT5200 and DENT5202 **Assessment:** continuous clinical assessment (50%), viva voce (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include; processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases .

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus.

DENT5202
Internal and General Medicine 1A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Dr Mark Schifter **Session:** Semester 1 **Classes:** medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week) **Corequisites:** DENT6000 and DENT5200 and DENT5201 **Assessment:** continuous clinical assessment (50%); assessed as part of DENT1003 viva voce (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease.

The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT5203
Oral Medicine 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh **Session:** Semester 2 **Classes:** oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) **Prerequisites:** (DENT6000 and DENT5200 and DENT5201 and DENT5202) or DENT6126 **Corequisites:** DENT6010 and DENT5204 and DENT5205 **Assessment:** continued clinical assessment (30%), 1x 2000 word essays (10%) written paper x 2 hrs (40%), viva voce (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include; processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases .

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus

DENT5204
Oral Pathology 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Hedley Coleman **Session:** Semester 2 **Classes:** oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic histology/pathology x 1 hr (per week) **Prerequisites:** (DENT6000 and DENT5200 and DENT5201 and DENT5202) or DENT6126 **Corequisites:** DENT6010 and DENT5203 and DENT5205 **Assessment:** 1x2hr written exam (50%), viva voce (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

The course covers a review of relevant aspects of oral biology including bone, mucosa, salivary glands and tooth development.

Oral pathology is introduced by investigating the clinico-pathological features of soft and hard tissue pathoses including inflammatory and repair processes, hamartomas, mucosal and salivary gland diseases, fibro-osseous lesions, benign and malignant non-odontogenic and odontogenic neoplasms, cysts of the jaws and soft tissues of the head and neck.

Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Textbooks
Oral Anatomy, Embryology and Histology, 3rd ed, Berkowitz BKB, Holland GR and Moxham BJ.
Oral and Maxillofacial Pathology, 2nd ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan

DENT5205
Internal and General Medicine 1B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Dr Mark Schifter **Session:** Semester 2 **Classes:** medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week) **Prerequisites:** (DENT6000 and DENT5200 and DENT5201 and DENT5202) or DENT6126 **Corequisites:** DENT6010 and DENT5203 and DENT5204 **Assessment:** continuous clinical assessment (50%); assessed as part of DENT1006 viva voce (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT5206
Oral Medicine 2A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh **Session:** Semester 1 **Classes:** oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) laser training course 8hrs **Prerequisites:** (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 **Corequisites:** DENT6011 and DENT5207 and DENT5208 **Assessment:** continued clinical assessment (40%) written paper (3 hrs) and journal article critique (1 hr) (40%), viva voce (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include; processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland

diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases .

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus

DENT5207
Oral Pathology 2A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Hedley Coleman **Session:** Semester 1 **Classes:** oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic oral pathology x 1 hr (per week) **Prerequisites:** (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 **Corequisites:** DENT6011 and DENT5206 and DENT5208 **Assessment:** 1x 2hr written examination (50%), viva voce (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

The course of study covers a broad spectrum of general histopathology with introduction to the specialised disciplines of cytopathology and immunopathology and their clinical applications.

The oral pathology component is expanded continuing to examine in more detail the clinicopathological features of soft and hard tissue pathoses including inflammatory and repair processes, hamartomas, mucosal and salivary gland diseases, fibro-osseous conditions, benign and malignant non-odontogenic and odontogenic neoplasms, and cysts of the jaws and soft tissues of the head and neck. Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Textbooks
Oral and Maxillofacial Pathology, 2nd ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan
Pathologic Basis of Disease, 7th ed, Kumar V, Abbas AK, Fausto N

DENT5208
Internal and General Medicine 2A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Dr Mark Schifter **Session:** Semester 1 **Classes:** medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week) basic sciences in oncology course x 6 hrs (per month) **Prerequisites:** (DENT6010 and DENT5203 and DENT5204 and DENT5205) or DENT6127 **Corequisites:** DENT6011 and DENT5206 and DENT5207 **Assessment:** continuous clinical assessment (50%); assessed as part of DENT2002 viva voce (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

Attendance at the Basic Science in Oncology Course run by the Cancer Institute of NSW runs monthly over two semesters.

DENT5209
Oral Medicine 2B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh **Session:** Semester 2 **Classes:** oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) **Prerequisites:** (DENT6011 and DENT5206 and DENT5207 and DENT5208) or DENT6128 **Corequisites:** DENT6012 and DENT5210 and DENT5211 **Assessment:** continued clinical assessment (30%), 1 x 2000 word essay (10%) Written paper and osce style examination (40%), viva voce (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include; processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases .

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan

Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus

DENT5210
Oral Pathology 2b
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Hedley Coleman Associate Professor Chris Griffiths **Session:** Semester 2 **Classes:** oral pathology conference (slide review and journal club) x 2 hrs, seminars x 1 hr, diagnostic oral pathology x 1 hr (per week) forensic odontology course 30hrs **Prerequisites:** (DENT6011 and DENT5206 and DENT5207 and DENT5208) or DENT6128 **Corequisites:** DENT6012, DENT5209, DENT5211 **Assessment:** oral presentations (20%), 1x3hr written exam (40%), 1x1hr practical exam (20%), viva voce (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

The oral pathology component continues to build on the foundations previously established. The course further extends exposure to the specialised disciplines of cytopathology and immunopathology and their clinical applications. Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Forensic Odontology is introduced with a block course covering the history of forensic identification, the role of police in forensic investigation, interaction of government agencies, bitemark evidence and interpretation, age determination, interesting forensic cases, dental charting systems, forensic dental radiology, coronial system, forensic dentistry and law, introduction to course, denture marking and computerisation.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan

DENT5211
Internal and General Medicine 2B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Dr Mark Schifter **Session:** Semester 2 **Classes:** medical rotations x3hrs, medical grand rounds x 1 hr, basic physicians training course x 3 hrs (per week) basic sciences in oncology course x 6 hrs (per month) **Prerequisites:** (DENT6011 and DENT5206 and DENT5207 and DENT5208) or DENT6128 **Corequisites:** DENT6012, DENT5209, DENT5210 **Assessment:** continuous clinical assessment (50%); assessed as part of the DENT2006 viva voce (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Attendance at the FRACP trainee physician's lecture series held weekly in two blocks of six months over two years covers the spectrum of topics relevant to internal medicine. The lecture series covers the spectrum of internal medicine including the aetiology, pathogenesis, diagnosis, management, prevention and epidemiology of disease. The series covers the main areas of immunology, molecular biology and genetics, endocrinology, neurology, renal medicine, gastroenterology and hepatology, rheumatology, pharmacology, haematology, infectious diseases, respiratory medicine, cardiology, oncology, social and community medicine.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

Attendance at the Basic Science in Oncology Course run by the Cancer Institute of NSW runs monthly over two semesters.

DENT5212
Oral Medicine 3a
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh **Session:** Semester 1 **Classes:** oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) **Prerequisites:** (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129 **Corequisites:** DENT6013, DENT5213, DENT5214 **Assessment:** continuous clinical assessment (20%) written paper x2 (3 hrs) (30%), osce (15%), patient examination and presentation (15%), viva voce (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include; processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases .

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks
Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus

DENT5213
Oral Pathology 3a
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Hedley Coleman **Session:** Semester 1 **Classes:** oral pathology conference (slide review and journal club) x 2 hrs seminars x 1 hr, diagnostic oral pathology x 1 hr (per week) **Prerequisites:** (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129 **Corequisites:** DENT6013, DENT5212, DENT5214 **Assessment:** oral presentations (20%), 1x1hr practical exam (40%), viva voce (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

The oral pathology component continues to build on the foundations previously established with in depth investigation of biological and genetic factors underpinning the different disease entities. The course further extends exposure to the specialised disciplines of cytopathology and immunopathology and their clinical applications. Weekly departmental review of the relevant histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Textbooks

Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan

DENT5214
Internal and General Medicine 3A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Dr Mark Schifter **Session:** Semester 1 **Classes:** medical rotations x3hrs, medical grand rounds x 1 hr **Prerequisites:** (DENT6012 and DENT5209 and DENT5210 and DENT5211) or DENT6129 **Corequisites:** DENT6013, DENT5212, DENT5213 **Assessment:** written case report (clinicopathological case) (50%), continued clinical assessment (50%); assessed as part of DENT3002 viva voce **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT5215
Oral Medicine 3b
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Mark Schifter, Associate Professor Hedley Coleman, Associate Professor Hans Zoellner, Dr Anastasia Georgiou, Dr Sue-Ching Yeoh **Session:** Semester 2 **Classes:** oral medicine clinic x 10 hrs, biopsy clinic x 3 hours, medically complex clinic x 4hrs, oral medicine conference x 3hrs (per week) **Prerequisites:** (DENT6013 and DENT5212 and DENT5213 and DENT5214) or DENT6130 **Corequisites:** DENT6014, DENT5216, DENT5217 **Assessment:** continued clinical assessment (20%) written paper (3 hrs) x2 (30%), osce (15%), patient examination and presentation (15%), viva voce (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Principles of effective diagnostic procedure are reinforced through supervised clinical training. Emphasis is placed on history taking and examination; application and interpretation of special investigations; differential diagnosis; treatment planning; clinical records and quality of care evaluation; and the development of effective communication skills in interdisciplinary clinical practice. Principles and practice of pharmacology.

Topics include; processes of inflammation and repair, hamartomas, oral dermatoses, neoplasia, orofacial infections, salivary gland diseases, neurological disorders and pain syndromes. Oral conditions of systemic significance include manifestations of: haematological and other malignancies and their treatment, immunosuppression (eg. HIV), autoimmune diseases, psychogenic disorders with orofacial features.

Review of relevant histopathology cases .

Medically complex clinics focus on aspects of internal medicine of concern to the provision of safe and effective dental treatment in patients with severe medical conditions. Topics include: defective haemostasis, blood transfusion requirements, endocarditis prophylaxis, bisphosphonate therapy, drug interactions, infectious diseases, allergy, immunosuppression, chemotherapy, radiation oncology, palliative care, endocrine therapy, geriatrics, physical handicaps, psychiatric illness and chronic pain problems.

Principles and practice of diagnostic dental and maxillofacial radiology are reinforced, with direct practical experience with a focus on extra-oral techniques. Discussions on diagnostic/interpretive imaging, including plain film radiography, sialography, angiography, CT and MRI.

Textbooks

Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan
Medical Problems in Dentistry, C Scully, RA Cawson
Dental Management of the Medically Compromised Patient, JW Little, DA Falace, CS Miller, NL Rhodus

DENT5216
Oral Pathology 3b
Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Hedley Coleman **Session:** Semester 2 **Classes:** oral pathology conference (slide review and journal club) x 2 hrs seminars x 1 hr, diagnostic oral pathology x 1 hr (per week) **Prerequisites:** (DENT6013 and DENT5212 and DENT5213 and DENT5214) or DENT6130 **Corequisites:** DENT6014, DENT5215, DENT5217 **Assessment:** oral presentations (20%), 1x3hr written exam (40%), 1x1hr practical exam (20%), viva voce (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

The oral pathology component continues to build on the foundations previously established with in depth investigation of biological and genetic factors underpinning the different disease entities. The course further extends exposure to the specialised disciplines of cytopathology and immunopathology and their clinical applications. Weekly departmental review of the current histopathology cases, particularly biopsies of patients undertaken or seen in the Oral Medicine clinics, or Head and Neck oncology clinics.

Textbooks

Oral and Maxillofacial Pathology, 2nd Ed, BW Neville, DD Damm. CA Allen. JE Bouquot.
Lucas's Pathology of Tumours of the Oral Tissues, RA Cawson, WH Binnie, PM Speight, AW Barrett, JM Wright
Oral Pathology Clinical Pathologic Correlations, JA Regezi, JJ Sciubba, RCK Jordan

DENT5217
Internal and General Medicine 3B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Michael Veness, Dr Gary Morgan, Dr Carsten Palme, Dr John Sullivan, A/Prof Ken Bradstock, Dr Mark Schifter **Session:** Semester 2 **Classes:** medical rotations x3hrs, medical grand rounds x 1 hr **Prerequisites:** (DENT6013 and DENT5212 and DENT5213 and DENT5214) or DENT6130 **Corequisites:** DENT6014, DENT5215, DENT5216 **Assessment:** continued clinical assessment (50%); assessed as part of DENT3006 viva voce (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M D Sc.

Candidates rotate through various medical speciality clinics including: Head and Neck Radiation Oncology, Haematology (with emphasis on the care of patients undergoing haematopoietic stem cell transplants), Dermatology, Immunology and Radiology/Nuclear Medicine.

An emphasis is placed on understanding and application of principles of pharmacology.

Candidates also attend the Medical Grand Rounds at Westmead Hospital.

DENT5230
Behaviour and Dental Management 3
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Leda Mugayar **Session:** Semester 1 **Classes:** clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect **Assessment:** tutorials (20%), clinical (50%), exams (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Dentistry PG Non-Degree.

This course gives students knowledge and skill in the management of medically compromised patients and covers this important aspect of dentistry in detail, with special reference to the multi-disciplinary nature of diagnosis and treatment of medically compromised patients. It covers the implications for dental treatment in patients ranging from

the child to the geriatric patient with cardiac, respiratory, neurological, oncological and other special needs.

DENT5231
Growth, Development and Aging 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Leda Mugayar, A/Prof Angus Cameron **Session:** Semester 1 **Classes:** clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect **Corequisites:** DENT5230 **Assessment:** tutorials (20%), clinical (50%), exams (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Dentistry PG Non-Degree.

This course covers general growth and development from conception through infancy and childhood to adolescence/adulthood with special reference to the orofacial complex. An understanding of the basic processes of normal growth and development and how perturbations result in abnormalities will be achieved.

DENT5232
Restorative Dentistry 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Leda Mugayar and Dr Christine Wallace **Session:** Semester 1 **Classes:** clinical prac 25.5 hr/wk **Assessment:** tutorials (20%), clinical (50%), exams (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Dentistry PG Non-Degree.

This course ensures that students have an evidenced-based approach to clinical dentistry and are expert in the delivery of clinical care. It will be the foundation of clinical practice in this discipline and covers all the clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children, adolescents and adults. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a sound understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

DENT5233
Behaviour and Dental Management 4
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Leda Mugayar **Session:** Semester 2 **Classes:** clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect **Prerequisites:** DENT5230 **Assessment:** tutorials (20%), clinical (50%), exams (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Dentistry PG Non-Degree.

This course gives students knowledge and skill in the management of medically compromised patients and covers this important aspect of dentistry in detail, with special reference to the multi-disciplinary nature of diagnosis and treatment of medically compromised patients. It covers the implications for dental treatment in patients ranging from the child to the geriatric patient with cardiac, respiratory, neurological, oncological and other special needs.

DENT5234
Growth, Development and Aging 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Leda Mugayar, A/Prof Angus Cameron **Session:** Semester 2 **Classes:** clinical prac 20 hr/wk, 1x3hr tut, 5x1hr lect **Prerequisites:** DENT5231 **Assessment:** tutorials (20%), clinical (50%), exams (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Dentistry PG Non-Degree.

This course covers general growth and development from conception through infancy and childhood to adolescence/adulthood with special reference to the orofacial complex. An understanding of the basic processes of normal growth and development and how perturbations result in abnormalities will be achieved.

DENT5235
Restorative Dentistry 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Leda Mugayar and Dr Christine Wallace **Session:** Semester 2 **Classes:** clinical prac 25.5 hr/wk **Prerequisites:** DENT5232 **Assessment:** tutorials (20%), clinical (50%), exams (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Dentistry PG Non-Degree.

This course ensures that students have an evidenced-based approach to clinical dentistry and are expert in the delivery of clinical care. It will be the foundation of clinical practice in this discipline and covers all the clinical aspects of prevention, repair and maintenance of the primary and permanent dentition in children, adolescents and adults. The importance of sound diagnostic criteria leading to the creation of rational treatment plans is emphasised. The candidate should develop a sound understanding of differing treatment philosophies, materials and techniques. The importance of flexibility in treatment techniques to coincide with the advances in dental materials is stressed.

DENT5300
Basic Life Support and Resuscitation A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 1 **Classes:** Small group seminars and clinical sessions. **Corequisites:** DENT5301 **Assessment:** Clinical and theoretical work **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with advanced level life support and resuscitation procedures and methods.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5301
Theory and Practice of Dental Sedation A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 1 **Classes:** Small group seminars and clinical sessions **Corequisites:** DENT5300 **Assessment:** Clinical and theoretical work comprising written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class

DENT5302
Basic Life Support and Resuscitation B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 2 **Classes:** Small group seminars and clinical sessions **Prerequisites:** (DENT5300 and DENT5301) or (DENT5251 and DENT5261 and DENT5271) **Corequisites:** DENT5303 **Assessment:** Clinical and theoretical work **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with advanced level life support and resuscitation procedures and methods.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5303
Theory and Practice of Dental Sedation B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Clinical and theoretical work comprising written assignments **Session:** Semester 2 **Classes:** Small group seminars and clinical sessions **Prerequisites:** (DENT5300 and DENT5301) or (DENT5251 and DENT5261 and DENT5271) **Corequisites:** DENT5302 **Assessment:** Clinical and theoretical work comprising written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5304
Basic Life Support and Resuscitation C
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 1 **Classes:** Small group seminars and clinical sessions **Prerequisites:** (DENT5302 and DENT5303) or (DENT5252 and DENT5262 and DENT5272) **Corequisites:** DENT5305 **Assessment:** Clinical and theoretical work **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with advanced level life support and resuscitation procedures and methods.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5305
Theory and Practice of Dental Sedation C
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 1 **Classes:** Small group seminars and clinical sessions **Prerequisites:** (DENT5302 and DENT5303) or (DENT5252 and DENT5262 and DENT5272) **Corequisites:** DENT5304 **Assessment:** Clinical and theoretical work comprising written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5306
Basic Life Support and Resuscitation D
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 2 **Classes:** Small group seminars and clinical sessions **Prerequisites:** (DENT5304 and DENT5305) or (DENT5253 and DENT5263 and DENT5273) **Corequisites:** DENT5307 **Assessment:** Clinical and theoretical work **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with advanced level life support and resuscitation procedures and methods.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5307
Theory and Practice of Dental Sedation D
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Douglas Stewart **Session:** Semester 2 **Classes:** Small group seminars and clinical sessions **Prerequisites:** (DENT5304 and DENT5305) or (DENT5253 and DENT5263 and DENT5273) **Corequisites:** DENT5306 **Assessment:** Clinical and theoretical work comprising written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Grad Dip Clin Dent.

This unit provides students studying at the postgraduate level with an advanced level of experience in practical dental sedation methods and procedures, also with an overview of theoretical dental sedation methods and procedures.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5358
Clinical Procedures
Dentistry

Credit points: 8 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** small group seminars and clinical sessions **Assessment:** a combination of clinical and theoretical work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Clin Dent.

This unit requires students to undertake a wide range of clinical procedures at the postgraduate level relevant to the study of oral implants.

Textbooks
A recommended text book/reading list will be provided in class.

DENT5359
Case Studies
Dentistry

Credit points: 20 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** small group seminars and clinical sessions **Assessment:** a combination of clinical and theoretical work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Clin Dent.

This unit requires students to undertake a number of case studies appropriate to postgraduate level training in oral implants.

Textbooks
A recommended text book/reading list will be provided in class.

DENT6000
Research Methods in Dentistry
Dentistry

Credit points: 6 **Teacher/Coordinator:** Dr Manish Arora **Session:** Semester 1 **Classes:** 1x2hr lecture and 1x2hr tutorial/week x 10weeks **Assessment:** examination (90%) and class participation/tutorial (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc, M Phil (Dent), M Phil (Pharm).

This course is designed as an introduction to research methodology for postgraduate students undertaking or considering research, or who want to improve their ability to formally appraise a scientific paper. In designing this course, we have sought to provide some of the fundamental skills, allowing the student to undertake research in a methodical manner, and to advance the students' critical appraisal technique. The ability to critically evaluate journal articles is seen as an indispensable tool in the pursuit of clinical practice founded on Evidence-Based Medicine.

The first session involves an introduction to formulating a scientific question, including literature searching skills. From there we move on to an analysis of the various means by which measurements and associations are made: prevalence, incidence, odds ratio, and relative risk for example. Students will be shown how to calculate and interpret these measures using examples from the literature.

An introduction to the concept of the normal distribution, central limit theoem, and significance testing, including analysis and interpretation directly from previously published papers, serves as a prelude to topics covering confounding, effect-modification, selection bias, and measurement error. The concept of validity is covered in some detail, including content and criterion validity. Students will be taught the consequences of differential and non-differential miss-classification.

A detailed analysis of screening and test evaluation, including likelihood ratios and ROC curves is followed by a hands-on session detailing the power and sample size considerations important for any study. Specific examples from the field of dentistry are provided. Systematic reviews are also covered including a handy list of critical review sheets and statistical decision trees and tables.

Textbooks
An Introduction to Medical Statistics 3rd Edition. Author: Martin Bland. Publisher: Oxford University Press. Copyright: 2000.

DENT6010
Dental Research Studies 1

Dentistry

Credit points: 6 **Teacher/Coordinator:** A/Professor Chris Peck **Session:** Semester 2 **Classes:** Weekly attendance in research seminars (70% attendance required) and 2hr research sessions. **Prerequisites:** DENT6000 or DENT6126 or DENT6226 or DENT6276 **Assessment:** Assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides the introduction to a research project, including the development of a research proposal and literature review.

DENT6011
Dental Research Studies 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** A/Professor Chris Peck **Session:** Semester 1 **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. **Prerequisites:** DENT6010 or DENT6127 or DENT6227 or DENT6277 **Assessment:** Assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition.

DENT6012
Dental Research Studies 3
Dentistry

Credit points: 6 **Teacher/Coordinator:** A/Professor Chris Peck **Session:** Semester 2 **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. **Prerequisites:** DENT6011 or DENT6128 or DENT6228 or DENT6278 **Assessment:** Assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides continuation of a research project, including the refinement of research methodology and data acquisition.

DENT6013
Dental Research Studies 4
Dentistry

Credit points: 6 **Teacher/Coordinator:** A/Professor Chris Peck **Session:** Semester 1 **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. **Prerequisites:** DENT6012 or DENT6129 or DENT6229 or DENT6279 **Assessment:** Assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides continuation of a research project, including data acquisition and analysis.

DENT6014
Dental Research Studies 5
Dentistry

Credit points: 6 **Teacher/Coordinator:** A/Professor Chris Peck **Session:** Semester 2 **Classes:** Weekly attendance in research seminars (70% attendance required) and 6hr research sessions. **Prerequisites:** DENT6013 or DENT6130 or DENT6230 or DENT6280 **Assessment:** Treatise examination (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides continuation of a research project, including data analysis, treatise write-up and submission.

DENT6326
Periodontics 1ASC
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Chris Daly **Session:** Semester 1, Semester 2 **Classes:** clinical work and small group seminars **Assessment:** clinical work, written assignments and an examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is the foundation unit in the MDSc Periodontics program providing students with foundation level training at postgraduate level in periodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6327
Periodontics 1BSC
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Chris Daly **Session:** Semester 1, Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6326 **Assessment:** clinical work, written assignments and an examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is a foundation-level unit in the MDSc periodontics program, building on the first semester unit, providing students with intermediate level training at postgraduate level in periodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6328
Periodontics 2ASC
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Chris Daly **Session:** Semester 1, Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6327 **Assessment:** clinical work, written assignments and an examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is an intermediate-level unit in the MDSc Periodontics program providing students with intermediate level training at postgraduate level in periodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6329
Periodontics 2BSC
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Chris Daly **Session:** Semester 1, Semester 2 **Classes:** clinical work and small group seminars **Corequisites:** DENT6328 **Assessment:** clinical work, written assignments and an examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is an intermediate-level unit in the MDSc Periodontics program providing students with intermediate level training at postgraduate level in periodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6330
Periodontics 3ASC
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Chris Daly **Session:** Semester 1, Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6329 **Assessment:** clinical work, written assignments and an examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is an advanced level unit in the MDSc Periodontics program providing students with advanced level training at postgraduate level in periodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6331
Periodontics 3BSC
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Chris Daly **Session:** Semester 1, Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6330 **Assessment:** clinical work, written

assignments and an examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is the final advanced level unit in the MDSc Periodontics program providing students with advanced level training at postgraduate level in periodontics. Completion of this unit and all other units in the course will enable students to apply for specialist registration as a periodontist.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6382
Foundation Studies:Restorative Dentistry
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Dent (Restorative), M D Sc.

This unit provides an overview at the postgraduate level in restorative dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6383
Foundation Studies: Fixed Prosthodontics
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Dent (Restorative), M D Sc.

This unit provides an overview at the postgraduate level in prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6384
Foundation Studies: Removable Prostho
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Dent (Restorative), M D Sc.

This unit provides an overview at the postgraduate level in removable prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6385
Foundation Studies: Orofacial Pain
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Dent (Restorative), M D Sc.

This unit provides an overview at the postgraduate level in orofacial pain.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6386
Restorative Dentistry 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6382 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Clin Dent (Restorative), M D Sc.

This unit provides further training at the postgraduate level in restorative dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6387
Fixed Prosthodontics 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6383 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Clin Dent (Restorative), M D Sc.

This unit provides further training at the postgraduate level in fixed prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6388
Removable Prosthodontics 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6384 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Clin Dent (Restorative), M D Sc.

This unit provides further training at the postgraduate level in removable prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6389
Orofacial Pain 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6385 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Clin Dent (Restorative), M D Sc.

This unit provides further training at the postgraduate level in orofacial pain.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6390
Advanced Clinical Prosthodontics 1A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6387 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides advanced training at the postgraduate level in clinical prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6391
Advanced Clinical Prosthodontics 1B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6388 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in clinical prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6392
Advanced Clinical Prosthodontics 1C
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6389 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in clinical prosthodontics.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6393
Prosthodontics Research 1
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** independent research conducted under the guidance of a supervisor **Assessment:** ongoing leading to the production of a treatise at the end of the course **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides research training at the postgraduate level in prosthodontics.

DENT6394
Advanced Clinical Prosthodontics 2A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6390 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6395
Advanced Clinical Prosthodontics 2B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6391 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6396
Advanced Clinical Prosthodontics 2C
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6392 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6397
Prosthodontics Research 2
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** independent research conducted under the guidance of a supervisor **Prerequisites:** DENT6393 **Assessment:** ongoing leading to the production of a treatise at the end of the course **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides research training at the postgraduate level in prosthodontics.

DENT6398
Advanced Clinical Prosthodontics 3A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6394 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6399
Advanced Clinical Prosthodontics 3B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6395 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6400
Advanced Clinical Prosthodontics 3C
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6396 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6411
Prosthodontics Research 3
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 1 **Classes:** independent study in consultation with a research supervisor **Prerequisites:** DENT6397 **Assessment:** ongoing leading to the production of a treatise at the end of the course **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides research training at the postgraduate level in prosthodontics.

DENT6412
Advanced Clinical Prosthodontics 4A
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6398 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6413
Advanced Clinical Prosthodontics 4B
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6399 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6414
Advanced Clinical Prosthodontics 4C
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** clinical work and small group seminars **Prerequisites:** DENT6400 **Assessment:** clinical work and written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides further advanced level training at the postgraduate level in prosthetic dentistry.

Textbooks
A recommended reading and text book list is provided for this unit in class.

DENT6415
Prosthodontics Research 4
Dentistry

Credit points: 6 **Teacher/Coordinator:** Professor Iven Klineberg **Session:** Semester 2 **Classes:** independent study in consultation with a research supervisor **Prerequisites:** DENT6411 **Assessment:** examination of a treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This unit provides research training at the postgraduate level in prosthodontics and is the final research training unit in the course, resulting in the submission of a treatise.

DENT6428
Community Oral Health & Epi Research A
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Wendell Evans **Session:** Semester 1 **Classes:** independent research conducted under the guidance of a supervisor **Assessment:** ongoing leading to the production of a treatise at the end of the second unit **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is the first of two units in the MDSc (Community Oral Health and Epidemiology) providing students with research training at postgraduate level in the area of community oral health and epidemiology.

DENT6429
Community Oral Health & Epi Research B
Dentistry

Credit points: 24 **Teacher/Coordinator:** Associate Professor Wendell Evans **Session:** Semester 2 **Classes:** independent research conducted under the guidance of a supervisor **Assessment:** assessment of a treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D Sc.

This is the second of two units in the MDSc (Community Oral Health and Epidemiology) providing students with research training at postgraduate level in the area of community oral health and epidemiology.

DESA9001
Graduate Art Studio (Graphic Design)
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Ms Teena Clerke **Session:** Semester 1, Semester 2 **Classes:** 3hrs per week. Practical studio classes, slide lectures. **Assessment:** Attendance, portfolio of studio exercises, research and final project using digital media and presented in either digital or print form. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, PG Coursework Exchange.

The unit offers a systematic approach to understanding and utilising the processes of designing for visual communications. A series of studio lectures and practical sessions provides students with an introduction to design history and basic skills for applying the principles of design. The unit addresses the elements of design, page composition and use of typography and image. As research, students will be required to apply weekly studio exercises created with hand-generated media to a specific contemporary design context using digital software.

The unit objective is for students to develop an understanding of the basic principles and processes of visual communication which will provide a basis for digital media design. These will be applied to a range of design contexts using different graphic techniques and media.

The outcomes involve the application of design principles to a range of design situations using hand-generated media. Students apply these exercises to a finished print outcome, using digital processes. The final project submission will demonstrate an understanding of design purpose, suitability and style in a contemporary context. Students will be asked to evaluate design effectiveness and address the use of new technologies in a specified area of visual communication in a digital media presentation.

DESA9002
Graduate Art Studio (Graphic Design 2)
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Ms Teena Clerke **Session:** Semester 2 **Classes:** Three hours per week. **Prerequisites:** DESA9001 **Assessment:** Attendance, completion of three studio projects, each addressing the application and integration of type and image in a specified design context. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, PG Coursework Exchange.

Students will build on the knowledge and skills gained from completion of Graphic Design I.

On completion of Graphic Design 2, students will be able to apply the elements and principles of visual communication in a design context. These include typography, image generation and manipulation, layout and the use of colour and other graphic elements. Students will apply design process in the sending of specific messages to defined audiences to prompt actions. They will be able to demonstrate the application of typefaces and images for print and screen design discuss and evaluate the effectiveness of contemporary design practice and its relationship to design history.

The unit offers a systematic approach to understanding and applying design principles in the communication of specified design objectives. There are three studio projects; each project will include a lecture series, a written brief, and the discussion of research methodologies, project specifications and presentation requirements. Emphasis is placed on the juxtaposition of type and manipulated image in different contexts. Students will learn to address issues of suitability, legibility and readability in the dynamic application of type for both print and screen. Students will be required to generate original images based on individual visual research using photography, illustration and other methods. It is anticipated that students will have access to, and be familiar with, digital graphic design programs in order to complete the projects.

The outcomes include presentation of three projects, each addressing an understanding of design purpose, suitability and style in a contemporary context. The first project will be designing for print media, the second is screen-based and the third is self-selected, focusing on students' specific area of research. Students will be able to evaluate design effectiveness and address the use of new technologies in visual communication.

DESA9003
Graduate Art Studio (Photography)
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Ms Virginia Ross **Session:** Semester 1, Semester 2 **Classes:** Practical studio classes, slide lectures, class discussions, gallery visits, one to one tutor crit sessions. **Assessment:** Attendance/darkroom practice 15%, test on darkroom practice and techniques 20%, presentation of ideas that reflects upon the relationship of photography to your coursework programme 15%, creative ideas/images 20%, technical skills 20%, presentation of finished work 10%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, PG Coursework Exchange.

This practical unit aims to give students an understanding of how photography functions as a contemporary visual medium, including it's historical development and it's different applications in such areas as visual arts, architecture, mass media and digital media. Students will gain knowledge of the principles and practice of camera operations and the production of high quality black and white negatives and prints in small studio style classes. Students will begin to think about ways in which the photographs produced in this unit of study can be used in or relate to their coursework program. For example how darkroom based photography relates to digital media or exploring the connections between architecture and photography. This module covers the use of 35mm. SLR camera, image composition, use of lighting, film developing, printing photographs and experimental techniques. Photographs of a wide range of subjects such as still lives, land and cityscapes and portraits will be produced. Practical work includes darkroom and studio work and gallery visits.

On the successful completion of this unit you will be able to: (1) demonstrate your knowledge of camera operations, film and print developing through darkroom practice and the production of a portfolio of black and white prints; (2) use an understanding of photography practice and theory to inform decision making in your creative process as well as entering into thoughtful debate; (3) reflect on your art practice through class and tutor crit sessions and from this point realistically evaluate your own work; (4) gain an awareness of how photography theory and practice relates your coursework.

Upon completion of this unit of study you will: have a body of knowledge in the field of photography; be able to exercise critical judgement, realistic self evaluation and imaginative thinking as outlined in the aims; be able to apply technical and conceptual skills as appropriate to photographic practice and furthermore develop your ideas about how these skills may be applied to new situations such as in your coursework program; develop the ability to plan and achieve a goal through a self directed final project.

DESA9004
Art: Materials, Process and Contexts
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Ms Jan Fieldsend **Session:** Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.First preference Master of Architecture students.

Associated degrees: M Arch, PG Coursework Exchange.

This studio-based unit will address both the practice and the theory of art production. It will be in two parts - a studio section in which each student will under-take a course in art practice in three media areas (for example: digital photography, sculpture and mixed media) and create either individual or collaborative art works; and a theory section in which students will investigate the cross-currents between the different media through reflection, seminars and open jury presentations. The unit will include a gallery visit, review and lectures that will assist participants in their media investigations. The emphasis will be on the relationships between different media and skills (materials and process) and ideas. Contact hours: 3 hours studio (incl. 1 gallery visit) per week per 13 week semester= 39 hours. Class and exhibition preparation, independent study: = 39 hours

DESA9005
Graduate Art Workshop
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Ms Jan Fieldsend. **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, PG Coursework Exchange.

Students may enrol in art workshop units of study as listed below. These studio-based units provide participants with the opportunity to explore a wide range of art and design practices. An awareness of current ideas and practice in contemporary visual art and design as well as how this knowledge may relate to architectural design is integral to these workshops. At the successful completion of a particular medium students will have: produced a body of work in a particular medium, be able to use an awareness of contemporary art theory and practice to inform decision making in their creative work as well as being able to reflect upon and realistically evaluate their own work. Art workshops on offer are: Screen printing, Painting, Ceramics, Sculpture, Mixed Media, Object Design, Site-Specific Art, Advanced Art.

DESC9011
Audio Production
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Michael Bates **Session:** Semester 1 **Classes:** 3 hours per week lectures and studio work **Assessment:** A project and accompanying report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics), Grad Dip Des Sc (Audio Des), Grad Dip Des Sc (Audio&Acoustics), M Des Sc (Audio Des), M Des Sc (Audio&Acoustics), PG Coursework Exchange.

The practice of audio production is a form of constructing discourse, with its own poetics i.e. its own grammar, its own conceptual shorthand, its own languages, and a multiplicity of genre, structures and forms that it sources and references albeit often tacitly or transparently.

This unit will look at the current tools and techniques, as well as the underlying strategies, processes and inherent philosophies involved in the various audio production modes. It will compare and contrast broadcast and other media production methods and ideologies including music recording, radio production, sound for picture, and new media, with reference to location recording practices.

The unit will examine various sound design philosophies, conventional and 'non-conventional' production models, different definitions by and of producers and provide by way of context a brief history of the impact on production practice by technological change. The producer's role

in the process of the creation of meaning will be examined in cultural as well as technical contexts of compositional practices.

The unit will encourage debate about and a demystification of current production processes and will aim at developing and extending production techniques towards an individual aesthetic.

Students will achieve a basic familiarity and proficiency with mixing consoles, the fundamentals of multi track recording and digital editing; demonstrate an ability to communicate their ideas, and articulate the reasons for their choices of production methods; and work successfully within a group dynamic.

Students are expected to work in groups to produce an audio project in one or more of the following areas: drama, feature, documentary, sound composition, or music recording.

Students are expected to: participate in the workshops; complete class exercises/constructions; read additional materials to discuss in classes; submit a script, composition or otherwise detailed proposal for recording and postproduction with detailed raison d'aitre of production values; produce and present on Audio CD a completed project, including documentation, evidence of background research, a commentary on the production and production outcomes, track sheets, mixing notes. It may be an adaptation or original work. Themes will be discussed in class.

DESC9014
Building Construction Technology
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** A/Prof Warren Julian **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** 4 assignments (20%, 30%, 25%, and 25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build Serv), Grad Dip Des Sc (Build), M Arch, M Des Sc (Build Serv), M Des Sc (Build), M Des Sc (Build), M Des Sc (Build Serv), M E S, PG Coursewo.

This unit aims to provide students with knowledge of the environment in which professional engineers operate in the building industry; to introduce an understanding of the design and construction of building elements, the fundamentals of heat transfer and effects of external conditions on indoor comfort, and the fundamentals of vertical transportation within buildings; to explore the requirements of the Building Code of Australia (BCA); and to discuss influences on the indoor environment such as services coordination and vibration.

Students are provided with an appreciation of building construction technology relevant to the work of the building services engineer. The unit emphasises aspects of the built environment that are of concern to the building services engineer, particularly in the early design stages.

It is expected that students will acquire an understanding of requirements of the BCA and statutory regulations; a knowledge of principles for the design and construction of building structural elements; space requirements for the integration of services into the building fabric; and heat transfer through the building skin including solar effects on buildings.

Assignments will test students, understanding of BCA requirements, processes of structural system selection, interaction between the external and internal environments, and principles of vertical transportation.

DESC9015
Building Energy Analysis
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Prof Richard Hyde **Session:** S2 Late Int **Classes:** Lectures, seminars **Assessment:** 3 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Audio Des), Grad Dip Des Sc (Audio&Acoustics), M Arch, M Des Sc (Audio Des), M Des Sc (Audio&Acoustics), PG Coursework Exchange.

The aim of the unit is to acquaint students with the range of analytical and design tools available for low energy building design; to provide the opportunity for students to become proficient at using some of these tools.

Among the techniques and tools explored are: climate data analysis; graphical and model techniques for solar studies; steady state and dynamic heat flow analysis; simplified methods for sizing passive solar elements; computer models of thermal performance; modelling ventilation; estimating energy consumption. Emphasis is given to tools which assist the design of the building fabric rather than building systems.

At the end of the unit it is expected that students will: be aware of the importance of quantitative analysis in the design of low energy buildings; have an understanding of the theoretical basis of a range of analytical techniques; be familiar with the range of techniques available for building energy analysis; be able to apply many of these to design analysis; be familiar with the range of thermal analysis computer software available; and be able to use a software package to analyse the thermal performance of a typical small scale building.

All of the assignments are designed to provide students with hands-on experience of each of the analysis tools.

DESC9019
3D Computer Graphics Concepts
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Marc Aurel Schnabel **Session:** Semester 1, Semester 2 **Classes:** One hour lecture and two hour computer lab per week. **Prohibitions:** DECO1008, DECO2103 **Assessment:** Assessment is based on assignments that are intended to develop and demonstrate an understanding of the foundation concepts of 3D computer graphics. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Dig Media), M Arch, M Des Sc (Dig Media), PG Coursework Exchange.

The objective of this unit is to serve as an introduction to 3D computer graphics technologies and photo-rendering. It will help students: understand specifications of 3D geometric entities within a sophisticated modelling package; assign colour and texture information to geometric entities; generate complex photorealistic images; develop skills processing images; and develop transferable conceptual skills that apply across different 3D packages and for different contexts such as modeling, animation, games assets, and photorealistic rendering.

This unit explores advanced systems of computer graphics in the context of design. A broad range of graphics technologies are considered with emphasis on 3D modelling and photorealism. This unit of study develops conceptual understanding and practical application of these techniques using commercial modelling and rendering packages.

At the conclusion of this unit students should be conversant with 3D modelling and photo-rendering terminology and have the ability to produce sophisticated photorealistic images using advanced visualisation systems.

DESC9040
Electrical Services
Architecture, Design and Planning

Credit points: 6 **Session:** S1 Late Int **Classes:** Lectures **Assessment:** Three assignments, equal weighting. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build Serv), M Des Sc (Build Serv), M Des Sc (Build Serv), PG Coursework Exchange.

The aim of this unit is to present basic principles of electricity and magnetism as necessary for an understanding of the application of electrical services in buildings; to introduce students to the applications of these principles to electrical distribution in buildings; to outline the principles of electric motors, transformers and switchboard design; and to introduce elementary principles of illumination and daylighting.

An understanding of electrical services is an essential requirement for building services practitioners involved in the design professions and the construction and building management industries. The unit is designed to provide an introduction to these services for recent graduates or diplomates in engineering, architecture or science and for people involved at a professional level in the building industry who do not possess a background in electrical engineering.

By the conclusion of the unit it is expected that students will gain basic knowledge of components of the electricity generating and distribution network external to and within buildings; the types and use of cables and enclosures in and around buildings; methods of assessment of loads and cable sizes; principles of operation of transformers and motors and the design of switchboards and earthing, emergency evacuation lighting and early warning information systems; an introduction to the fundamental principles of lighting design for interior and exterior applications; and a basic understanding of data transmission via copper wire and optical fibre.

Assignments will test acquired skills in electrical load estimation and the design of simple electrical distribution and artificial and day lighting systems.

DESC9042
Electrics Electronics & Electroacoustics
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 1 **Classes:** 3 hrs per week lectures and lab **Assessment:** Written assignments (50%) and practical tests (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

The aim of the unit is to give an understanding of electronic devices and terms, measurement units used in audio electronics, and basic DC and AC circuits; to demonstrate simple audio circuit characteristics (e.g. amplifier/filter characteristics), and simple construction/maintenance techniques; to give practice at reading schematics and circuit diagrams and using audio test equipment; and to examine safety aspects of using electrical/electronic equipment.

This unit will give students an understanding of electronics and electronic terms, and experience at using test equipment. Students will learn basic electric theory, electronic components and devices, measurement units, interpretation of schematics and circuit diagrams, use of audio test equipment, basic circuit construction and maintenance, fault-finding and safety issues.

By the end of the unit students will be expected to: be able to recognise electronic components as used in audio electronic circuits, and state their function; use appropriate units when discussing audio electronic concepts; understand the effect of frequency on various electronic devices and circuits; given a schematic or circuit diagram of a circuit, be able to explain its general operation, and pinpoint such elements as inputs, outputs, power supply and gain elements; be able to use appropriate test equipment correctly to find a simple fault in a circuit, and to analyse sound level and frequency distribution of a sound in a given space; be able to construct and test a simple circuit, given a circuit diagram, and to explain and verify the circuits operation; and be able to state important precautions to be taken when operating or handling audio components, and safety considerations when dealing with electrical systems.

Students will demonstrate their understanding of the theoretical component of the unit by performance in the written test, and will be required to demonstrate competence in using test equipment.

DESC9047
Strategic Facility Management
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S1 Intensive **Classes:** Lectures **Assessment:** 2 assignments 50% each **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Fac Man), Grad Cert Des Sc (Sustainable Des), Grad Cert F M, Grad Dip Des Sc (Fac Man), Grad Dip F M, M Arch, M Com, M F M, M Des Sc (Fac Man), M F M, PG Coursework Exchange.

This unit is an introduction to forward planning of facilities and its impact on their management, since adjustments and alterations to facilities occur much slower than corporate decision can be made.

It is a management discipline, and as such relies on the central topics of business finance, information systems, and of course management per se.

The teaching proceeds from an examination of the purpose of organisations and how the facility assists (or hinders) it achieving its goals. Indeed, explaining this understanding is the subject of the first Coursework assignment.

In this first half of the unit we will examine the purpose of 'organisations' and scrutinise what we mean by 'facilities' and how they assist organisations to meet their goals. This includes examination of their capital (CAPEX) and operating expenditures (OPEX) that the provision and operation of facilities involve. We shall consider the procedures necessary to obtain this information, and how to identify those areas that have 'elasticity' and are therefore amenable to management initiatives.

In the second half of the unit we will consider the overlap between the human resource and the facility, and the implications for the facility manager. In this regard, occupational health and safety issues are germane. The second coursework assignment will require attendees to consider the means to measure the performance of facilities in order to relate them to corporate purpose.

Textbooks

Best.R, Langston.C, De Vallence.G (2003) Workplace Strategies and Facilities Management: Building in Value, ISBN:0-7506-51504

DESC9048
Operational Facility Management
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S2 Intensive **Classes:** 4 day intensive **Assessment:** Two assignments of 50% each **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Fac Man), Grad Cert Des Sc (Sustainable Des), Grad Cert F M, Grad Dip Des Sc (Fac Man), Grad Dip F M, M Arch, M Com, M F M, M Des Sc (Fac Man), M F M, PG Coursework Exchange.

This unit is concerned with the day-to-day operations required to run an organisations facilities.

The first part of the unit looks at external constraints on corporate priorities in which the issues are identified and discussed. This includes the theoretical issues influencing why an organisation locates where it does. It considers the legislative planning framework that might constrain free choice.

In the second part of the unit consideration is given to involving the workforce in the facilities management process, and an example will be presented for use by participants in their coursework assignment. The fundamentals of workplace ergonomics are introduced.

The third part of the unit will take an overview of four of the major facility operational areas that are amenable to management; Security, Cleaning, Energy, and Repairs and Maintenance, which between them consume the major portion of facilities costs.

Finally the establishment of management practices, policies and procedures will be discussed, and the basis for the second coursework assignment set.

DESC9049
Financial and Managerial Accounting
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S1 Late Int **Classes:** 4 day intensive **Assessment:** Two group assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Fac Man), Grad Cert Des Sc (Sustainable Des), Grad Cert F M, Grad Dip Des Sc (Build Serv), Grad Dip Des Sc (Fac Man), Grad Dip F M, M Com, M F M, M Des Sc (Build Serv), M Des Sc (Build Serv), M Des Sc (Fac.

Facilities management is a subset of business management: As such, no 'management' can be exercised without first matching the need

for resources against the resources available. This necessarily involves the financial and accounting information systems of the organisation, and the 'tools' necessary to extract information in order to make informed decisions.

The unit is in two halves: The first deals with management accounting. Students will learn how to interpret the standard historical information regarding organisations via the balance sheet, profit and loss statement, and cash flow forecast. Students will gain an appreciation of the underlying assumptions behind these performance measures and will learn how to interpret this information in order to recognise good and poorly performing businesses.

The second half examines cost accounting, ie. the internal generation and flow of management information for financial control.

Students will also gain an appreciation of accounting as a forward-looking managerial tool for controlling the conduct of an organisation. This will include an understanding of the budgeting process and how it can be utilised to achieve the Facility Management mission.

DESC9050
Fire Protection Services
Architecture, Design and Planning

Credit points: 6 **Session:** S2 Intensive **Classes:** Lectures and computer laboratory. **Assessment:** Two assignments, 50% each. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

Objectives: to provide students with the knowledge and skills to design water-based fire suppression systems and fire detection systems for the more commonly encountered fire risks, and to impart an understanding of the basic principles of fire safety engineering. Content: fire safety in large modern buildings depends heavily on fire detection and suppression systems. This unit explores design rules for manual and automatic water-based systems intended to extinguish fires and detection systems designed to give early warning of fire. It also introduces the fundamental principles of fire safety engineering and their application in lieu of prescriptive rules. Outcomes: it is expected that students will complete the unit with sufficient knowledge to be able to design fire hydrant and hosereel, automatic sprinkler and fire detection systems for large buildings and that they will have a broad understanding of the principles of fire safety engineering, sufficient to enable them to consider some of the alternatives to conventional prescriptive design. Assignments will test design skills learned during the progress of the course.

DESC9059
Hydraulic Services
Architecture, Design and Planning

Credit points: 6 **Session:** S2 Intensive **Classes:** Intensive **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

Presents principles, concepts assumptions, rules and regulations required for the analysis and design of hot and cold water supply systems, and stowmwater drainage systems, including stormwater retention systems and systems for piped gases for commercial and industrial buildings.

DESC9067
Mechanical Services
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Alan Obrart **Session:** S1 Late Int **Classes:** 5 day intensive **Assessment:** Six assignments (2 x 10 per cent, 2 x 15 per cent, 2 x 20 per cent) and a laboratory report (10 per cent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build Serv), M Des Sc (Build Serv), M Des Sc (Build Serv), PG Coursework Exchange.

The objectives of this unit are to review relevant principles of thermodynamics and fluid mechanics; to introduce students to practical applications of these principles to the processes of heat load estimation and the distribution of fluids as heat transfer media and to the design of simple air conditioning and ventilation systems; to outline elementary principles of noise control in buildings; and to outline the basic principles of water supply, drainage and water-based fire suppression systems in buildings.

Mechanical services are an essential component of most modern commercial buildings with a strong influence on other services and the architecture. This unit provides an introduction to these services for recent graduates or diplomates in mechanical engineering and an understanding of fundamental principles and practice for people from backgrounds other than mechanical engineering.

Students should acquire skills in estimation of building cooling and heating loads, design of simple air-conditioning systems and the design of piped systems for the circulation of water and refrigerants as heat transfer media. Students should also gain an understanding of the principles of energy and mass transfer underlying mechanical services systems and fundamentals of noise control, water supply and drainage and fire suppression systems.

Assignments will test the students' ability to apply knowledge and skills gained in lectures. They include simple applications of thermodynamics and fluid mechanics, estimation of building cooling and heating loads and the design of a piped system for water circulation, a refrigerant transport system and a simple air-conditioning system.

DESC9071
Organisational Analysis and Behaviour
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S1 Late Int **Classes:** Lectures **Assessment:** Two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Fac Man), Grad Cert Des Sc (Sustainable Des), Grad Cert F M, Grad Dip Des Sc (Fac Man), Grad Dip F M, M Com, M F M, M Des Sc (Fac Man), M F M, PG Coursework Exchange.

Organisations exist because individuals can achieve far more when they work together than they can singly. However, individuals have to subordinate their own motives to that of the organisation. This unit examines the social science theories that offer explanations allowing organisations to harness the best from the individuals that comprise it. The physical workplace effects individuals, hence organisations.

Of great importance to the organisations are the areas of industrial relations and human resource management, as they are key to maintaining a harmonious working environment. Clearly, the facilities manager is part of the team ensure harmony prevails.

This unit examines six areas: the individual in an organisation; groups in an organisation; the structure of the organisation; the way organisations evolve and change; organisational management; industrial relations.

Textbooks
McShane.S, Von Gilow.M (2004) Organizational Behavior: Emerging Realities for the Workplace Revolution, ISBN: 0-072976861

DESC9074
Project and Contract Management
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S2 Intensive **Classes:** 4 day intensive **Assessment:** Two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Fac Man), Grad Cert Des Sc (Sustainable Des), Grad Cert F M, Grad Dip Des Sc (Build Serv), Grad Dip Des Sc (Build), Grad Dip Des Sc (Fac Man), Grad Dip F M, M Arch, M Com, M F M.

The ability to manage depends upon the availability of appropriate information. Collecting, storing, and maintenance of information have resourcing costs. Information needs have to be assessed, and systems produced to ensure that the correct data is collected, stored correctly, and up-dated.

Contracts are supported by a large body of law and precedents decided by courts. This body of knowledge needs to be understood in general terms.

Initially facility managers must identify and define the services that are needed, and that their employers are willing to endorse to sustain the facilities for which they are responsible. Facility managers then have to assess the best means of having those services.

Whatever the decisions on in-sourcing or out-sourcing, work specifications and contracts need to be developed, and means of performance measurement derived. Allocating the responsibility for supervision and policing of the work has to be defined.

Project management is a specific form of establishing, programming, and coordinating an activity having a specific start point and end point. This unit will develop the student's ability to ascertain and document the scope of a project, schedule a program, and understand the difficulties in directing it.

Textbooks
Burke.R (2007) Introduction To Project Management ISBN:0-9582-733-3-2

DESC9090
Audio Systems and Measurement
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 2 **Classes:** Three hours per week lectures and lab. **Assumed knowledge:** DESC9138 **Assessment:** Laboratory, project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

Students will learn to make and understand a wide range of acoustical and electroacoustical measurements, assessed through laboratory work; students will learn major aspects of sound system design, assessed through project work; students will work in small groups in laboratory and project work; Audio Systems and Measurement will develop knowledge and practical skills in electroacoustics; and the laboratory and project work will extend thinking and personal skills, so that students can apply the unit content to new situations.

Upon completing Audio Systems and Measurement, students will be expected to understand the implementation and limitations of a wide range of acoustical measurement techniques, such as sound pressure, sound intensity, sound power, source directivity, reverberation, intelligibility, echo interference, subjective quality, and component distortion. Students will also be expected to be able to design sound reinforcement systems, and to model system performance using various theoretical techniques.

DESC9091
Digital Media Production
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Kirsty Beilharz **Session:** Semester 1, Semester 2 **Classes:** One hour lecture and two hour computer lab per week. **Assessment:** Includes analytical tasks; using capturing, editing and production skills and demonstrated knowledge of digital media production applied to a folio of digital elements. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Dig Media), M Des Sc (Dig Media), PG Coursework Exchange.

The objectives of this unit are to develop knowledge of the background of digital media; understand design concepts for digital media; develop an understanding of digital media types and processes; develop an understanding and skills needed to prepare media for integration in different outputs : CD-ROM, the Internet, DVD, etc.

This unit of Study provides foundational knowledge and understanding of digital media formats and production. It prepares the student with production skills that will be implemented and integrated in related interactive multimedia design and Website design units of study.

At the completion of this unit students should have an in-depth understanding and practical experience in the production of digital media for interactive multimedia on CD-ROM and Internet-based applications; the ability to critically assess the resources needed and technical demands required for a digital multimedia project; an understanding of production processes; skills and samples demonstrating basic image, sound and video production.

DESC9092
3D Animation 1
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Steven Gilandas **Session:** Semester 1, Semester 2 **Classes:** Three hours computer lab per week. **Prerequisites:** DESC9019 **Prohibitions:** DECO3006 **Assessment:** assessable class tutorials and stage submissions of the final project involving design and implementation of animation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to students in the Design Computing or Digital Media stream.

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Dig Media), M Des Sc (Dig Media), PG Coursework Exchange.

Conceptually based on traditional 2-dimensional animation, 3D Animation 1 introduces highly sophisticated computer animation workflow and techniques, which are the key to acquiring knowledge and skills in representing motion.

3D Computer Animation is a time based medium that utilises advanced software with an intuitive API to provide the user with tools for creative control on complex forms, characters, lighting, textures, cameras and much more. The process of rendering a consecutive sequence of images within a scene in which relative motion of objects, changes in objects over time, and camera movement, provide the illusion, also referred to as animation. The objective of this unit is to introduce storyboarding and keyframe-based animation methods in the framework of the 3-dimensional medium. Students are expected to gain a thorough understanding of the components that are involved in the development and implementation of an animated sequence in a 3-dimensional environment.

DESC9111
Energy Management in Buildings
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S2 Intensive **Classes:** 5 day intensive **Assessment:** Two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, M Com, M F M, PG Coursework Exchange.

The objectives of this unit are to give students an understanding of energy consumption issues in buildings through both design and through operation and to give students an awareness of energy auditing, and current energy conservation techniques.

This unit is primarily concerned with the management and control of electrical power delivered via the grid.

We start with the commercial electricity sales environment; the rental of transmission lines, the rental of the utility company's infrastructure, the non-fossil fuel obligation, and tariff structures.

We will concentrate on the processes and the considerations involved in undertaking an energy audit, which will also be the focus of assignment 1. The options for demand management, including outsourcing will be examined. Passive energy design, which 'locks in' future energy usage will be presented. Active energy systems and their fundamentals : lighting, air conditioning, hot water, ventilation, vertical transportation, and machinery, will be reviewed. Finally methods of assessing energy performance including computer simulation will be covered.

Textbooks
SEDA (2000) Tenant Energy Management Handbook, ISBN: 0-7313-9740-1, CIBSE (1998) Guide F: Energy Efficiency in Buildings, ISBN 0-900953-86-1

DESC9112
Service Provision

Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S1 Intensive **Classes:** 4 day intensive **Assessment:** Two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Com, M F M, PG Coursework Exchange.

This unit deals with facilities services delivery. The objectives of this unit are to give students tools to assess the financial viability of carrying out facility management tasks through in-house or out-sourced labour and to expose students to the range of service contracts available. Initially facility managers must identify and define the services that are needed, and that their employers are willing to endorse to sustain the facilities for which they are responsible. Facility managers then have to assess the best means of having those services delivered. The advantages and disadvantages of in-house and outsourced servicing need to be considered. An understanding of workplace relations will be essential as most FM tasks are labour intensive. Dealing with direct in-house labour demands more of the facility manager than out-sourced labour.

Whatever the decisions on in-sourcing or out-sourcing, work specifications need to be developed, and means of performance measurement derived. Allocating the responsibility for supervision and policing of the work has to be defined. If in-house, work needs to be programmed and resourced. If out-sourced, then various forms of contracting will need to be considered, and a tendering process undertaken. Change management is needed in moving from one form of servicing to another.

Textbooks

Normann.R, (2002) Service Management: Strategy and Leadership in Service Business, ISBN: 0-471-49439-9

DESC9113
Computer Aided Facility Management
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S2 Intensive **Classes:** Computer laboratory **Assumed knowledge:** DESC9047 and DESC9048 **Assessment:** One assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Com, M F M, PG Coursework Exchange.

The ability to manage depends upon the availability of appropriate information. Collecting, storing, and maintenance of information has resource costs. Information needs have to be assessed, and systems produced to ensure that the correct data is collected, stored correctly, and up-dated. Currently an international communications protocol for building information transfer and sharing (ifc) is being promoted, and is likely to radically modify and ease facility management in the future.

Managing large amounts of information requires a computer system. If, in facilities management operations, data needs to be connected to drawn information the necessary systems become more complex.

This unit presents: an awareness of the design and operation of databases and query languages; the resources available to establish, operate and maintain information systems; information need in terms of FM operations, key performance indicators, and continuous improvement; information systems and quality assurance considerations; the range and types of reports required from the information systems also needs prior consideration.

DESC9115
Digital Audio Systems
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 1 **Classes:** Ten lectures (3 hours each) Three laboratory sessions (3 hours each) **Assessment:** Three assignments: 70% Three laboratory reports: 30%. **Practical field work:** Practical exercises include programming a DSP chip in assembly language to perform real-time audio effects and the use of high-level software packages to generate, manipulate and analyse sounds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Permission required unless enrolled in the Audio stream. Enrolment numbers are limited by teaching resources.

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics).

The objective of this unit is to provide both a strong theoretical understanding of digital audio and practical experience in applying these principles to digital audio systems.

This unit offers a systematic approach to understanding digital audio systems. Beginning with basic principles the unit provides a knowledge base for understanding advanced digital audio components, systems and techniques. Examples of everyday audio signals are used and characterised in terms of their temporal and spectral properties. Practical application is emphasised and is supported through laboratory exercises that include programming as well as the use of current hardware and software packages.

Topics include: digital principles, digital systems, sampling and quantisation, 1-bit and multi-bit conversion, digital signal processing, filtering, spectral analysis, sampling-rate conversion, data compression (MPEG etc), effects processing (echo, reverb etc), virtual reality audio, mixing, editing, optical storage (CD and DVD), magnetic storage (DAT and disks) and transmission formats (AES/EBU, SPDIF etc).

Having successfully completed this unit the student will have the tools to understand what happens to a digital audio signal when a given process is applied to it; how to best apply this process and how to successfully combine digital audio components.

DESC9116
Loudspeaker Design
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Neville Theile **Session:** Semester 2 **Classes:** Three hours per week. **Assessment:** Three exercise-based assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Audio and Acoustics students.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

This unit aims to give students thorough understanding of the structure of a loudspeaker, its mechanical, electrical and acoustical properties, the conceptual tools for designing the various components that comprise a loudspeaker system, the effective use of these tools and the influence on the performance of loudspeaker systems of the acoustic environments in which they operate.

Material covered: loudspeaker drivers: construction & sources of non-linearity (i.e. distortion); electrical & acoustical concepts; electrical equivalents of acoustical circuits; transfer functions: thiele/small parameters; closed-box loudspeakers: box volume vs. parameters vs. sensitivity vs. low frequency response; vented-box loudspeakers: box volume vs. parameters vs. vent tuning vs. low frequency response; methods of measurement: testing; box & vent design & construction: proportions, damping, bracing, diffraction; multi-way loudspeakers: crossover networks; all-pass responses; directivity; interaction with crossover of response & impedance of drivers: phase response & time alignment; passive crossovers, advantages & disadvantages: components, coil design & construction; active crossovers: advantages & disadvantages: factorisation of transfer functions: equalisation; band-pass sub-woofers; horns; cables; the listening room & positioning of loudspeakers; subjective testing.

On completing the unit, students should be able to design loudspeaker systems, assess the qualities of existing systems that they encounter and estimate their appropriateness to the intended application.

DESC9117
Sound Design for New Media
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Michael Bates **Session:** Semester 1, Semester 2 **Classes:** Lectures, computer lab, and studio sessions **Assessment:** Project work (50%), written assignment (35%), class attendance and participation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student

Administration Centre. First preference to students in the Audio or Digital Media streams.

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics), Grad Cert Des Sc (Dig Media), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Audio Des), Grad Dip Des Sc (Audio&Acoustics), M Des Sc (Audio Des), M Des Sc (Audio&Acoustics).

The objectives of this unit are to introduce essential sound design concepts including editing, synchronisation, rhythm and audiovisual counterpoint; to provide an overview of the sound design for visual media process including development an understanding of the historical impact of film 'factory', radio and television broadcasting production antecedents on the design language; to learn skills in track-laying, mixing and mastering audio for different media and genres; to learn essential sound recording skills; to learn the creation of various psychoacoustic effects and atmospheres; and to learn essential file management and archiving skills; to learn essential post-production skills in computer-based sound design in a studio environment.

This unit is intended to give an understanding of the theory and practice of digital audio production for various visual media including digital video, web-based and interactive media.

Using the industry standard ProTools software the unit will look at current computer-based tools and techniques available to the sound designer, as well as examine the various underlying strategies, processes, and sound design philosophies. The unit will offer a grounding in the history, theory and criticism of sound design and its applicability to current digital visual media. It will introduce conventional and non-conventional production models across a range of media production modes in broadcasting and multimedia.

The sound designer's role in the process of creation of meaning will be examined in cultural as well as technical contexts of compositional practices. It is anticipated that the unit will encourage debate about and a demystification of current production practices. It will aim at developing and extending production techniques towards an individual aesthetic.

At the completion of this unit students will be expected to: understand the aural medium, essential concepts and terms; have an overview of film 'factory', radio and television broadcasting production antecedents on the design language; be acquainted with the history, theory and criticism of audiovisual technology and design; develop an audiovisual language; understand spatial aspects of sound design; and develop technical and conceptual skills in preproduction, general miking techniques, post-synchronisation dialogue, editing dialogue, producing sound effects, multi-track laying, selecting music, creating atmospheres and various psychoacoustic effects, synchronisation and related issues, and mixing sound for vision.

DESC9118
Building Design Practice 1
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Simon Hayman **Session:** S2 Late Int **Classes:** 4 day intensive **Assessment:** Assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build), M Des Sc (Build), M Des Sc (Build), PG Coursework Exchange.

The provision of good buildings that satisfy the wide range of client needs, community demands and social and environmental responsibility places significant demands upon building designers. The purpose of this unit is to introduce a performance-based approach on a range of single building design issues, with case studies, to provide guidelines in good design practice and their application. It is suitable for those with little or no building design experience.

By the completion of this unit the student will understand the principles of performance-based design and be able to apply it to simple design situations.

DESC9119
Building Design Practice 2
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Simon Hayman **Session:** S1 Intensive **Classes:** 4 day intensive **Prerequisites:** DESC9118 **Assessment:** Assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build), M Des Sc (Build), M Des Sc (Build), PG Coursework Exchange.

This unit develops the performance-based approach presented in Building Design Practice 1 with more complex and interacting issues. It is suitable for those with building design experience and emphasis will be placed upon the application of this approach to the students' own projects in their workplace.

By completion of this unit the student will understand how interrelationships can be expressed with performance-based design and be able to apply it to more complex design situations.

DESC9125
Digital Video Design and Production
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Caitlin deBerigny Wall (onacloV) **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Includes analytical tasks; using capturing, editing and production skills and demonstrated knowledge of digital video design and production applied to a major assessment incorporating all stages of digital video production. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to students of the Digital Media stream.

Associated degrees: Grad Cert Des Sc (Dig Media).

The objectives of this unit are to acquire digital production skills demonstrated by a final project; understand issues associated with video quality and compression; develop knowledge of output formats (codecs) for digital Video; understand the steps involved in digital video production; develop skills for shooting digital video.

This unit of study presents the student with a foundational perspective of the art and technology of digital video. Through practical exercises, the student will learn about core technologies associated with digital video production: video compression, audio synchronization, interfacing and capturing. Upon these basic skills, students will apply their knowledge to digital editing, transitions, digital video effects and batch rendering.

At the completion of this unit students will: emerge with a video clip demonstrating the stages of digital video production, capturing, compositing, editing and rendering of digital video; accrue knowledge and understanding of essential processes, practices and formats used in digital video design and production.

DESC9133
Architectural Acoustics Practice
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 2 **Classes:** Three hours per week lectures and lab. **Assumed knowledge:** DESC9138 **Assessment:** Two projects - one theoretical and one practical **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

This unit will cover a range of theoretical, practical and professional issues in architectural acoustics.

Codes and standards pertaining to architectural acoustics; Method and integrity of measurement; Room acoustical measurement, modelling, simulation and criteria; Sound absorption theory, measurement and specification; Sound insulation theory, measurement and specification; Design of spaces using acoustical criteria; and Field assessment of acoustical problems in and around buildings.

By the completion of this unit students will acquire knowledge and experience in areas commonly dealt with by the acoustical consulting

profession. They will gain an appreciation of current issues in architectural acoustics, possibly inspiring future research.

DESC9134
Audio Seminar
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 1, Semester 2 **Classes:** 1 hour seminar and individual supervision x 13 weeks **Prerequisites:** DESC9090 or DESC9133 **Assumed knowledge:** DESC(9138 and 9011) **Assessment:** Students will be required to do a small scale research project, which may be laboratory or studio based. This project will be presented in the seminar, and submitted with accompanying written report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit introduces students to a broad range of current research in audio and acoustics, and gives them experience in research. It consists of a series of seminars on current research projects presented by active researchers in audio and acoustics, together with individual or small-group supervision of small-scale research projects.

By completing this unit students will gain an understanding of the research process, and receive some modest experience in research. They will appreciate a range of research methods and subject areas at the forefront of audio and acoustics. They will be in a good position to assess their interest in undertaking further academic research.

DESC9135
Digital Audio Production with ProTools
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Michael Bates **Session:** S1 Late Int **Classes:** Lectures held as intensive weekend course (5 days) with computer laboratory sessions. **Assessment:** Written project proposal demonstrating further research and comprehension of conceptual aspects of the production process, class presentation and project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Permission required unless enrolled in the Audio Design stream. Enrolment numbers are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics).

This unit is intended to give an understanding of the principles and practice of computer-based audio production and post-production, through the focus of the industry standard ProTools software.

This unit will: introduce the student to multitrack audio production concepts and practices as used with a personal computer; give an understanding of the specialised approaches and techniques used with various media, genres and formats; teach skills in computer-based audio production by way of lectures, practical demonstrations and individual or small-group practical work, both in-class and by assignments.

Students will develop technical and conceptual digital sound recording skills across a wide range of production areas. They will gain an understanding of the implications of non-linear, hard disk based recording systems on production practices. They will develop sound design skills in composition, editing, signal processing and mixing, as well as data management and archiving.

DESC9136
Music Technologies
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Michael Bates **Session:** Semester 2 **Classes:** 3 hours per week lectures, computer laboratories, studio sessions **Assessment:** Students will be assessed by a series of small assignments, as well as a larger scale final project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. First preference to students in the Audio stream. If your attempt to enrol online is unsuccessful please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics).

This unit will introduce a wide range of electronic and computational approaches to music production, with a focus on analogue and digital sound synthesis, MIDI and audio sequencing, sampling, and inter-application synchronisation.

A range of concepts and practices will be examined including: the implications of non-linear recording technologies on music composition, sound design and studio production practices; music production for the internet; interactive and intelligent computer-music systems; virtual musical instrument design; and computer music programming.

Content covered: Sound synthesis theory and practice; Symbolic music and sequencing; MIDI, M-LAN, MPEG 4 and other recent developments in music technology; Sampling and re-processing; Interactive music technology and virtual musicians; Computer programming for music production; Real-time interactive networked music; and music for new media.

By completing the unit students will gain an understanding of many approaches to music technology, and will become adept at music production using computers. The knowledge acquired in this unit will be applicable to a wide range of music and audio production contexts including film, video and new media.

DESC9137
Spatial Audio
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 1 **Classes:** Three hour seminar per week. **Assumed knowledge:** DESC(9138 and 9011) **Assessment:** Two assessment tasks - a theoretical exercise-based assignment, and a practical production-based assignment. The practical assignment will be flexible enough to accommodate a wide range of student interests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

Unit content: Stereophonic, surround sound and binaural sound production techniques; Theory of auditory space; Spatial sound representation via single channel systems; Beyond localisation: spatial sound quality; Impulse response theory, measurement and prediction, and convolution; Auralisation for architectural design; Virtual sound space synthesis; Hybrid real/virtual sound spaces; and Interactive sound spaces and internet applications.

By completing this unit students will acquire: strong theoretical foundations in spatial audio; experience in spatial audio systems (physical and computational); an appreciation of spatial audio potential of emerging technologies; and an ability to integrate spatial audio into their broader practice.

DESC9138
Architectural and Audio Acoustics
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 1 **Classes:** Three hours seminar per week. **Assessment:** A series of small-scale assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Audio&Acoustics), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Audio Des), Grad Dip Des Sc (Audio&Acoustics), M Arch, M Des Sc (Audio Des), M Des Sc (Audio&Acoustics), PG Coursework Exchange.

This unit will introduce the fundamental concepts and issues of audio and architectural acoustics.

Unit content: basic acoustical concepts, quantities and units; principles of sound propagation; sound absorption and room acoustics; physiological and psychological acoustics; microphones and loudspeakers; spatial audio; noise measurement and specification; and principles and specification of sound insulation.

By completing this unit students will be able to understand acoustical terminology, and perform calculations applicable to sound in the environment, in buildings, and in audio contexts. They will have the ability to critically assess claims of acoustical performance. This unit will provide the theoretical foundation of advanced units in audio and acoustics.

DESC9145
Sustaining the Built Environment
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Bruce Forwood **Session:** S1 Intensive **Classes:** 5 day intensive **Assessment:** Written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build), Grad Dip Des Sc (Sustainable Des), M Des Sc (Build), M Des Sc (Build), M Des Sc (Sustainable Des), PG Coursework Exchange.

The unit will aim to heighten student's awareness of the major environmental and resource issues facing the planners and designers of the built environment; introduce and explore concepts of ecological sustainable development as they apply to the built environment and debate the roles that designers and planners should play in the development of a sustainable future.

Unit content: an environmental history of 20th century urban growth and development; the impact of climate change and environmental degradation upon the planning and design of the built environment; energy and resource flows in the built environment; the dimensions of ecological sustainable development; urban and regional planning perspectives on a sustainable built environment; the roles of governments, industries and professions in creating a sustainable built environment; the role of architects in creating a sustainable built environment.

Students will be expected to take part in structured discussions relating to the design and planning of a sustainable built environment and prepare a personal response to the issues raised in these discussions and other unit material. The unit will broaden students understanding of the significance of sustainable architectural practice and planning upon creating a sustainable future built environment.

DESC9146
Climate, Comfort and Sustainable Design
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Bruce Forwood **Session:** S1 Late Int **Classes:** 5 day intensive **Assessment:** Written assignment, project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Sustainable Des), M Des Sc (Sustainable Des), PG Coursework Exchange.

The aims of this unit are to establish the importance of climate and human thermal comfort as external and internal influences upon the form and substance of sustainable buildings; introduce a basic understanding of the thermal and other processes which create climate and influence human thermal interactions with their environment; introduce techniques for analysing and interpreting climates and specifying appropriate thermal dimensions for the spaces within sustainable buildings.

Unit content: (1) Climate: the meaning of the concept of climate; the elements of climate: solar energy, the atmosphere, longwave radiation, the carbon cycle, the water cycle, winds, the earth's energy balance; the causes and likely impacts of global climate change; the influence of climate upon built form; the consequences of climate change upon building design practice; climate data and its interpretation. (2) Thermal Comfort: energy balance of the human body and its thermal environment; thermal spatial dimensions and their impact upon human thermal sensations; traditional methods for defining and measuring thermal comfort; cultural and climatic influences upon thermal comfort ; the Adaptive Model of thermal comfort and its application to sustainable design of buildings. (4) Buildings as environmental filter.

At the conclusion of this unit students will be expected to demonstrate competence in understanding the operation of climates at global and local scales and in interpreting and analysing climate data for building design purposes; their ability to define appropriate thermal dimensions for buildings and their ability to apply this knowledge and these skills to a simple design exercise. The unit will broaden students understanding of the significance of considering climate and thermal comfort as essential design criteria for creating a more sustainable built environment.

DESC9147
Sustainable Building Design Principles
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Bruce Forwood **Session:** S2 Intensive **Classes:** 5 day intensive **Assessment:** Written assignment, project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Sustainable Des), M Des Sc (Sustainable Des), PG Coursework Exchange.

The aims of this unit are to develop an understanding and knowledge of the principles underlying sustainable building design practice, in particular those principles which relate to the environmental attributes of the building fabric, the creation of healthy and comfortable interior environments, the selection of appropriate building materials and the minimisation of embodied and operational energy consumption.

Unit content: environmental and health impacts of building materials; indoor air quality; embodied energy of building materials; understanding energy flows between buildings and their environment; the principles of passive solar heating strategies in cold and temperate climates; strategies for controlling solar and other loads on the building fabric; principles of cooling by natural ventilation; low energy mechanical cooling strategies; hybrid and mixed-mode cooling strategies.

By the completion of the unit students will be expected to demonstrate their knowledge of the relevant properties of building materials and construction elements which impact upon the environmental performance of buildings and to demonstrate their competence at applying this knowledge to the formulation of appropriate sustainable design strategies.

DESC9148
Sustainable Building Design Practice
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Bruce Forwood **Session:** S2 Late Int **Classes:** 5 day intensive **Assessment:** Written assignment, project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. First preference to Sustainable Design students. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Sustainable Des), M Des Sc (Sustainable Des), PG Coursework Exchange.

The aims of this unit are to explore the implications of applying sustainable building design principles on design practice; to evaluate and critique the sustainability of current design practice through an examination of current theory and professional ethics and the exploration of case studies; to explore the development of new sustainable design paradigms.

Unit content: the response of architectural practice to the rise of environmentalism in the 20th century; the emergence of passive solar architecture; ecologically sustainable design [ESD] and its impact upon current design practice; real and perceived barriers to a more sustainable design practice; impact of education and theory on practice; expressing the values of sustainability in built form; towards a new sustainable design paradigm.

By the completion of the unit students are expected to demonstrate an ability to critique current building design practice in relation to sustainable design principles; to demonstrate their knowledge of key

recent buildings which their designers claim to be sustainable and their ability to evaluate these claims; to enunciate a personal position on the impact of applying sustainable design principles on future design practice. The unit will broaden students understanding of the principles of sustainable building design and their impact upon future design practice.

DESC9149
Sustainable Design Workshop
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Prof Richard Hyde **Session:** Semester 1, Semester 2 **Classes:** Project work - private study **Assessment:** Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study provides an opportunity for applying the principles of sustainable design practice to a particular design project.

Unit content: the exploration of sustainable design principles in response to a design brief and the demonstration that the resulting design solution satisfies the intended sustainable design criteria.

By completion of this unit students are expected to demonstrate an ability to respond to the requirements of a design brief in order to produce a building design which demonstrably embodies the principles of sustainable design. The unit will broaden students' understanding of the principles of sustainable building design and their impact upon future design practice.

DESC9150
Sustainability Research Project
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Prof Richard Hyde **Session:** Semester 1, Semester 2 **Classes:** Project work - private study **Assessment:** Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des).

The unit will provide an opportunity for students to undertake supervised research on a topic related to Sustainable Design through intensive study of a particular aspect of sustainable building design. The study may take the form of a state of the art review, case studies, modelling, field study or a position paper on a particular issue. Students undertaking a masters dissertation could use this unit to explore and develop a potential topic.

Students are expected to demonstrate their ability to undertake, document and report upon a small piece of structured research related to Sustainable Design. The unit will broaden students understanding of the principles of sustainable design.

DESC9151
Introduction to Building Services
Architecture, Design and Planning

Credit points: 6 **Session:** S1 Intensive **Classes:** 5 day intensive **Prohibitions:** DESC2101, ARCH5202 **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build Serv), Grad Dip Des Sc (Build), M Com, M F M, M Des Sc (Build Serv), M Des Sc (Build), M Des Sc (Build), M Des Sc (Build Serv), PG Cours.

The objective of this unit is to provide students with sufficient knowledge of the principles of operation of the various services systems in buildings of larger than domestic scale in order to be able to contribute competently to the decisions that have to be made about these systems and to be aware of the implications of these decisions upon building design.

At the completion of this unit the student is expected to: understand the principles involved in the functioning of the systems (these principles should remain relevant in the future even if the technology changes); know about the technology currently available, and understand the issues involved in deciding between competing solutions (not necessarily to make a final choice but to contribute competently to a discussion about that choice); and be aware of the implications the system has on the planning of the building. This usually means the space occupied, the need for access for maintenance and the effect on floors below and above. In the case of lifts, escalators and stairs, the pedestrian traffic patterns created should be considered.

Topics covered include: strategic planning for services; air conditioning and ventilating systems; lifts and escalators; hydraulics systems; fire services; electrical services, lighting, security systems.

DESC9152
Lighting Design Masterclass
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** A/Prof Warren Julian **Session:** S1 Late Int **Classes:** Intensive studios **Assumed knowledge:** Lighting design fundamentals **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This is a studio-based program of advanced lighting design conducted by experienced practicing lighting designers. Application of lighting knowledge to the design of a lighting solution and its presentation in a form suitable for non-expert clients.

The student will learn how lighting design is conducted in a studio environment, from the brief, to understanding site conditions, to preliminary design, to the final design and client presentation skills.

DESC9153
Graduate Internship
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Relevant Program Coordinator **Session:** Semester 1, Semester 2 **Classes:** Fieldwork **Assumed knowledge:** Sufficient coursework to undertake guided professional work **Assessment:** Log book signed by practice supervisor and 2000 word report on the benefits of the internship; pass/fail only. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Masters students only. Graduate Diploma students with permission of the Program Coordinator.

Associated degrees: Grad Cert Herit Cons, Grad Dip Des Sc (Sustainable Des), Grad Dip Herit Cons, M Herit Cons.

The aims of the internship are to provide a direct link between the academic core of the course and the disciplines and methods of practice; to enable candidates to experience aspects of practice and provide the opportunity for them to work in areas of the field outside their specific expertise; to enable candidates to observe, analyse and comment on the interaction between theoretical and practical issues of their Program as it is practiced, and to establish connections between practice and the development of relevant research programs.

The internship is intended to provide the opportunity for students to work in various situations in their Program's area. A secondary intention is that students use the opportunities of placement to broaden their own experience beyond the limitations of their chosen discipline. Candidates must find a suitable professional placement. Permission to enrol is given after the proposed placement has been approved by the Program Coordinator. The host organisation will nominate a supervisor for the student for the internship. The student must complete at least 120 hours of full or part-time experience, supervised by a practicing designer (or other professional depending upon the field). A log-book of each day's work, signed by the supervisor must be submitted on completion. A 2000 word report on the benefits of the internship must also be produced.

At the end of the internship the student will: demonstrate that they have completed a program of work (through a log-book); present a report; analyse their experiences and compare these to the theoretical content of the units they have completed, and suggest appropriate research directions so as to improve the complementarity of theory to practice.

DESC9154
Lighting Design Software

Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** A/Prof Warren Julian **Session:** S1 Intensive **Classes:** Intensive. **Prerequisites:** 24 credit points **Assumed knowledge:** Lighting design fundamentals **Assessment:** Four assignments of equal value. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Graduate Diploma or Masters only. This unit of study is offered in even numbered years only.

Associated degrees: Grad Dip Des Sc (Sustainable Des).

Students will learn how to use software for the design of interior and exterior lighting. Rendering software will also be discussed and demonstrated. Assignments requiring the use of software, such as AGI, will demonstrate the achievement of the objectives. Content: types of software including product design, photometry, etc but emphasizing interior and exterior lighting design. Data formats. Availability of data. Exporting and importing (eg with AutoCAD). Basics of AGI and exterior software. Workshops and tutorials. Objectives and learning outcomes: students will understand lighting design software; understand limitations and calculation models; gain some experience in its use and understand the import and export of data.

DESC9155
Visual Perception and Digital Imaging
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr. Kirsty Beilharz and Hon. Assoc. Terry Purcell. **Session:** S2 Late Int **Classes:** Four days intensive. **Prerequisites:** DESC9091 **Assessment:** Includes analytical tasks and using capturing, software skills and knowledge about visual perception applied to a folio of digital images. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is offered in even numbered years only. Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Digital Media students.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

The objectives of this unit are to develop an understanding of the human visual sensory system; understand how we perceive texture and surfaces according to light; utilise knowledge of colour perception in design and imaging; understand digital handling of light and colour in capture and computational devices; develop skills to compose and manipulate digital images with particular relation to colour, light and visual perception.

This unit of study investigates human visual perception, optical sensory systems and the way we interpret light through surface, texture and colour. This knowledge is applied to the digital capture of images and software manipulation building on the foundations of visual perception. Visual perception involves surface and light: light in the environment, its relation to design, visual sensory systems, adaptation, textured and patterned surfaces, refraction, illumination and reflection. Colour perception and its influence on design and digital image composition is explored: metameric and complementary colours, partative and subtractive colour mixing, colour systems, hue, saturation, contrast, light levels, perceptual affects of adjacent colour, backgrounds, distance and environmental factors influencing visual images. Emotional, schematic and structural design effects of colour are considered.

Human visual perception is related to photographic and digital capture. Aperture, depth of field, colour temperature, white balance, how digital devices (cameras, scanners, monitors) handle light and colour will be discussed. The computational focus of this unit of study relates manipulation and management of digital images, light, colour and visual effects to our perception. The student will learn colour management processes and adjustment methodologies for hue, saturation, levels, blur, clarification and skills for image composition, framing and presentation.

At the completion of this unit students will have a folio of images captured and processed according to knowledge of visual perception and technical skills in digital imaging.

DESC9156
Digital Compositing and Visual Effects
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Kirsty Beilharz **Session:** Semester 1 **Classes:** Lectures and lab tutorials **Prerequisites:** DESC (9091 and 9092 and 9125) **Assessment:** Project work demonstrating knowledge of media integration, resulting from production processes considered during the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Digital Media students.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

The objectives of the unit are to develop knowledge of digital imagery, motion graphics, visual effects, sound synchronization and digital video; understand media types and functions; develop an in-depth understanding of the digital image and visual effects production process; and to develop skills using compositing, 3D animation, image editing, vector imaging, sound editing, video editing and burning (production) software applications.

Digital compositing is the integrated result of at least two source images or components. This unit of study focuses on developing an understanding of media types and functions. Students will expand media creation skills, utilising previously and newly acquired knowledge to develop a flowing, unified result.

Students will produce an integrated sequence from multiple images with synchronised sound, demonstrating understanding of the digital image and visual effects production process (output on VHS, CD, DV or DVD).

DESC9165
Lighting Design
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** A/Prof Warren Julian. **Session:** S1 Intensive **Classes:** Lectures and studio in intensive mode. **Prohibitions:** DESC9064 **Assessment:** 5 assignments (3 x 16.7 per cent and 2 x 25 per cent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Illum Des), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Illum Des), M Des Sc (Illum Des), PG Coursework Exchange.

Objectives: to develop the basic skills needed in the design of interior and exterior lighting. Content: this unit brings together the material of the four basic lighting units to develop the concepts and methodologies of interior lighting design. Topics covered include: the perception of colour, form, pattern and space, and issues relating to the perception and comprehension of the large-scale environment; aesthetics, perception and emotion; the limited quantitative procedures available for use in achieving the foregoing; the practical methods available for predicting illuminances from daylight and uniform arrays of luminaires; the prediction of discomfort; appraisals; codes of practice; economics; maintenance; integration of daylight and electric light. More advanced methods of interior lighting design follow, including: design appearance techniques; lighting systems; colour and atmosphere-creating; task analysis; choices of sources and luminaires; practical considerations of various lighting situations (e.g. domestic, offices, factories, hospitals, schools, etc.); special applications (stage, television, merchandising, agriculture, etc.). The requirements for various exterior lighting applications are discussed. Some topics are treated in greater depth (e.g. various floodlighting techniques) than others (e.g. road, tunnel, aircraft and navigation lighting). Topics covered include: general floodlighting requirements; floodlighting equipment; light distributions; calculation methods; area floodlighting; building floodlighting; road lighting; pedestrian lighting; tunnel lighting; vehicle lighting; traffic signals, airport lighting; navigation lighting; display lighting; advertising.

Various computer-aided design methods are discussed and demonstrated. Assignments based on computer-aided design are used as part of the assessment. Outcomes: the student will be able to design simple and complex interior lighting using manual and

computer-aided methods. The experience will include design for effect and atmosphere. The student will also be able to design exterior lighting for roads, sport and floodlighting. The outcomes will be demonstrated through individual design assignments.

DESC9169
Daylight in Buildings
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Simon Hayman **Session:** S1 Intensive **Classes:** Lectures in intensive mode. **Prohibitions:** DESC9106 **Assessment:** Design or research study **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Illum Des), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Illum Des), M Arch, M Des Sc (Illum Des), PG Coursework Exchange.

Objectives: The unit will introduce the physical processes behind the availability of daylight; explore the techniques for modelling daylight; explore design issues that result from daylighting needs; provide design information for the resolution of daylighting design problems; and outline the issues involved in integration of daylight and electric lighting.

Content: This unit provides an overview of research in daylight measurement and knowledge about the possibilities for daylight design for buildings. Topics include the atmosphere and daylight; sky luminance distributions; daylight measurement; daylight modelling including illuminance and luminance models; traditional daylighting techniques including building form, openings, glass and control devices; innovative daylight technologies including 'light shelves', 'beam' lighting and photochromic glasses; and economics of daylight including electric light supplementation.

DESC9170
Services Control Systems
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Alan Obrart **Session:** S2 Intensive **Classes:** Lectures and demonstrations in intensive mode **Prerequisites:** DESC9067 **Prohibitions:** DESC9077 **Assessment:** 8 assignments (3 x 5 per cent, 2 x 30 per cent, 3 per cent, 7 per cent, 15 per cent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

The unit will provide knowledge of electric control circuits and electric and pneumatic control elements as applied to the design of automatic control systems for air handling and refrigeration systems, and create an understanding of the selection and application of electronic, programmable logic and direct digital control systems.

Automatic control is an essential part of all air-conditioning systems. Satisfactory performance requires not only a well-designed control system but also an air-conditioning system designed to be controllable. This unit addresses practical application of automatic controls to common types of air-conditioning systems. Automatic control principles discussed are applicable to systems other than air-conditioning.

By completion of this unit it is expected that students will gain a knowledge of the capabilities and limitations of electric, electronic, pneumatic and computer-based control systems for HVAC applications with an understanding of the types of controllers available to perform automatic control functions; and that they will be able to design automatic control systems for HVAC applications and to prepare and understand control diagrams.

Assignments will test the knowledge gained by students in the above areas.

DESC9171
Vertical Transportation Services
Architecture, Design and Planning

Credit points: 6 **Session:** S2 Intensive **Classes:** Lectures in intensive mode. **Prohibitions:** DESC9084 **Assessment:** Two assignments, 50% each. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is offered in even numbered years only.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

Objectives: To present an understanding of the movement of people through high-rise buildings; to instruct students in regulations and standards affecting the vertical transportation industry; to examine available types of lifts, escalators and moving walks; to present the methodology of lift traffic studies and manual and computer-aided lift system design; to develop an understanding of lift power and control systems; and to discuss maintenance and repair and to consider possibilities for the future in the lift industry.

Content: Many modern building projects require installation of lifts or other means of moving people vertically. An understanding of the equipment used for this purpose together with associated design skills is therefore a valuable attainment for professionals and managers engaged with the building industry. This unit is designed to provide that understanding of underlying principles and practice.

Outcomes: It is expected that students will acquire a knowledge of the relationships between buildings, building populations and the lift installation; regulations and standards affecting lift, escalator and moving walk installations in Australia; the elements and construction of vertical transportation equipment; lift power and control systems; and traffic analysis calculations. Assignments will test the ability of students to apply the knowledge gained to the solution of practical problems in lift system design.

DESC9172
Building Asset Management
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S1 Intensive **Classes:** 4 day intensive **Prohibitions:** DESC9088 **Assessment:** Two assignments each at 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

This unit will examine the objectives of both private and public mass rental housing providers and consider the role that the built assets play. The buildings per se are a means to an end, as well as a 'product' in their own right. This examination will involve financial considerations of capital and operating costs. Also, 'market' research needs to be considered to ensure that the 'customers get what they want' as their needs and circumstances change over time. The second half of the unit will look at the principles and practices of managing the fabric of housing. The mechanics of maintenance, and the background systems that have to be out in place in order to keep this aspect of operations under control. The special considerations of Heritage buildings will be explored. At the successful completion of this unit students are expected to have an awareness of the internal and external factors that influence the management of mass housing, and be able to understand how these impinge on their own housing organisations. Students will be able to describe the 'functionality' of houses, and how they are supposed to work. Students will be able to structure and implement Management Information Systems from asset registration through condition and maintenance schedules. At the successful completion of this unit students will have demonstrated: an understanding of the external drivers that impinge on both public and private housing combines; an understanding of the internal drivers that impinge on housing combines; an ability to describe to a lay-person how a house is intended to work; an ability to create a structured asset register, and to identify key assets; an ability to include condition, and maintenance task schedules, and so be able to map future capital expenditures to maintain the housing stock at an appropriate level.

Student effort expected: contact hours: 24 hours per semester; class preparation: 8 hours per semester; assessment preparation: 46 hours per semester.

DESC9174
Theory and Practice of Digital Design
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Andy Dong **Session:** Semester 1 **Classes:** Two hours lectures per week. **Prohibitions:** DESC9139

Assessment: Three major assessments and one final research report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Des Comp), Grad Dip Des Sc (Dig Media), M Arch, M Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Dig Media), PG Coursework Exchange.

The unit of study develops the student's knowledge of the foundations of digital design including: design theory, new media theory, interaction theory, theory of computation, and critical theory. By articulating theory with its practice in digital design, the unit prepares students to pursue digital design practice and research in a manner that expands upon the potentials of the technologies as expressive, creative forms. Students explore the theoretical foundations through lectures, discussions, readings, and critical reviews of digital design works. Assessments in the unit of study progress students toward the preparation of an independent project proposal for a new work that makes creative and inventive uses of digital design technologies and thoughtfully contextualises the work within relevant artistic, political, or cultural landscapes.

The objectives of this unit are to develop a working knowledge of computing theory and practice on the tools and technologies supporting design computing and digital media through the implementation of useful systems; research and critically analyse contemporary issues in digital design media as portrayed in mass communications and socio-political contexts through the critical analysis of digital media; engage in a scholarly research towards the development of new knowledge on the reciprocal nature of design theory and computational tools for design practice through the production of a research report.

Student effort expected: contact hours: 3 hours per week; class preparation: 1hour per week; assessment preparation: 39 hours per semester.

DESC9175
Web Design and Programming
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Andy Dong and Dr Kirsty Beilharz **Session:** Semester 1, Semester 2 **Classes:** 1 hour lecture and two hours computer lab per week. **Prohibitions:** DESC9123, DESC9132, DESC9140 **Assessment:** Three major assessments will be required to demonstrate the student's knowledge of information design, information architecture, layout principles, and programming for web site design. Proportionate weight is given to aesthetic issues such as information design and page layout and technical issues such as programming style. Attendance and participation are part of the student's grade. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Des Comp), Grad Dip Des Sc (Dig Media), M Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Dig Media), PG Coursework Exchange.

The aim of this class is to provide students with the ability and knowledge to independently design and produce multi-page websites with special attention to information design, information architecture, and personalisation of the website experience. Using an HTML authoring tool and dynamic web page authoring languages, this unit of study offers students a hands-on approach to designing multi-page, interactive websites. Students will design and program a dynamic website supporting multi-way communication experiences. By the end of the unit of study, students will have designed and programmed a professional looking digital media infused website employing dynamic web pages and Flash interface elements to create a personalised web experience.

The objectives of the unit are: to design and program multi-page, dynamic website s using the industry's most current software packages; to assess and solve interface design issues using information design and information architecture principles and guidelines; to program static and dynamic web pages using HTML and dynamic web page programming languages by developing web pages with interactive and digital media infused content; to create a visual identity for a website through strategic information design by authoring web pages that are visually appealing; and to design an information architecture supporting personalised web experiences by creating a user-driven, multipage website.

Student workload effort expected: contact hours: 3 hours per week; class preparation: 1 hour per week; assessment preparation: 39 hours per semester.

DESC9176
Creative Systems
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Nick Kelly **Session:** Semester 1 **Classes:** 3 hours per week **Corequisites:** DESC9174 or DESC9139 **Assessment:** tutorials, report in form of an essay, project with report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

Design involves the production of the descriptions of new artefacts both physical and virtual. Parametric systems produce designs that are predefined variants of a starting design. Creative systems produce designs that are novel to varying degrees. This unit introduces the concepts of computational creativity and how they can be applied to creative systems for design. A number of computational processes capable of generating novel and creative results will be presented and used. Students will be expected to obtain a knowledge of computational creativity and the processes that can be used to produce novel and creative designs.

Upon completion of this unit, students will understand: computational models of creative design; rule-based generative systems; evolution-based generative systems; and analogy-based generative systems.

Student effort expected: contact hours: 3 hours per week; class preparation: 3 hours per week; assessment preparation: 39 hours per semester.

DESC9177
Computer Supported Collaborative Design
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Andy Dong **Session:** Semester 2 **Classes:** One hour lecture and two hours computer lab per week. **Prerequisites:** DESC9174 or DESC9139 **Prohibitions:** DESC9097 **Assumed knowledge:** DESC9175 **Assessment:** Two major assessments will be required to demonstrate the student's knowledge of computer-supported collaborative design systems. Attendance and participation are part of the student's grade. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

Design projects are increasingly relying on computer support for management. This unit of study covers the implementation and use of computer-supported collaborative design (CSCD) systems to solve a range of design management and collaboration issues in industry. The unit of study starts with a foundation in database management systems (DBMS) including the practical aspects of DBMS use with more theoretical aspects of database design methodologies and the internals of database systems. The unit of study then proceeds towards the analysis of the design and implementation of common CSCD systems focusing on technical and organisational perspectives on CSCD systems.

The objectives of this unit are to understand the design and implementation of computer systems to support synchronous and asynchronous, distributed, collaborative work by implementing components of a design collaboration portal; to assess the collaboration needs of a design organisation and the suitability of a CSCD system by analysing and reporting on a proposed CSCD system for a group of designers.

Student workload effort expected: contact hours: 3 hours per week; class preparation: 1 hour per week; assessment preparation: 39 hours per semester.

DESC9178
Computer Integrated Design
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Mike Rosenman **Session:** Semester 2 **Classes:** 3 hours per week **Prohibitions:** DESC9096 **Assumed knowledge:** Any computer-aided design platform (e.g. AutoCAD, ArchiCAD, Microstation) **Assessment:** 2 formative assessments and one summative assessment covering the initial stages of a design through to final presentation utilising the techniques covered in the unit **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build), Grad Dip Des Sc (Des Comp), M Arch, M Des Sc (Build), M Des Sc (Build), M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

Design processes are complex because a statement of what is to be designed contains only part of the information needed to produce a design and does not specify the attributes of the required physical form of the object to be designed. This unit aims to give the student an understanding of the concepts in the modelling and use of design information for use in computer systems through organisation of drawings and models, databases, data sharing and exchange, and standards. The information includes both graphical and non-graphical information. By gaining an understanding of the concepts and principles of integrating computers into the design process, students will develop skills to produce original design elements by extending the capability of a computer-aided design system.

The objectives of this unit are to extend existing skills in the use of an industry standard computer-aided design system; to develop an understanding of the need for the modelling of design information for use with computational systems to produce integrated and automated design systems; to gain an understanding of the concepts underlying the modelling, storage and use of design information including both graphical and non-graphical properties; and to acquire skills in using a commercial database system.

Student workload effort expected: contact hours: 3 hours per week; class preparation: 3 hours per week; assessment preparation: 39 hours per semester.

DESC9179
Ambient Visualisation with Devices
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Vande Moere **Session:** Semester 2 **Classes:** Three hours per week. **Assessment:** Students will be required to write a research paper that will review current movements in physical computing or ambient display. In addition, students will design and build a physical computing device that represents data in an ambient manner. Part of the assessment will be based on design presentations that will focus on the level of technical execution, original design exploration, programming performance and visual aesthetics. Attendance and participation are part of the student's grade. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Dip Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

This unit will introduce students to the principles of ambient information visualization and physical computing. Ambient display consists of aesthetic information representations that convey abstract data in the periphery of human attention, which is not necessarily limited to human vision. By incorporating creative design, typical issues of information communication become enriched by the focus on user experience and visual aesthetics. Students will be introduced to micro-controllers, sensors and actuators that are capable of sensing and controlling physical artefacts, and the relevant software tools, programming languages and networking protocols to drive these.

Potential fields of application include, but are not limited to, wearable devices, smart rooms, ubiquitous sensor nodes, intelligent clothing, home automation, electrical appliance extensions or interactive furniture. By the end of this unit of study, students will have reviewed current movements in the related scientific fields and have designed, built and programmed a smart, physical artefact that conveys information. Using the principles of multimodal visualization, these devices will trigger visual, auditory, tactile or olfactory human senses to represent data effectively to the user.

The objectives of this unit are to design, prototype and program a working prototype of an ambient visualization using a physical, computer controlled device that is driven by data; to be aware of and utilise a diverse set of physical input, output, sensor, controller and network devices; to research current developments in the field of ambient visualization or physical computing.

Student workload effort expected: contact hours: 3 hours per week; class preparation 1 hour per week; assessment preparation 39 hours per semester.

DESC9180
Designing Virtual Worlds
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr A Vande Moere **Session:** Semester 2 **Classes:** Three hours computer lab per week. **Prohibitions:** DESC9103 **Assessment:** Tutorial submissions on studying human behaviour in virtual worlds, modifying existing worlds, programming behaviours in a virtual world, programming a softbot; Design solution, reports, and presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

The aim of this unit of study is to introduce the basic techniques in designing and building virtual worlds for a variety of uses such as collaboration, entertainment, socialising, and education. The focus will be on the connection between the human activities supported and the virtual world infrastructure for supporting interactive, functional, multi-user environments. The outcome of the unit is to give students sufficient knowledge and hands on experience on software tools for designing and implementing virtual worlds that they can build interesting environments that pay special attention to the fundamental attraction that draws people to virtual worlds.

The objectives of this unit are to design an interactive virtual world for a specified activity; to create and compose the 3D models that comprise the world; to program the behaviours of the objects in the virtual world.

Student workload effort expected: contact hours 3 hours per week; class preparation 1 hour per week; assessment preparation 39 hours per semester.

DESC9181
Designing Immersive Spaces
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Xiangyu Wang **Session:** Semester 1 **Classes:** Three hours per week **Corequisites:** DESC9174 **Assessment:** Tutorial submissions on theoretical knowledge and one design term project; Individual exercises, project reports, and presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Dip Des Sc (Des Comp), M Arch, M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

The aim of this class is to provide students with the ability and knowledge to make use of software and hardware technologies such as head-mounted displays and large-scale screens to create immersive environments. This unit discusses the state-of-the-art of the advanced immersive visual interfaces and information visualization systems that have been applied and can be potentially applied in the area of design. Students will gain an understanding of principles and techniques for immersive spaces. The students will be expected to work on a term project where they will design and run an experimental study to address certain human-computer interface issues.

The objectives of this unit are to gain knowledge of hardware and software for virtual design space; to be familiar with the variety of techniques and methods for designing immersive spaces; to have

experience reading research papers and identifying the contribution of those papers; and to have experience designing and running a experimental study and performing data analysis.

DESC9182
Design Computing Graduate Studio
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Andy Dong **Session:** Semester 1 **Classes:** 6 hrs/wk **Corequisites:** DESC9174 **Assessment:** Tutorial submissions for programming, visualisation, and database tasks; design solutions, reports, and presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Dip Des Sc (Des Comp), M Des Sc (Des Comp), M Des Sc (Des Comp), PG Coursework Exchange.

The aim of the unit of study is to provide students the opportunity to design and implement a solution for a client selected from industry that requires a distributed, interactive, software system. The focus will be on the design and implementation of a solution to an industry need for supporting the communication, information sharing, and community building needs of the employees of a company.

The objectives are to design a client-server solution to an industry need using the internet protocols; to develop a visualisation of information and community needs as a front end client; to program the back end of the client system as a combination of software, files, and databases.

Student workload effort expected: contact hours: 6 hours per week; class preparation: 3 hours per week; assessment preparation: 39 hours per semester.

DESC9183
Risk Management
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Leifer **Session:** S2 Intensive **Classes:** 24 hrs in intensive mode **Assumed knowledge:** DESC9047 **Assessment:** Two assignments weighted 50% each. The first being formative, the second summative. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Fac Man), Grad Cert Des Sc (Sustainable Des), Grad Cert F M, Grad Dip Des Sc (Fac Man), Grad Dip F M, M Com, M F M, M Des Sc (Fac Man), M F M, PG Coursework Exchange.

At the end of the unit successful students will: have an ability to undertake a workplace risk identification study; have an understanding of the process of prioritising risk; have an ability to generate and assess risk management options and lead the discussion in the selection of the most appropriate management strategy; understand the procedure necessary to assess risk, and the options available to control it; be aware of the obligations on organisations with respect to OH&S in their workplaces; understand the policies and processes that their organisation need to put in place to satisfy the legislation.

Upon completing this unit, students will: be able to undertake an analysis of the areas of risk related to their organisation's workplaces having an impact on their missions and goals; understand the process for assessing risk in terms of 'best practice'; demonstrate their ability to present appropriate risk management options; be aware of the Occupational Health and Safety regulations and will understand the impact of these on their workplaces; and be able to implement OH&S management procedures.

Student workload effort expected: contact hours: 24 hrs in intensive mode; class preparation: 6 hours per week; assessment preparation: 24 hours per semester.

DESC9184
Computational Intelligence & Application
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Gunaratnam **Session:** Semester 1 **Classes:** Three hours per week lectures/computer labs **Assessment:** Three assignments (one based on student's research interest) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

The unit aims to introduce students to the four major computational intelligence paradigms: neural networks, fuzzy logic, evolutionary computing, and swarm intelligence. It explores and identifies generic classes of problems, in different application areas that can be solved by using the four paradigms, and introduces the different models and methods available for solving generic problems in each of the four paradigms. It investigates the different pre-processing techniques, representational schemes and strategies available for improving the performance of each of the paradigms and explores hybrid approaches based on two or more of the paradigms for solving generic problems.

At the completion of the unit each student is expected to have demonstrated through the assessment tasks: a good understanding of the characteristics and capabilities of the different computational intelligence models and methods; an ability to associate a problem in a given application area with a generic problem class and select and develop an appropriate computational model; a good understanding of the theoretical bases for the features in the software tools available for the different paradigms; an ability to develop computational models for applications within their own disciplines based on at least one of the paradigms.

Student workload effort expected: Contact hours three hours per week; class preparation one hour per week; assessment preparation 39 hours per semester.

DESC9185
Structural Synthesis Models
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr David Gunaratnam **Session:** Semester 1 **Classes:** One hour lecture and two hours computer lab per week. **Assessment:** Three assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build), M Arch, M Des Sc (Build), M Des Sc (Build), PG Coursework Exchange.

The main aim of the unit is to introduce students to a number of structural synthesis models currently available for generating structural solutions within the design process, including both top down and bottom up generative processes, as well as those inspired by processes in nature. The unit is also designed to provide information for evaluating the solutions generated by the models, for feasibility based on behavioural requirements, for performance based on the key decision criteria, and for classifying the solutions into appropriate structural categories.

At the completion of the unit each student is expected to have demonstrated through the assessment tasks: a good understanding of the different structural synthesis models available for use within the design process; the ability to use one or more of the models for generating feasible and optimal structural solutions; the ability to use the behavioural and synthesis models to evaluate an existing building for feasibility and structural performance; the ability to associate the different structural features of existing building designs to the structural design criteria and constraints.

Contribution of unit of study to its program: Core unit for the Building Stream.

Student workload effort expected: contact hours 3 hours per week; class preparation 1 hour per week; assessment preparation 39 hours per semester

DESC9186
Digital Culture
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Petra Gemeinboeck **Session:** Semester 2 **Classes:** Three hours seminar per week. **Prerequisites:** DESC9174 **Assessment:** 1) Case study: students choose a phenomenon relating to digital technology and discuss in what ways this phenomenon reflects/is reflected in our culture; 2) Blog discussion (throughout semester); 3) Final assignment - Part A: Writing a science fiction essay that explores a very near possible future scenario. This essay is about developing a critical narrative that addresses new relations of agency and power, produced and propelled by the emergence of new technologies, and the changing nature of traditional relationships and new

forms of culture and society these new power relations evolve. Part B: Developing the concept for a (digitally augmented) performance, an interactive installation or computer game that engages the (possibly networked) participant or player in the issues explored in your essay (part A). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Digital Media, MArch and Audio students.

Associated degrees: Grad Cert Des Sc (Dig Media), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Dig Media), M Arch, M Des Sc (Dig Media), PG Coursework Exchange.

This unit of study is concerned with the interactions between digital media technology and contemporary culture. It will address major theories of digital culture and media and look at a diverse set of artistic, cultural, and social practices that both constitute and reflect the contact surface in which digital, physical and social domains interact. Developing an understanding of contemporary digital culture exceeds the limited perspectives of how digital technologies are used and designed, but rather considers the contextualizing factors that propel the co-evolution of digital media and culture. We will identify and critically analyze concepts, such as fluidity, ubiquity, and pervasiveness, and how these concepts are driven by the desire to overcome physical and social constraints. A major part of this unit will be concerned with the critical issues involved in this quest, such as control and power mechanisms (i.e. surveillance and censorship, the commercialisation of the public sphere), collective memory, and the reconception and reconstruction of identity and the human body. Readings, such as Chomsky, Hegemony or Survival, Florida, The Flight of the Creative Class: The New Global Competition for Talent; Hayles, How We Became Posthuman: Virtual Bodies in Cybernetics, Literature and Informatics; Negroponte, Being Digital; Mitchell, and selected essays in Trend, Reading Digital Culture will ground the students' investigation process. This investigation will further involve the reflective lenses of the Science Fiction genre and popular culture (Hollywood movies), discussing selected stories by authors, such as Philip K. Dick, William Gibson, Stanislav Lem, Neil Stephenson, Arkadi und Boris Strugatzki and movies, such as ExistenZ, Minority Report, and The Matrix.

Through the unit students will develop a deep understanding of the multiplicity of interactions between digital technology and culture; the ability to contextualize digital technology within the evolution of culture and society and to communicate this knowledge in verbal and written form; ability to critically reflect on the co-evolution of culture and technology and to integrate these reflections in their design process.

DESC9187
Interactive Sound Studio
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Kirsty Beilharz **Session:** S2 Late Int **Classes:** Nine day intensive. **Prerequisites:** DESC9091 or DESC9011 **Assessment:** A combination of minor technical tasks to evaluate skills accomplishment and major studio projects demonstrating knowledge, discussion, integrated in a significant audio-visual real time interactive sonification, installation or hyper-instrument work. Other assessments will require demonstrated understanding of sound design techniques and conceptual understanding of interaction paradigms such as mapping data or motion to sound. Outcomes include a major work, its documentation for the student's professional folio and potential exhibition. Critical thinking and written work will lead to a literature review and background preparing a student for potential future research opportunities in the real time interaction or auditory interaction areas. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Permission required unless enrolled in Digital Media or Audio & Acoustics.

Associated degrees: Grad Cert Des Sc (Audio Des), Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Dig Media), M Des Sc (Dig Media), PG Coursework Exchange.

This unit of study develops students' knowledge of audio-visual interaction. It aims to familiarise students with real time interaction design, gestural motion-triggered soundscapes, sonification, hyper-instrument design, physical modelling of virtual instruments, audio-visual mapping, visualizing sound, sound design for new media integration, generative sound and spatial interaction (using computer vision and wireless sensors).

Students develop a theoretical knowledge of existing works by established designers and apply cutting edge motion capture, computer vision and gestural interaction technologies to their own real time responsive works developed in the studio. Information sonification and sound design are contextualised in works for interactive installation, ambient display, responsive and intelligent spaces. It looks at the relation between audio and visual display. Students will form an understanding of generative, algorithmic and biologically inspired artificial life processes used to create automated and evolving design solutions for non-linear, unpredictable scenarios. This unit of study will develop understanding of sound design strategies, including synthesis, analysis and filtering processes and physical modelling of virtual instruments to transform and create sonic resources. The contribution of sound is considered in new media contexts, its effect as a complementary, redundant and synergistic component of audio-visual multimedia, its affect on interaction. Theoretical background will examine the role of sound for auditory cues in navigation, interaction, emergencies, the workplace and for virtual and entertainment environments. The studio integrates an aesthetic, theoretical and applied approach for spatial and non-tactile computing and real time interaction. (This unit of study does not assume auditory or musical background, though there will be adequate opportunity for students with audio experience to develop new directions and innovative projects).

Student workload effort expected: contact hours 6 per week; class preparation 3 hours per week; assessment preparation 18 hours per semester.

DESC9188
Modelling and Animation for Games
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Rob Saunders **Session:** Semester 1 **Classes:** Six hours computer lab per week. **Prerequisites:** DESC(9019 or 9092) **Assessment:** A combination of minor technical tasks to evaluate skills accomplishment and major studio projects demonstrating knowledge, discussion, integrated in a significant mod level demo exhibiting modelling, animation, interaction and a conceptual foundation in asset design for the entertainment industry. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Permission required unless enrolled in the Design Computing or Digital Media stream. This unit would complement DESC9156.

Associated degrees: Grad Cert Des Sc (Des Comp), Grad Cert Des Sc (Dig Media), Grad Dip Des Sc (Dig Media), M Des Sc (Dig Media), PG Coursework Exchange.

To understand the context and specialised requirements of 3D games assets; and to develop an integrated mod using an industry standard real time games engine involving its strategy, scenario, interaction, programming, modelling and animation design.

Students will develop an understanding of the context and industry requirements for gaming assets and interactive mods for real time entertainment platforms.

Concepts addressed include the modeling, animation, scenes, strategy and programming context for viable real time single and multi-player games environments. Students will develop methods for optimizing assets for efficient virtual reality and online game-play. This approach provides a comparative and complementary approach to linear techniques for developing filmic "heavy" assets learned in Digital Compositing and Visual Effects (DESC9156) and Digital Video Design and Production (DESC9125).

Technical tutorials integrate advanced animation techniques such as natural character motion, complex expression, character rigging, character-based story-telling, synchronizing to sound, speech and interactive models using cutting edge software. The studio environment encourages students to cultivate an in-depth demonstration of their knowledge and technique.

Student workload effort expected: contact hours 6 per week; class preparation 3 hours per week; assessment preparation 18 hours per semester.

DESC9190
Experimental Game Interfaces Studio
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Petra Gemeinboeck **Session:** Semester 1 **Classes:** Lectures and studio **Prerequisites:** DESC(9174 or 9186 or 9139 or 9091) **Prohibitions:** DESC9189 **Assessment:** Project design, implementation and presentation; research report relating to course theme; documentation and reflection. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Digital Media students at the Masters level.

Associated degrees: Grad Cert Des Sc (Dig Media), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Dig Media), M Des Sc (Dig Media), PG Coursework Exchange.

The objectives of this unit are to integrate knowledge of human-computer interaction, multimedia, and game technologies in a design project; to extend the scope of foundational courses and apply in-depth knowledge to develop experimental, creative, and innovative interactions with the environment using commercially available interfaces such as game technologies; and to develop conception, research, management, and documentation skills for innovative and experimental design processes.

In this studio, students will use commercially available game interfaces, such as the Nintendo Wii, to develop experimental and playful interaction scenarios with the environment. Students will conceive and develop an experimental prototype that applies and pushes conceptual understandings of human-computer interaction beyond the desktop. The aim of this project is to create an evolving environment in which the participants are emotionally engaged and physically involved. The objective is to use and to adapt game technologies and game play strategies to enhance our interactions with the physical environment. Reading, discussing and reflecting on contemporary theoretical perspectives in media art, game practices, and emerging technologies will advance the students' design process.

Outcomes of this unit: students will integrate knowledge accrued across a range of units of study in an integrated outcome; develop an extended knowledge and application of human-computer interaction; creative, experimental design conception and implementation that involves immersive practices, games, and/or performances; the ability to critically reflect on the current techno-cultural context and to integrate these reflections in the design process.

DESC9191
Building Acoustics and Noise Control
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Alan Obrart **Session:** S1 Late Int **Classes:** Five days intensive. **Assumed knowledge:** Undergraduate architecture or engineering degree. **Assessment:** One Assignment (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M Arch, PG Coursework Exchange.

This unit investigates the attenuation and control of noise generated by mechanical building services systems. This will impart in students an understanding of the basics of sound transmission; sound pressure and power; and the fundamentals of the human auditory response. Students will further have an awareness of the statutory noise control requirements, current standards and sources of data. Moreover, students will obtain an ability in design and selection of acoustic treatment methods to meet those statutory requirements.

At the successful completion of this Unit students will have an awareness of the statutory noise control requirements, current standards and sources of data; an understanding of the fundamentals of the basics of sound transmission; sound pressure and power; and human auditory response; and an ability in design and selection of acoustic treatment methods to meet those statutory requirements.

DESC9192
Energy Code Compliance in Buildings
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Alan Obrart **Session:** S1 Late Int, S2 Late Int **Classes:** Four days intensive. **Assumed knowledge:** Undergraduate architecture or engineering degree. **Assessment:** One Assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build Serv), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build Serv), M Arch, M Des Sc (Build Serv), M Des Sc (Build Serv), PG Coursework Exchange.

The aim of this unit of study is to impart an understanding of the regulatory framework that applies to the energy efficient design of commercial buildings in Australia. Students will examine the energy provisions of the Building Code of Australia (Section J), and an understanding of selected approved energy modelling tools. Students will gain an ability to source necessary data.

At the successful completion of this course students will have an understanding of the 'deemed-to-satisfy' prescriptive provisions of Section J of the Building Code of Australia with respect to mechanical/electrical services, building fabric, sealing and insulation, cooling and heating; an understanding of verification methods requiring energy modelling; hands-on experience of two computer building energy simulation programs; and an understanding of the design process in order to fulfil the requirements of the code.

DESC9660
Graduate Exchange Core A
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark. For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9661
Graduate Exchange Core B
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may

approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9662
Graduate Exchange Core C
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9663
Graduate Exchange Core D
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9664
Graduate Exchange Optional A
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9665
Graduate Exchange Optional B
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may

approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9666
Graduate Exchange Optional C
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9667
Graduate Exchange Optional D
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may

approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9668
Graduate Exchange Elective A
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9669
Graduate Exchange Elective B
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may

approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9670
Graduate Exchange Elective C
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DESC9671
Graduate Exchange Elective D
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Des Sc (Sustainable Des).

This unit of study is for postgraduate students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in graduate coursework Master degrees.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

No program will be approved that involves the completion of more than 50% of the core requirements of the degree on exchange. Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Exchange students are required to enrol in a full time load at the University of Sydney and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

DHSC7001
Theory in the Health Professions
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** External/distance mode **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: H Sc D, Health Sciences PG Non Award, M App Sc (Orth), PG Coursework Exchange.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects.

Textbooks
Extensive study notes provided

DHSC7003
Foundations for Doctoral Studies
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Mary Jane Mahony **Session:** Semester 1 **Classes:** Off-campus/distance mode **Assessment:** Continuous **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: H Sc D, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M App Sc (Orth), PG Coursework Exchange.

Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data. There will be flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported.

DHSC7005
Developing a Research Proposal
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** By distance education. No scheduled classes. Students who are able may attend scheduled evening classes for BACH5341 Research

& Inquiry in Health Professions. Semester 2 on-campus offer subject to sufficient enrolments. **Prerequisites:** DHSC7003 Foundations for Doctoral Studies **Assessment:** 3 assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: H Sc D.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed. Finally, students develop a research proposal, including elements for an application for ethics approval when relevant, for answering a research question of their choosing.

This unit of study is designed for higher degree research students. Postgraduate coursework students intending to progress to a research degree may also enrol with permission of the Unit Coordinator.

Textbooks

Minichiello V, Sullivan G, Greenwood K, & Axford R. (2004) Handbook of Research Methods for Nursing and Health Sciences (2nd ed) Frenchs Forest NSW: Pearson Education Australia.
Babbie, E. (2007) The Practice of Social Research (11th ed) Belmont, Calif: Thomson/Wadsworth

DHSC7006
Leading in the Health Professions
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Web-based, with both synchronous and asynchronous participation required. No on-campus attendance required; possibility of some optional on-campus activities. **Assessment:** Class participation (normally online), case study/s, report. **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: H Sc D.

Students will explore concepts of leadership through extensive reading, contributions by guest experts, workplace observation and analysis, and class discussion. Through structured critical reflection they will also consider how to develop their own personal skills and knowledge to improve their leadership capability.

DVST6901
Development: Critical Perspectives A
Arts

Credit points: 6 **Teacher/Coordinator:** Dr. N Maclean & Dr. C Browne **Session:** Semester 1 **Classes:** 2 hour seminar **Prohibitions:** SSCP6900 **Assessment:** 1 x bibliographic research exercise 500 words; 1 x research essay 2000 words; 2 x 1 hour examinations 2000 words total (equiv.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Dip Arts, Grad Dip Dv St, M A, M Dv St, PG Coursework Exchange.

In the post World War 2 era 'development' has seen a philosophical and policy shift from nation building projects of 'modernisation' to an emphasis on the local responsiveness of market forces and civil grounded projects of capacity building. This unit critically reviews this transition from the perspectives of an anthropological emphasis on the relationship between political economy and cultural difference and the sociology of multiple modernities. Specific questions of health, poverty, gender and resource development structure this critique.

DVST6902
Development: Critical Perspectives B
Arts

Credit points: 6 **Teacher/Coordinator:** Prof. W Foley **Session:** Semester 2 **Classes:** 2 hour seminar **Prohibitions:** SSCP6901 **Assessment:** 1 essay 2500 words; 2 x 1 hour examinations 2000 words total (equiv) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Dip Arts, Grad Dip Dv St, M A, M Dv St, PG Coursework Exchange.

The unit: (1) reviews the importance of language policy issues (variation, multilingualism and standardization); education, planning and the functions of literacy) for development from the perspective of a sociology of language; (2) using Asian case studies explores development as a culturally specific response to modernization and globalisation, two processes heavily shaped by Western ideology and interests; and (3) links the two themes through an exploration of the role of mass and state media in the process of modernization and cultural revival.

DVST6903
Professional Practice in Development
Arts

Credit points: 6 **Teacher/Coordinator:** Dr G Macdonald **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Project based on literature review and consultation with a Development Agency 2000 words; seminar presentation 500 words; 2 hour examination 2000 words (equiv) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert H R, Grad Dip Arts, Grad Dip Dv St, M A, M Dv St, PG Coursework Exchange.

This unit will provide an insight into applied research work in various development settings such as consultancies or aid agencies. The unit will begin with an overview of the 'development industry' and the institutional relations which condition the practice of researchers. Relevant case studies will be presented by practitioners in a number of key development areas, including land rights and environmental management. These case studies will illustrate practical, ethical and legal problems confronting the professional development researcher working in a range of national and institutional contexts.

DVST6904
Rethinking Poverty
Arts

Credit points: 6 **Teacher/Coordinator:** Dr N Maclean **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Research essay 2000 words; seminar presentation 500 words, 2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert H R, Grad Dip Arts, Grad Dip Dv St, M A, M Dv St, PG Coursework Exchange.

Poverty reduction has always been a central development goal. Major international programs such as the UN's Millennium Goals place poverty at their centre. New explanatory concepts such as social exclusion, capability, social capital and sustainability have considerably expanded our thinking about its nature. Students will examine cases from many parts of the world of the way discourses, policies and development practices operate together, enabling an evaluation of contemporary approaches to poverty and their effects on those most vulnerable.

University postgraduate units of study – E

ECMT5001
Principles of Econometrics
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Assessment:** Quizzes; Group assignment; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, Grad Dip Ec, M Agr, M Bus, M Ec, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

The unit develops the basic principles of data description and analysis, the idea of using the concept of probability to model data generation, and the statistical concepts of estimation and statistical inference, including hypothesis testing. It then develops these concepts and techniques in the context of the linear regression model to show how econometric models can be used to analyse data in a wide range of potential areas of application in economics, business and the social sciences. The unit combines theory and application. The emphasis is upon the interpretation of econometric estimation results and requires software for hands-on experience.

ECMT5020
Data Analysis and Interpretation
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prohibitions:** ECOF5805 **Assessment:** Tutorial assignments; Mid-semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, Grad Dip Com, M Bus, M Com (Hons), PG Coursework Exchange.

This unit develops the basic principles of data description and analysis. Students are expected to be able to understand the different forms that data can take, the different forms of analysing data and the different ways that data can be used to support arguments. Emphasis is on analysing, interpreting and the presentation of results for existing types of data. The different forms of data (written, spoken and observed) examined include: documents such as official government reports, company document s and consultant reports; the spoken word including transcripts of interviews; and responses to questionnaires. The data analysis focuses on the use of both qualitative and quantitative data as well as univariate and bivariate data. Some of the techniques covered in this unit are basic descriptive measures of data, hypothesis testing and regression analysis.

ECMT6002
Econometric Applications
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT5001 **Prohibitions:** ECMT5002 **Assessment:** Assignments; Group assignments; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Com (Hons), M Ec, PG Coursework Exchange.

This unit illustrates how econometric methods can be applied to economic data to solve problems that arise in economics and business. Econometric theory provides the techniques needed to quantify the strength and form of relationships between variables. Applied econometrics is concerned with the strategies that need to be employed to use these techniques effectively; to determine which model to specify and whether the data are appropriate. Guidelines for undertaking applied work are discussed. Case studies drawn from economics, marketing, finance, and accounting are also discussed. The unit includes a major econometric modelling project.

ECMT6003
Applied Business Forecasting
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT5001 **Assessment:** Assignments; Group assignment; Mid-Semester exam; Final examination; **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Ec, PG Coursework Exchange.

This unit aims to provide an introduction to the practice of forecasting in business. Forecasting requires both practical experience in model building and some statistical theory. To blend the theory and practice, many business forecasting examples are discussed. Excel is used to do useful preliminary calculations and plotting. At the end of this unit, students should be able to understand the major techniques of forecasting and be able to intelligently forecast actual business time series using Excel and its extensions. Topics covered include: the aims of forecasting and relation to time series analysis; types of time series; plotting and charting time series; practical examples of forecasting and forecasting issues; growth curve methods; least squares (what you need to know for forecasting); decomposition of time series; elementary exponential smoothing with Excel; serial correlation (and Durbin Watson statistic); applied ARIMA modelling and identifying seasonality and "hidden" periodicities.

ECMT6006
Applied Financial Econometrics
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT5001 **Assessment:** Assignments; Mid-Semester exam; Final exam; **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Com, M Log Man, M Ec, M Int Bus, M Com, PG Coursework Exchange.

This unit provides an introduction to some of the widely used econometric models designed for the analysis of financial data, and the procedures used to estimate them. Special emphasis is placed upon empirical work and applied analysis of real market data. The unit deals with topics such as: the statistical nature of financial data; the specification, estimation and testing of assets pricing models; the analysis of high frequency financial data; and the modelling of volatility in financial returns. Throughout the unit, students are encouraged (especially in assignments) to familiarise themselves with financial data and learn how to apply the models to these data.

ECMT6007
Panel Data Econometrics
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 2hrs of lectures and 1hr seminar per week **Prerequisites:** ECMT5001 **Assessment:** Group assignment; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Ec, PG Coursework Exchange.

Recently, empirical research in economics, finance, marketing and accounting has been enriched by the increasing availability of new sources of data, known as panel data. A 'panel' refers to the pooling of observations on a cross section of households, countries, firms etc. over several time periods. Panel data sets possess several major advantages over conventional cross-sectional or time series data sets. This unit aims to offer a comprehensive treatment of the analysis of panel data, which will allow students to deal in a pragmatic way with

fundamental issues, such as controlling for individual heterogeneity, reducing collinearity among regressors, addressing statistical hypotheses and identifying effects that are simply not detectable in pure cross-section or time series data.

ECMT6510
Management Decision Making
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prohibitions:** ECOF5804, ECMT5003, ECOF6070 **Assessment:** Assignments; Case studies; Class tests; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Bus, Grad Dip Com, Grad Dip Ec, M Com (Hons), M Ec, PG Coursework Exchange.

The unit introduces statistical models and tools for decision analysis and their application in managerial settings. It will be shown how use of such models and tools can improve the decision process by helping the decision-maker: understand the structure of the decision, incorporate subjective probabilities as a way to portray risk, measure outcomes in a way that is consistent with attitudes toward risk, and understand the value of information. The importance of sensitivity analysis will be emphasised, as well as the need to combine both quantitative and qualitative considerations in decision-making. There will be strong emphasis throughout the unit on hands-on application of decision analysis tools. Cases will be drawn from small business scenarios, the public policy arena, and corporate settings. Decision-making software will be used extensively.

ECMT6901
Econometric Modelling
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT5001 **Assessment:** Assignments; Group assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Agr, M Bus, M Ec, PG Coursework Exchange.

Economic decision making and the development of economic theory rely heavily on input from empirical analyses. Conversely, applied econometric research is guided by the relevant economic theory and the needs of the users of the analyses. This unit is primarily concerned with the application of econometrics and is designed to cater for students with different backgrounds in econometrics. The unit is designed to provide students with the guidance and tools to be able to produce reliable and useful empirical results and to be able to appraise the work of others. An essential component of the unit is the completion of a variety of research projects/assignments to enable students to gain experience in putting these tools into practice.

ECMT7001
Business Statistics Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECMT7002
Business Statistics Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECOF6001
Exchange 1
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Com, Grad Cert Ec (Soc Sc) A P E, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert Int Bus, Grad Cert Int S, Grad Cert Log Man, Grad Cert P A, Grad Cert P P, Grad Cert T M, Grad Dip Bus, Grad Dip Ec, Grad Dip Org Coaching, M B I S, M E.

ECOF6002
Exchange 2
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Com, Grad Cert Ec (Soc Sc) A P E, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert Int Bus, Grad Cert Int S, Grad Cert Log Man, Grad Cert P A, Grad Cert P P, Grad Cert T M, Grad Dip Bus, Grad Dip Ec, Grad Dip Org Coaching, M B I S, M E.

ECOF6003
Exchange 3
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Com, Grad Cert Ec (Soc Sc) A P E, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert Int Bus, Grad Cert Int S, Grad Cert Log Man, Grad Cert P A, Grad Cert P P, Grad Cert T M, Grad Dip Bus, Grad Dip Ec, Grad Dip Org Coaching, M B I S, M E.

ECOF6004
Exchange 4
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Com, Grad Cert Ec (Soc Sc) A P E, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert Int Bus, Grad Cert Int S, Grad Cert Log Man, Grad Cert P A, Grad Cert P P, Grad Cert T M, Grad Dip Bus, Grad Dip Ec, Grad Dip Org Coaching, M B I S, M E.

ECOF6018
Elective Option 1
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com.

Elective unit option

ECOF6030
Management Communication
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3hrs per week **Prohibitions:** ECOF6040 **Assessment:** Individual writing tasks; Group project (meeting, presentation, report); Individual report; Individual presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Please Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Cert Media Prac, Grad Dip Bus, M L L R, PG Coursework Exchange.

In this unit you will be introduced to a framework for analysing and evaluating management communication at dyadic, group and organisational levels. The unit emphasises the dual role of

communication in the way effective managers (i) perform key managerial activities, such as organising, coordinating and leading; and (ii) promote positive relationships internally (with superiors and subordinates) and externally (with other relevant stakeholders). Two important influences on contemporary managerial (and organisational) communication practices are emphasised: cross-cultural communication and team communication. Based on your understanding of communication principles (e.g. audience, purpose, situation, channel, media, feedback, noise), you will learn how to design strategic communications (written and spoken) to get your message across clearly, concisely and convincingly. You will apply principles of strategic communication to case studies, written messages, meetings, reports and presentations. All students who enrol in this unit will be required to attend three supplementary Learning Centre sessions on report writing and presentations. Students who require additional support to develop their written English skills (to be determined by a diagnostic task) will be offered additional workshops and support by the Learning Centre. On-line writing resources will be made available to all students.

ECOF6050
Strategic Business Relationships
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hrs of lectures and 1 seminar per week **Prohibitions:** ECOF5802 **Assessment:** Assignment; Presentation; In-class Test; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Dip Bus.

This unit studies how strategic business relationships create sustainable competitive advantages for firms and nations. Business relationships are dynamic learning networks that result from strategic decision-making. They include internal relationships within the firm as well as external relationships. With internal business relationships, the focus is on organisational design issues, including employee-manager interaction, and manager-shareholder relations. External relationships include formal contracts and informal agreements with suppliers, buyers, distributors, lenders, competitors and partners. Resource and capability-based views of the firm provide the conceptual framework for analysing the foundations of sustainable competitive advantage and the role of effective relationships in building this advantage. Agency and transaction cost approaches help explain the operation of these relationships. Throughout the unit, we distinguish between the knowledge-based sectors of the economy and the more traditional sectors, and we consider how the form of business relationships varies between countries.

ECOF6060
The Global Context of Business
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prohibitions:** ECOF5803 **Assessment:** Examination; Case study; Group project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Please Note: This unit of study is available to students enrolled in the Master of Business or Graduate Diploma in Business programs; other students need permission.

Associated degrees: Grad Dip Bus.

The unit introduces students to new and topical ways of thinking about the interconnection between the global economic, political and social contexts. It will integrate theories and case studies to present you with a multi-disciplinary understanding of the global context within which business operates.

ECOF6070
Business Decision Making
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3hrs per week **Prohibitions:** ECMT5003, ECMT6510, ECOF5804 **Assessment:** Individual and Group Assignments; Final Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Please Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Dip Bus.

The course will provide an in depth understanding of the quantitative tools and data analysis techniques that are used by management when making decisions. The conducting of surveys and the role of survey data within the decision making process will also be explored. Students will gain decision-making skills that are used when faced with complex business problems or choice situations, and the basic modelling of decision-making in contemporary business organizations. The unit commences with approaches to modelling and structuring decisions by breaking a decision situation down into its basic elements, including values, objectives, random events and inter-relationships. The unit continues with coverage of some of the main quantitative tools and techniques using in decision-making, including the use of decision trees, influence diagrams and probabilistic modelling. The role of empirical observation and data analysis in decision-making is also covered, along with sensitivity analysis for decision models. The last part of the unit deals with the design and implementation of surveys and their role in the decision-making process. Throughout the models and methods will be taught in context of a variety of actual decision problems that arise in business.

ECOF6080
Business Economics and Strategy
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prohibitions:** ECOF5806 **Assessment:** Assignments; Mid-semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Please Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Dip Bus.

An understanding of economics is important for any general business degree. The aim of this unit of study is to introduce students to economic concepts that can be used to help understand both the context for business and the analysis and development of business strategies. The unit of study addresses three main areas: the macroeconomic context for business, economic concepts underpinning competitive strategies, and economic concepts that relate to the internal functioning of organizations. As such it complements material covered in ECOF6060 The Global Context and ECOF6050 Strategic Business Relationships. It also provides an important grounding for students wishing to do electives in Economics as well as units of study addressing issues of strategy offered by other disciplines.

ECOF6090
Leadership and Business
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prohibitions:** ECOF5807 **Assessment:** Continuous: Essays and case studies of leadership. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Please Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Dip Bus.

This unit of study is designed to encourage students to consider the role and significance of "leadership" in the context of the various facets of business that they will study on the MBus program. The unit will be divided into three key sections. Part I: Leadership in Theory examines major theories of leadership and assesses their applied value. Part II: Leadership in Practice: The Good, the Bad and the Ugly looks at a number of important issues that impact on the effectiveness of leadership in a variety of organizational types and situations. Part III of the unit: Does Leadership Matter? provides a review what has been learnt on the unit and considers whether leadership is really of any consequence to organisational performance.

ECOF6100
Logistics & Business Information Systems

Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3hrs per week **Prohibitions:** ECOF5808 **Assessment:** Two individual research projects; Group case analysis; In class text **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Please Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Dip Bus.

Competitive advantage grows fundamentally out of the value supply chains are able to create for their end buyers. This unit of study develops value chain concepts from a supply chain introduction and offers a balanced development of a high level understanding of general value chain structures, as well as an operational understanding of special issues. Special issues include lean value chain - focusing strategically on value-adding and non-value adding activities; cost analysis of value chains - focusing on cost drivers and activity based costing; quick response value chains - focusing on electronic data interface and vendor managed inventories; and value chain performance management - focusing on supply chain operations reference and the balanced scorecard; understanding business of information; information systems security and control. The unit also focuses on challenging students to identify, describe, analyse and evaluate how IT is changing the nature of organisational operations and industry competition. The unit is particularly suitable as a support unit for majors in management, marketing, business information systems, and accounting as well as international business.

ECOF6110
Corporate Governance, Law and Ethics
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prohibitions:** WORK6033, GOVT6301, ECOF5809 **Assessment:** Research essay; Class presentation; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Please Note: This unit of study is ONLY available to students enrolled in either the Master of Business or Graduate Diploma in Business programs.

Associated degrees: Grad Dip Bus.

This unit explores the relationship between business law and ethical reasoning and action in contemporary corporate governance and professional practice. As well as equipping students with an understanding of current legal requirements regarding business and professional conduct, the unit endeavours both to sensitize students to the range of ethical issues that today's managers and business professionals may face, and to provide a range of ethical frameworks that may assist them in addressing and resolving ethical conflicts. Students will have the opportunity to think critically about the underlying principles and assumptions that are the foundation of ethics in business and the professions. The unit uses case studies to examine legal and ethical dilemmas and decisions in key fields of business and professional practice, including business law, corporate governance, auditing and accounting, marketing and advertising, and information technology. Particular attention is also paid to the legal and ethical dimensions of corporate failure, and corporate social responsibility and sustainability.

ECOF7001
Business Decision Sciences Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECOF7002
Business Decision Sciences Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECOF7011
Entrepreneurship Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECOF7012
Entrepreneurship Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECON5001
Microeconomic Theory
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 3 hrs per week **Assessment:** 1 Mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Dv St, Grad Cert Int Bus, Grad Cert Lib Stud, Grad Dip Ec, Grad Dip Lib Stud, Grad Dip P A, M Agr, M Agr Ec, M Bus, M Ec, M Ec (Soc Sc), M Int Bus, M Log Man, M Int Bus, M T M, M Lib Stud, M P Admin, PG Coursework Exchange, PG Summe.

This unit presumes no prior exposure to economics and aims, by the end of the unit, to bring a proficiency equivalent to that of students with an intermediate level microeconomics unit in an Honours degree program. Many economic principles developed in this unit are routinely used in several other units in the program. Microeconomics studies how economic agents make choices in a variety of environments. The unit covers theory and applications of the principles of consumer choice, of firm behaviour, and of strategic interaction among economic agents. Equipped with these theories of decision making, students can address a range of interesting and important questions. Examples are: What market strategy should a firm adopt with its competitors? How might one create a market to deal with externalities such as pollution? What are the implications of different kinds of taxes? What compensation scheme will provide the right incentives to work?

ECON5002
Macroeconomic Theory
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 3 hrs per week **Assessment:** Online quizzes, 1 mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Dv St, Grad Cert Int Bus, Grad Cert Lib Stud, Grad Dip Ec, Grad Dip Lib Stud, Grad Dip P A, M Agr, M Bus, M Ec, M Ec (Soc Sc), M Int Bus, M Log Man, M Int Bus, M T M, M Lib Stud, M P Admin, PG Coursework Exchange, PG Summer/Winter S.

This unit presumes no prior exposure to economics and aims, by the end of the unit, to bring a proficiency equivalent to that of students with an intermediate level macroeconomics unit in an Honours degree program. Many economic principles developed in this unit are be routinely used in several other units in the program. Macroeconomics studies aggregate economic behaviour. The unit covers theories of the engines of long-run economic growth, of unemployment, of money, inflation, the interest rate and the exchange rate, as well as consumption, saving and investment behaviour. The unit also studies a number of applications of the theory and addresses contemporary macroeconomic problems and policy.

ECON5003
Economics for Accountants
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Assessment:** 2 mid semester exams, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: NOTE: This unit of study is ONLY available to students enrolled in the Master of Professional Accounting degree

Associated degrees: M Com, M P Acc, M P Acc.

The broad aim of this unit is to provide an introduction to economic analysis that is useful in the business world. The unit develops vital microeconomic and macroeconomic principles, using case studies to enhance understanding. Particular emphasis is given to explaining how economic agents make choices in a variety of environments. The unit covers situations where strategic interactions are important and investigates the macro-environment in which businesses operate.

ECON6001
Microeconomics Analysis 1
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 **Assessment:** 1 Mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students enrolled in award courses other than the Master of Economics must seek written permission from the Chair of the Discipline of Economics to enrol in this unit.

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

This unit is an introduction to modern microeconomic theory and as such has three purposes: (i) to introduce students to the major ideas of modern microeconomics and to develop their understanding of these ideas; (ii) to develop students' facility with analytic economic models; and (iii) to develop students' ability to solve economic problems with the ideas, techniques, and models available to professional economists. Topics covered include (i) individual decision-making by economic agents, (ii) the determination of prices and resource allocation in competitive general equilibrium models, (iii) strategic behaviour by firms under imperfect competition, and (iv) contracting with imperfect information.

ECON6002
Macroeconomics Analysis 1
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECON5002 **Assessment:** 1 mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students enrolled in award courses other than the Master of Economics must seek written permission from the Chair of the Discipline of Economics to enrol in this unit.

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

This unit is aimed at providing students with a sound and comprehensive knowledge of modern macroeconomic theory, an ability to formulate and solve problems analytically, and a general appreciation of how policymakers can use the analysis in practice. Topics covered include (i) micro-foundations of macroeconomics, focusing on consumption, investment, money demand, and credit rationing; (ii) equilibrium macroeconomics, focusing on the conventional prototype as well as on recent stochastic macroeconomic models; and (iii) dis-equilibrium macroeconomics, concepts, issues, and models.

ECON6003
Mathematical Methods of Econ Analysis
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 and ECON5002 **Assessment:** Assignments; 1 Mid-semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students enrolled in award courses other than the Master of Economics must seek written permission from the Chair of the Discipline of Economics to enrol in this unit.

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

This unit is an introduction to mathematical economics. It has three purposes. First, to introduce students to the mathematical concepts and methods that are central to modern economics. Second, to give a set of economic applications of the mathematical methods. Third, to develop the students' ability to formulate logical arguments with the degree of precision and rigour demanded in modern economics. The mathematical topics covered include introductory analysis and topology, convex analysis, linear algebra, calculus of functions of several variables, optimisation, and introduction to dynamic programming and dynamical systems. The particular economic applications presented may vary from year to year, but usually include demand theory, production theory, and growth theory.

ECON6004
Economics of E-Commerce
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 **Assessment:** Assignments; final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students enrolled in award courses other than the Master of Economics must have passed ECON5001 & ECON5002 prior to commencing this unit.

Associated degrees: Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip Ec, Grad Dip Inf Tech Man, M Bus, M Ec, M Ec (Soc Sc), M Inf Tech Man, PG Coursework Exchange.

The growth of e-business has been accompanied by calls for governments to act on behalf of existing businesses, workers, consumers, and marginal groups. There are dangers from the threats from disruption by unauthorised or malicious intervention, from the harmful effects of global monopolies, from the possibilities for tax evasion, from the danger of invaded privacy, and from inappropriate, immoral, or illegal activity. Governments in the United States, Europe, Asia, and Australia have adopted very different approaches to these issues. Managers need to be aware of legal structures and commercial regulations as well as the development and delivery of e-business solutions, and their responses need to adjust to achieve their firm's goals.

ECON6006
Market Structure and Strategic Behaviour
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 or ECOF5806 or ECOF6080 **Assessment:** 2 mid semester exams, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

The purpose of this unit is to examine the nature of inter-firm rivalry in industries with market power. The unit begins with an exploration of the various ways in which firms can increase their market power by extracting more surplus from consumers by colluding with rivals or by excluding entrants. The topics for this part of the unit include price discrimination, product differentiation, advertising, research and development, predation and mergers. The unit also attempts to explain the various contractual and ownership linkages that exist between

various stages of production. The latter involves a discussion of exclusive territories agreements, resale price maintenance, exclusive dealing, franchising and divisionalisation.

ECON6008
International Money and Finance
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON5002 **Assessment:** 2 mid semester exams, 1 essay, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Ec, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit covers the following topics: overview of the International Monetary System; foreign exchange markets, spot and future markets; swaps and options; arbitrage; covered and uncovered interest parity; exchange rate determination; forecasting exchange rate movements; exchange rate intervention; and the role of central banks.

ECON6016
Trade and Development
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 or ECON5002 **Assessment:** 1 mid semester exam, seminar paper & presentation, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit is designed to highlight the relation between trade and development from an institutional and structural perspective, with appropriate modifications of received general economic principles, theories and policies. It closely studies the integration process of traditional segment of a developing society into its modern counterpart in countries selected from Asia, Africa, Latin America, the Caribbean, and the Pacific regions. It examines role of the state and international institutions (like the International Monetary Fund, World Bank, World Trade Organization), rationale for trade, planning and market mechanisms in developing economies, and also socio-cultural preconditions and economic requirements for a market economy. It focuses on a wide range of developmental problems and issues (such as foreign aid, debt, investment, technology transfer) from both national and international points of view.

ECON6021
Financial Economics
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 and ECON5002 **Assessment:** 1 mid semester exam, online quizzes, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

This unit provides students with an understanding of the economic foundations of financial theory and the economic framework upon which that theory is based. Much of the work covered is an application of both microeconomic and macroeconomic theory to the special problems encountered in the study of the financial side of an economy. The relevance of these foundations is illustrated with empirical research using Australian and international data.

ECON6023
International Trade
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 **Assessment:** 1 mid semester exam, written report, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

This unit develops the modern theory of international trade and commercial policy and examines some empirical applications. Topics covered include competitive trade theory; comparative advantage and theories of international trade patterns; the gains from trade; empirical evidence and methodology; imperfectly competitive trade theory and economies of scale, differentiated products, and technology; analysis of the effects of tariffs and trade quotas upon trade under competitive and imperfectly competitive market structures; the formation and design of regional trade agreements and the strategic behaviour of multinational enterprises. It will be suitable for those with an interest in international trade and business issues as well as those who may wish to pursue PhD research in these areas. It will be taught at a graduate level and so presumes knowledge of advanced undergraduate microeconomics.

ECON6024
Venture Capital
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 or ECOF5806 or ECOF6080 **Assessment:** Assignments; Mid-semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Ec, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

As a source of private equity, venture capital (VC) plays a crucial role in the development of new business ventures and the promotion of innovation. Over the last twenty years, the VC industry has boomed. This course investigates how VC firms operate, analysing the key strategic issues they face during the fundraising, investing and exit stages of the VC cycle. Topics covered include: the determinants and types of VC fundraising, the organisational structure of VC firms and how venture capitalists are compensated. Next, the VC firm's investment decision is examined, as is its relationship with the investee company. The role of VC in the broader economy is also discussed. Regarding the exit stage of the VC cycle, the design of exit strategies (e.g. initial public offerings) is analysed. Finally, we introduce some of the ethical issues which venture capitalists face.

ECON6025
Strategic Decision Making
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 or ECOF5806 or ECOF6080 **Assessment:** 2 mid semester exams, final exam, tutorial assignments, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com, M Log Man, M Ec, M Ec (Soc Sc), M Int Bus, M Com, M T M, M Com, PG Coursework Exchange.

Decision makers face two types of uncertainty: uncertainty about the state of nature (how much oil is in an oilfield) and uncertainty about the strategic behaviour of other decision makers (how many oil wells they will drill). This unit of study focuses on strategic uncertainty and the uses decision makers can make of the concepts of game theory to guide their decisions. Game theory studies situations where a) agents have conflicts of interests and b) agents can take actions that directly affect their payoffs and the payoffs of others. A very broad range of applications from business and economics fit the above description and therefore can be studied by the methods of game theory. Applications include, firm pricing and output decisions, market entry and exit, hold-up, collusion, bargaining, auctions, and signalling.

ECON6026
Strategic Business Relationships
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prohibitions:** ECOF5802, ECOF6050 **Assessment:** Assignment; Presentation; In-class Test; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Bus, Grad Dip Com, Grad Dip Ec, M Com (Hons), M Ec, PG Coursework Exchange.

This unit studies how strategic business relationships create sustainable competitive advantages for firms and nations. Business relationships are dynamic learning networks that result from strategic decision-making. They include internal relationships within the firm as well as external relationships. With internal business relationships, the focus is on organisational design issues, including employee-manager interaction, and manager-shareholder relations. External relationships include formal contracts and informal agreements with suppliers, buyers, distributors, lenders, competitors and partners. Resource and capability-based views of the firm provide the conceptual framework for analysing the foundations of sustainable competitive advantage and the role of effective relationships in building this advantage. Agency and transaction cost approaches help explain the operation of these relationships. Throughout the unit, we distinguish between the knowledge-based sectors of the economy and the more traditional sectors, and we consider how the form of business relationships varies between countries.

ECON6101
Special Topic in Economics
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON5001 and ECON5002 **Assessment:** Depends on topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc).

Study of a special topic in postgraduate Economics. Topics will vary from semester to semester according to staff availability and the presence of visitors. If taught in both semesters, the topic in Semester 2 will be different to that in Semester 1.

ECON6901
Microeconomics Analysis 2
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON6001 with a Distinction grade. **Assessment:** Assignments; Mid-semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec, PG Coursework Exchange.

The main focus of this unit is strategic interaction among economic agents with particular attention to problems involving incomplete information. The topics covered are at the heart of modern microeconomics. The central tool of analysis is game theory and the unit generally covers non-cooperative games of complete and incomplete information and cooperative games. Many applications to economic problems are discussed. Although the particular applications presented may vary from year to year, typical examples are: auctions; bargaining; oligopoly; hidden information; signalling; hidden action; coalitions and the core; Shapley value; social choice; and mechanism design.

ECON6902
Macroeconomics Analysis 2
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECON6002 with a Distinction grade. **Assessment:** Assignments; Mid-semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec, PG Coursework Exchange.

The goal of this unit is to present a coherent framework for thinking about fundamental issues in macroeconomics in a national and international context. This framework provides microeconomic foundations and involves inter-temporal analysis which assumes a basic understanding of dynamic programming. Various dynamic modelling strategies - finite and infinite horizon models, OLG models - are compared with reference to issues such as Ricardian equivalence. The role of international capital markets in uncertain open economies is studied, and asset pricing and investment in global macroeconomic equilibrium using Arrow-Debreu contingent claims is explained. The roles of money, the implications of imperfections such as nominal rigidities, and the connections to modern growth theory are developed in this general framework.

ECON7001
Economics Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECON7002
Economics Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

ECOP6006
Theories of Social Formations
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hrs per week **Assessment:** Seminar work: presentation, contribution to discussion, and participation; 2,500-3,000 word essay; Take-home examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Dv St, Grad Cert Ec (Soc Sc) A P E, M Ec (Soc Sc), PG Coursework Exchange.

This unit explores debates within political economy on how the economy relates to the constitution of social, cultural, ideological, political and legal forces. This entails consideration of the different approaches to theorising the character and nature of interaction between these different forces, and with theorising the totality of the political economy.

ECOP6010
International Trade Regulation
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hr per week **Assessment:** Essay; Group assignment; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Dv St, Grad Cert Ec (Soc Sc) A P E, Grad Dip Com, M Bus, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit aims to introduce students to competing perspectives on business regulation, then to familiarise students with the main elements of governance and regulation as they affect international business and, in particular international trade.

ECOP6015
Global Employment and Migration
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Assessment:** Essay, research exercise, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Dip Com, M Bus, M Ec (Soc Sc), M Int Bus, M Int Bus & Law, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit examines the evolution of international employment opportunities as a feature of the globalisation of economies. Different approaches to the analysis of labour markets provide conceptual frameworks for examining the changing character and structure of global employment and international migration. Case studies examine the effects of state regulatory arrangements and international institutions governing cross-border labour migration and cross-border employment in multinational firms, including professionals, skilled and unskilled workers.

ECOP6016
China in the World Economy
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Assessment:** Essay; Oral presentation and teams' report; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Dip Com, Grad Dip Ec (Soc Sc) A P E, M Bus, M Ec (Soc Sc), M Ec (Soc Sc) A P E, M Int Bus, M Int Bus & Law, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit of study analyses the modern economic development of the People's Republic of China (PRC) and its role in the international economic system, including the World Trade Organisation. It examines the internal political economy of the PRC; the political economy of transition; and China's transformation into a major centre of foreign direct investment and global exports. In the course students will learn the differential impact of China's transformation on the USA, East Asia and Japan, and the European Union. The policy of free trade agreements of China will also be studied. An understanding of these issues is important for people concerned both with investment and trade with China and the global political economic implications of China's emerging market economy under socialism.

ECOP6025
Dissertation Proposal
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Assessment:** 5000 word proposal: if accepted it is given the same assessment eventually as the dissertation. The proposal and dissertation together are worth 50 per cent of the overall degree assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec (Soc Sc).

This unit of study involves the supervised preparation and writing of a dissertation proposal in 5,000 words. It normally provides a large part of the introductory chapter in the subsequent dissertation itself.

ECOP6026
Dissertation Part A
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** ECOP6025 **Corequisites:** ECOP6027 and ECOP6030 and ECOP6031 **Assessment:** 25 000-30 000 word dissertation, in conjunction with Dissertation Proposal and Dissertation B, All three units together are worth 50 per cent of the overall assessment for the degree **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec (Soc Sc).

This unit of study is the first of a two-part, supervised writing of a dissertation of 25 - 30,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Economics (Social Sciences) with Honours.

ECOP6027
Dissertation Part B
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** ECOP6025 **Corequisites:** ECOP6026 and ECOP6030 and ECOP6031 **Assessment:** 25 000-30 000 word dissertation in conjunction with dissertation part A and Dissertation Proposal, Together with Dissertation Part A and Dissertation Proposal this unit is worth 50 per cent of the overall assessment for the degree **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec (Soc Sc).

This unit of study is the second part of a two-part, supervised writing of a dissertation of 25 - 30,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Economics (Social Sciences) with Honours.

ECOP6028
Research Essay for MEc(Soc Sc) Part 1
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** ECOP6029 and ECOP6030 and ECOP6031 **Assessment:** 20 000 word research essay; Together with Research essay for MEc (SocSc) Part 2 this unit accounts for one third of the overall assessment for the degree **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Ec (Soc Sc).

This unit of study is the first part of a two-part, supervised writing of a research essay based on library and similar materials of 20,000 words to be submitted in partial fulfilment of the requirements for the degree of MEc(SocSc) at pass level.

ECOP6029
Research Essay for MEc(Soc Sc) Part 2
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** ECOP6030 and ECOP6031 and ECOP6028 **Assessment:** 20 000 word research essay in conjunction with Research Essay for MEc(SocSc) Part1, Together with Research Essay for MEc(SocSc) Part 1 this unit accounts for one third of the overall assessment for the degree **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Ec (Soc Sc).

This unit of study is the second part of a two-part, supervised writing of a research essay based on library and similar materials of 20,000 words, to be submitted in partial fulfilment of the requirements for the degree of MEc(SocSc) at pass level.

ECOP6030
Debates in Political Economy
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 2hr lecture/seminar per week **Assessment:** Seminar Presentation; Participation in seminar program; Essay (25 per cent of the assessment for ECOP6030 and ECOP6031 together) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec (Soc Sc), PG Coursework Exchange.

This unit of study is one of two units which students are required to complete in preparation for the dissertation. It compares the methodologies of the prominent schools of thought in the discipline, as that reflects the tradition of classical political economy, and then concentrates on aspects which fundamentally distinguish non-neoclassical schools from the neoclassical.

ECOP6031
Research in Political Economy
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 1 x 2hr lecture/seminar per week **Assessment:** Research project (25 per cent of the assessment for ECOP6030 and ECOP6031 together) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ec (Soc Sc), PG Coursework Exchange.

This unit of study is the second of two units which students are required to complete in preparation for the dissertation. It comprises a ten-week program on research materials, covering bibliographic access, software usage and alternative sources of information as research inputs. The unit concludes with three weeks of sessions on presentation and discussion of dissertation proposals.

ECOP6103
Strategic Debates on Economic Change

Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 2hr lecture/seminar per week **Assessment:** Major Essay; minor assignment; minor essays; participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, M Com, PG Coursework Exchange.

This unit explores the processes of socioeconomic change, and the forces involved in bringing about such change. It introduces several theoretical perspectives and - using a number of contemporary cases studies - considers the interests, the relationships and the constraints involved in socioeconomic change. Students consider a range of issues and debates, and make a detailed study in one such area.

ECOP6104
Long Essay/Project
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** 10000-12000 word essay or project; The essay/project will be on a topic of the student's choosing, possibly related to the student's professional activity. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Dip Ec (Soc Sc) A P E, M Ec (Soc Sc), M Ec (Soc Sc) A P E.

A sizeable piece of written work is considered an essential component of postgraduate education, and it is seen as the culmination of the Masters' program. The essay / project is of 10 to 12 thousand words, on a topic of the student's choosing, possibly related to the student's professional activity. The essay / project is completed in one semester, and is supervised by a permanent member of staff.

ECOP6120
Special Topic in Political Economy
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Depends the topic **Assessment:** Depends the topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ec (Soc Sc) A P E, M Ec (Soc Sc).

A topic will be chosen in association with the discipline.

EDMT6200
Internship
Education and Social Work

Teacher/Coordinator: Dr Di Bloomfield/Dr Tony Loughland **Session:** Semester 1, Semester 2, Semester 2a **Classes:** Block Mode (45 days) **Assessment:** Satisfies Requirements/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment in the following sessions: Semester 1, Semester 2.

Associated degrees: M Teach.

Students undertake their Internship of at least 40 days (usually 45 days) in a secondary or primary school in the second semester in second year of the program. Students may only be in the Internship in a school or other educational institution which is approved by the Faculty, and must do it in the curriculum area(s) that they have been enrolled in and are conditionally certified to teach in. During the Internship students are assigned to one or more mentor teachers, usually in a single discipline area and will be responsible for teaching one or more classes for a total of between 14 and 17 lesson periods per week. The mentor teacher will monitor the internee in their work in the school and in discussion with the Tertiary Mentor, will be responsible for writing the report on the Internship that will form the basis of the assessment.

EDMT6201
Action Research Project and Conference
Education and Social Work

Teacher/Coordinator: Dr Louise Sutherland **Session:** Semester 1, Semester 2, Semester 2b **Classes:** Block mode **Assessment:** Presentation and 1 x 4000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment in the following sessions: Semester 1, Semester 2.

Associated degrees: M Teach.

All candidates for the Master of Teaching degree are required to attend, participate in and submit assigned work for the intensive 2 day Post-Internship Conference as the final component of their course. The central focus of this unit of study is on design, implementation and reporting of an independant action research project undertaken by each pass-level candidate during the internship and participation in a professional conference following the internship.

EDMT6202
Honours Special Study
Education and Social Work

Teacher/Coordinator: Prof Gabrielle Meagher **Session:** Semester 1, Semester 2 **Assessment:** 1 x 8000 wd thesis and presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: M Teach.

This component of the honours program consists of the written and seminar reports on a specific Special Study project. The results of the Special Study investigations will be presented in the Post-Internship Conference and the Special Study Report submitted for marking.

EDPA5001
Organisational Theory, Managemnt & Admin
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Laws **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** two written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert P S, Grad Dip Ed Studies, Grad Dip P S, M Ed, M Ed (Res), M P S, M Phil (Education), PG Coursework Exchange.

This core unit of study will review the development of administration and management, analysing concepts, theories and models in the context of contemporary developments. Reference will be made to various social, philosophical and organisational theories influencing administration and management. The focus will be on competing theories and alternative approaches to management, human relations, decision making and ethical concerns developed and what this means for contemporary practice.

EDPA5011
Organisational Culture and Change
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr George Odhiambo **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** 2 written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert P S, Grad Dip Ed Studies, Grad Dip P S, M Ed, M Ed (Res), M P S, M Phil (Education), PG Coursework Exchange.

Institutions throughout most parts of the world are confronted by a period of rapid and dramatic change. The external demands placed upon them to change and improve are considerable. The key elements of leadership, vision and mission and their relationships to the development of a unique organisational culture are essential ingredients for organisational effectiveness, excellence and continuous improvement. This core unit focuses upon the internal and external forces that influence the culture of a variety of organisations and uses the competing theories and alternative approaches to management development in the core unit EDPA5001 to build upon the basic concepts.

EDPA5013
Evaluation of Educational Programs
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Laws **Session:** Semester 2 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** a program

logic model and a program evaluation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Cert P S, Grad Dip Ed Studies, Grad Dip Med Ed, Grad Dip P S, M Ed, M Ed (Res), M Med Ed, M P S, M Phil (Education), PG Coursework Exchange.

Students undertaking the designated area of Educational Management and Leadership are expected to be able to implement policies and programs designed to bring about organisational change. This core unit is designed to provide the necessary knowledge and skills to enable students to design, plan and implement an evaluation program. It considers the social, methodological, practical and policy issues associated with different modes of evaluation. Issues in the use of evaluation methodologies for informing policy and practice are addressed.

EDPA6015
Management and Leadership
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr George Odhiambo **Session:** Semester 1 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** 2 written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

Leadership is the key to a successful organisation. This core unit focuses upon the importance of leadership and what it involves in a variety of organisational settings. In bringing about change in an organisation a leader must be able to share with others a vision for the future of that organisation and implement strategies that enable the organisation to meet future challenges. Special attention is given to leadership styles, gender issues and the place of ethics and emotions in leadership.

EDPA6016
Organisations as Learning Communities
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Laws **Session:** Semester 1 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** 2 written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert P S, Grad Dip Ed Studies, Grad Dip P A, Grad Dip P S, M Ed, M Ed (Res), M P Admin, M P S, M Phil (Education), PG Coursework Exchange.

In a rapidly changing world the necessity for an organisation to improve performance in order to keep pace and even be in the forefront of changes is an imperative for long-term survival. This unit explores the concepts of the learning organisation and organisational learning and investigates strategies that may be used to improve organisational performance.

EDPA6017
School Based Management & Effectiveness
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr George Odhiambo **Session:** Semester 2 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** 2 written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit of study will focus on school-based management and its link with school effectiveness. It will combine a study of relevant recent literature with practical issues, discussions and workshops. Students will review the literature relating to effective schools and explore links between developing strategies and creating conditions within schools to enable them to become more effective. Major aspects of school improvement will be adressed including: school based review, the role of school leaders, external support, research and evaluation, policy development and implementation and the significance of the impact of school "culture" on initiative for school improvement. Case studies and reports from overseas will be examined for lessons they have for school renewal strategies. A major component of the unit will be the analysis and development of strategies to assist schools to manage planning practices and procedures more effectively.

EDPA6018
Social Policy Process
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Anthony Welch **Session:** Semester 2 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** seminar contributions; educational policy project; review essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

The world of policy is changing, from a centralised model to a decentralised one, in which you may be involved, at least at institutional level. Whether you work in the public, private, or third sector as an educator, social worker, civil servant or in another capacity, it is important to understand the changing world of policy. Another change that we examine is the rise of neo-liberalism and its effects on the policy process. Critics charge that policy is now framed with economic rather than social good in mind, and that the success of policies is measured by the same calculus. How is policy made, and by whom? How does Australian federalism influence the making and implementation of policy? What kinds of transnational influences affect the policy process, and to what extent? Do different countries respond to difference (class, ethnic, gender, age), in a world of increasing diversity, migration and mobility?

EDPB5002
Globalisation and Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Phillip Jones **Session:** Semester 1, Semester 2 **Classes:** on line **Assessment:** 500 wd minor overview; 1200 wd review essay; 1500 wd minor essay; 2500 wd special study report **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Dv St, Grad Cert P S, Grad Dip P S, M Ed, M P S.

Concepts of global integration and culture. Economic political and cultural dimensions of globalisation. Major interpretive approaches to globalisation. Major world trends in education assessed in light of globalisation. Globalisation of labour markets; marked forces in education; cross-cultural and trans-national trends in education provision; knowledge as a global construct; global organisations and agenda in education; emerging global and regional structures in education, students, educational professionals and knowledge workers in a globalising world. Investigation and report on a special study.

EDPB5014
Intercultural Ed: Principles & Strategy
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Bagnall **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** 500wd minor overview; 1200wd review essay; 1500wd minor essay; 2500wd special study report **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: M Ed.

Concepts of culture, cultural diversity and inter-cultural communications. Education and culture in the context of globalisation. The homogenisation and heterogenisation debate. Case studies of cultural diversity and inter-cultural education in the domains of policy, management, curriculum teaching and learning. Special study of cultural diversity and intercultural education in a selected international education context.

EDPB5016
Global Poverty, Social Policy and Ed
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Phillip Jones **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** 5 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Cert Dv St, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

Investigation and analysis of: basic indicators of global poverty; key theories of poverty and development and their implications for social policy and education; western paradigms and their effects in non-western contexts; alternatives to westernisation; education as a form of foreign aid and development co-operation in multilateral, bilateral and non-government programs; multisectoral approaches to poverty alleviation strategies.

EDPB5017
International Policy Trends in Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Bagnall **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** 4 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

Investigation and analysis of key trends in education change and reform in major Western countries including: shifting priorities in education policies; increasing emphasis on educational outcomes, testing and international comparisons of learning achievement; significance of shifts fostering lifelong learning and human capital formation; trends in educational accountability; changes in the role of the state and implications for the financing of education; privatisation and decentralisation of education; and the impact of ICTs on educational provision. Impact of major demographic, economic and labour market developments on education policies; impact on youth policy and transition from school to work, and their educational implications.

EDPB5018
Investigating International Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Anthony Welch **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** 4 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

Investigation and analysis of modes of research in international education, and associated issues in cross-cultural research. Opportunity to apply skills and perspectives gained in previous study to a particular strategic, policy or theoretical problem that relates to a defined geographical context, policy setting, or program. Students will review, research, and analyse modes of research, with support provided through relevant materials. Issues of data quality and range, the role of international organisations in providing data and shaping debates, and issues of power that should be negotiated in cross-cultural setting will be examined.

EDPB6013
Internationalisation of Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Anthony Welch **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** 500wd minor overview; 1200wd review essay; 1500wd minor essay; 2500wd special study project **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Cert Med Ed, Grad Dip Med Ed, M Ed, M Med Ed.

An investigation of major developments in internationalisation of education, at schooling, technical and further education, and higher education levels. Historical developments of internationalisation; contrasting interpretations and 20th century developments. Contemporary trend analysis including a detailed case study of a specific policy or program.

EDPC5002
Information Tech & Teach & Learn Proc
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Mr Nigel Goodwin; Dr H Tran **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** online contributions (50%) and project and presentation (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

In this core unit principles of teaching and learning are considered from the point of view of models for the use of information technology. It begins with a consideration of the role of new electronic technologies in augmenting human intelligence and information processing. Subsequent topics include exploratory learning with computers, developing thinking and problem solving skills, computer assisted instruction, artificial intelligence and expert systems, cooperative learning with computers, and affective processes and information technology. Students will gain an understanding of the way in which models of teaching and learning may be translated into curriculum applications with information technology, and of research evidence about the effectiveness of technology aided learning.

EDPC5003
Teaching, Learning and the Internet
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Chun Hu **Session:** Semester 2 **Classes:** online **Assessment:** discussion papers; research project; on-line interaction **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

This unit looks at how the current and emerging needs of learners are being met, or fail to be met, by the learning activities supported by internet technologies. Students are involved in practical activities using a variety of internet technologies, including discussion lists, online multimedia, textual virtual reality, and collaborative research tools. In addition students are introduced to theoretical models of learning as they are represented in popular approaches to learning on internet. In this unit students will also examine the changing roles of teachers and learners as education becomes increasingly available online. Students are required to have adequate internet access.

EDPC5012
Workshop on Evaluation of Ed Software
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Peter Goodyear, Dr Chun Hu **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** 2 evaluation reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

Student-teacher partnerships with information technology require teacher understanding and skill in choosing software to assist with the achievement of subject-specific classroom goals. This unit will develop student understanding of the principles of software evaluation and the criteria they would use in evaluating educational software. Students will then apply those principles and criteria in evaluating specific pieces of educational software of their own choice. Attention is also paid to more holistic approaches to evaluating IT - supported learning in context.

EDPC5015
Emerging IT and Educational Change
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Peter Goodyear, Dr Chun Hu **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** report (50%); group assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M Phil (Education), PG Coursework Exchange.

This unit provides a means by which students can explore the changing nature of teaching and learning practices in schools and

other education and training environments. In particular, the potential role that technologies can play in both the design and delivery of teaching and learning environments is critically examined. As a result of this exploration students will develop a capacity to assess technology-based change, to provide strategic advice about the intended outcomes of change in technology-rich environments, and to develop and implement effective strategies for achieving change in learning and training organisations for the benefit of learners.

EDPC5021
Introduction to the Learning Sciences
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Peter Reimann **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** short assignments; presentation; and final paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M L S &T, PG Coursework Exchange.

In this unit we build on work in the learning sciences (psychology, education, cognitive and neurosciences) as we look at psychological models of learning, cognition and motivation, especially as they relate to multimedia and computer-supported learning. Contemporary educational technology use will be analysed from a number of perspectives, including classical information theory, psychological media and communication theories, activity theory, socio-cultural learning theory, constructivist and models of distributed cognition.

EDPC5022
Educational Design Methodologies
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Peter Goodyear **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** short assignments, presentation and final paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M L S &T, PG Coursework Exchange.

This core unit of study seeks to provide students with solid background in research, theory and design methods necessary to enable informed and effective decision-making about which instructional methods to use, under what conditions, and in various educational and professional settings. Students will also gain practical experience with a number of educational design methods, use various design support tools and apply design methods to their own professional setting, as they engage in a number of authentic case studies. The unit looks at contemporary instructional design theories, models for educational media design, the psychology of design, individual and collaborative problem solving, research on advanced tools for educational media design and methods of interaction design.

EDPC5023
Innovative Practice & Emerging ICT
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Peter Goodyear **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** short assignment, presentation and final paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M L S &T, PG Coursework Exchange.

This core unit will examine how recent technological changes interact with the practices of teaching, learning and communication in a variety of settings, including schools and commercial organisations. We will also seek to anticipate future changes and predict how they will affect, and be adapted by, teaching nd learning practices, with the aid of systematic analysis methods for technology assessment and forecasting. Topics include: the fusion of computer and communication technologies, resulting in opportunities for mobile learning; the emergence of sematic web technologies, resulting in opportunities for mobile learning; the emergence of sematic web technologies, resulting in new educational web services; synergies between knowledge management and e-learning; and trends in language and voice technology. Our complementary analysis of educational practices will concentrate on (a) the work of individual teacher/trainers in integrating ICT into their activities, (b) organisational strategies for managing the appropriate use of new technology.

EDPC5024
Learning & Change, a Systems View
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Peter Reimann **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** short assignments, presentation and final paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M L S &T, PG Coursework Exchange.

In this core unit we will use 'systems inquiry' as a conceptual framework to describe change and learning processes, on the individual, group and organisational level. We focus on a theory-based approach to change management and organisational learning, so that students can come to appreciate the complexity, and non-linearity, of bringing about change in schools, corporations and other organisations, and become more critical about fashion-driven management approaches that lack a robust research basis. Students will gain hands-on practical experience as they apply systems inquiry concepts and methods to analyse change problems in their own professional environment.

EDPC5025
Learning Technology Research Frontiers
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Peter Reimann **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** contributions to discussion, presentation and final paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M L S &T, PG Coursework Exchange.

This unit is designed for students in the later phase of their studies, who need specialised knowledge regarding new research and technical developments, as well as an understanding of advanced research methods, appropriate to the fields of learning technologies. Students will look at recent theoretical developments, advanced research methods and current debates, as well as gain experience framing and refining research questions and analysing complex data sources. Students will get the opportunity to assess the merits of the various approaches discussed, in terms of their own research project. The unit will involve intensive discussion and the participation of invited external experts.

EDPC6017
Educational Technology Project
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Goodwin **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Prerequisites:** EDPC5002 **Corequisites:** EDPC5003 **Assessment:** cognitive task analysis (30%); performance analysis and specification (30%); prototype design and storyboard (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

This unit contextualises previous study by focusing on the application of extent theories and models of learning within the Stolovich and Keeps (2000) instructional model. Participants will take a conventional, paper-based instructional package, deconstruct and analyse the learning and performance requirements, and then reform it for use using ICT in a commercial learning environment.

EDPC6018
Designing Computer Assisted Learning Env
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Chun Hu **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** essay and project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M Phil (Education), PG Coursework Exchange.

Cognitive perspectives on human learning are introduced as a basis for instructional design theory, the principles of which are demonstrated

through practical examples. Students are asked to develop a model for technology-delivered instruction in a context familiar to them. A number of software packages and multimedia authoring environments and the paradigms they employ are demonstrated. These may include CD-ROM based learning materials, web authoring software, high level authoring tools or others with which some students may have experience. The objective is to introduce students to a wide range of technologies to which they may 'apply' their developing instructional models. No authoring is specifically taught.

EDPD5001
Students with Special Educational Needs
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper involving a review of theoretical and research literature; a research interpretation and evaluation critique **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange, PG Summer/Winter School.

It is intended that this unit of study will examine the general and specific characteristics and learning requirements of children with intellectual, physical, language, sensory, learning, behavioural and/or emotional disabilities and an understanding of disability issues, legislation and policy, with a particular emphasis on NSW policies, documents and handbooks. Through the study and discussion of theory and research related to such disabilities and issues, students will be guided more explicitly to an understanding and critical evaluation of research literature in these fields, focusing particularly upon the cognitive, effective, social, and behavioural needs and characteristics of such children. This focus is intended to enable the reading of professional publications with understanding, and to develop skills of critical review and analysis necessary for the evaluation of research in the field.

EDPD5002
Principles of Workplace Training
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2hrs **Assessment:** seminar paper involving a review of theoretical and research literature; a research interpretation and evaluation critique **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange.

The aim of this unit is to provide participants the skills and knowledge for developing an intervention that assists a client with an intellectual disability gain access to employment. Building on a theoretical base, and reviews of the literature, participants will engage in a range of tasks that require them to demonstrate a critical and reflective understanding of the planning process. Topics covered include assessment, shaping and scaffolding behaviour, and ongoing monitoring of progess of clients.

EDPD5003
Principles of Open Employment
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** scenario task; applied project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange.

This unit examines the supporting research, legislation and policies that underpin the principles of open employment for persons with disabilities. Participants will critically anlyse research and legislation relating to open employment. Students will report in writing and verbally on a task of placing a client that demonstrates their understanding of the principles of open employment.

EDPD5004
Understanding Challenging Behaviour
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** scenario task; behaviour plan and analysis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange.

This unit addresses research and practice in managing appropriate social behaviour for persons with disabilities. A focus will be on pro-social approaches to managing behaviour, and strategies for managing challenging behaviours in open-employment settings. Problem-based learning sessions will require participants to link research to practice.

EDPD5005
Early Language Learning Issues
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 1 seminar/workshop x 2 hr x 13 wks **Assessment:** presentation (20%); 3000wd essay (40%); 2 hr exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ed, PG Coursework Exchange.

Language learning in the first five years is a critical base for all future communicative, social, cognitive and academic functioning in humans. This unit examines the range of evidence and issues in this critical area of human learning, with a particular focus on the factors influencing language learning, both positive and negative. Key theories, research and skills in language assessment and interventions are introduced and critically evaluated. The implications of knowledge of initial language learning for older individuals with continuing communicative difficulties are also considered.

Textbooks
Bernstein, D.K., & Tiegerman, E. (2002). Language and Communication Disorders in Children (5th Ed). New York: Merrill

EDPD5011
Integration Process
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar presentation and paper; written analysis of an attitude survey **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit will critically examine the process, models, educational policies and strategies proposed for the integration and inclusion of students with special needs into the regular classroom and the community. The shift in the debate from whether or not integration should take place to the acceptance of the principles of integration and inclusion, and the consequent debates concerning strategies for the implementation and inclusion are major discussion topics. Issues such as the most effective curriculum structures and the hidden curriculum within integration and inclusion will be raised. The strong movement towards full inclusion of people with disabilities, both in schools and the community, will be explored, together with an examination of the barriers to full inclusion, such as stigma and negative attitudes towards disability, the service delivery structures in schools and community services, the cost factor and appropriate levels of training for all staff involved.

EDPD5012
Preventing Disruptive Behaviour
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar presentation paper; development of behaviour management project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit is designed to investigate the techniques and procedures, developed from sound research, that teachers and community workers can use in order to prevent behaviour problems from arising as well as for the management of behaviour problems as they occur. A wide range of theories and principles will be discussed including the processes involved in a whole school commitment to the management of behaviour; collaboration and consultation; the effects of communication and teacher behaviour on discipline. A wide variety of practices and programs designed for the management of behaviour will be analysed and critically evaluated.

EDPD5014
Teaching Learning Difficulties - Basics
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** seminar presentation and paper; design of an intervention program **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit is intended to be an in-depth study of current theories, research and practice in the development of basic skills (language, literacy and numeracy), including a special emphasis on self-directed learning in students with disabilities, learning difficulties and behaviour disorders. An understanding and discussion of basic learning theories related to the basic skills, in regular education, are fundamental to these studies. The wide-ranging practices, controversial issues and perspectives offered in this field of study will be discussed. Practical, research and evaluation skills will be developed in relation to assessment, programming, and program development for students with difficulties in these basic skills areas, with special consideration given to the modes of service delivery operating in our educational systems.

EDPD5015
Meeting Spec Ed Needs Through Curriculum
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar presentation and paper; curriculum modification project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit is designed to explore the collaborative relationship between the regular classroom teacher and the special educator in the development of curricula for students, with special education needs, integrated or included in their local school. Current research in curriculum design for special education will be discussed together with a critical analysis of the political and controversial issues related to such curricula. A variety of available curricula for students with special needs, from both regular and special education resources, will be discussed, analysed and critically evaluated. The processes and practicalities of modifying curricula to suit individual needs will be explored, together with the construction and use of alternative curricula for students with special needs in integrated, segregated and inclusive schooling situations.

EDPD5017
Gifted Talented:Psych & Develop Perspec
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Summer Main **Classes:** block/intensive mode 4 days **Assessment:** paper/field report 2,000 word; tutorial presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Summer/Winter School.

There is a considerable body of theory and research pertaining to giftedness and talent and its development in individuals, and to psychological and development aspects of individuals identified as gifted and talented. Awareness of this material, and appreciation of the issues involved is necessary to provide a sophisticated understanding of constructs, policy, and practice in field, and assist graduates to informed decision-making in the field, and enhance their skills in facilitating the development of special abilities in others, and in working effectively with gifted and talented individuals in educational, home and other environments.

EDPD5018
Gifted & Talented: Ed Models & Practice
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Winter Main **Classes:** block/intensive mode 4 days **Assessment:** paper/field report 2000 wd; tutorial presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Summer/Winter School.

This unit considers issues in the formulation and planning of curriculum for teaching gifted and talented students at all levels of the school system. The model analysed will provide direction for practical programming including modification of curriculum and content of regular programs, and best instructional practice at the classroom level.

EDPD6001
Researching Open Employment
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** literature review (50%); portfolio (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange.

This unit requires students to demonstrate their understanding of action research methodology in examining their own learning about open employment, and how they assist a client achieve set outcomes for gaining employment in the community. Project will be discussed as part of in-class problem-based learning sessions, with the final product presented verbally to the class, and in writing to class tutor.

EDPD6015
The Consultative Process
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** theoretical paper; participation in a collaborative team meeting and providing a written report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

The role of special educators is becoming more involved in collaborative consultation, with special educators, regular educators, therapists, medical practitioners, parents and community workers needing to join forces to determine best practices and to evaluate the effectiveness of programs, in order to provide the best and most appropriate programs for people with special needs in a wide range of school and community settings. In order to undertake this role, the special educator will need to have a good working knowledge of a range of consultation models, knowledge and skills in the understanding of parent and student needs, and effective interpersonal communication skills. This unit is designed to facilitate the development of the knowledge and skills required to take on this consultative role.

EDPD6018
Screening & Assessment in Special Ed Adv
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** selection and evaluation of assessment procedures; development of assessment plan **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit of study is designed to facilitate the development of an understanding of the processes involved in such screening and assessment procedures and the skills required to use these in the development, implementation and evaluation of programs for students with special needs. Through a study, and evaluation of a variety of assessment procedues and instruments, the student will gain an understanding of and familiarity with the techniques used and the responsibilities of team members in the process of referral, placement, assess to support services, transition, and the design and monitoring of individual and group education plans.

EDPE5001
Learning, Knowing and Thinking
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** Seminar paper and integrative review essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M Phil (Education), PG Coursework Exchange.

A core unit of study which examines ways in which current understanding of cognitive processes related to learning, knowing and thinking may contribute to the design of learning experiences in varied settings. Consideration will be given to constructivist and generative approaches to learning and to schema therory approaches to facilitating knowledge development and problem-solving skills. Emphasis will be placed on the teaching of learning strategies, the development of metacognitive skills and the integration of domain knowledge and strategic knowledge. Issues of transfer of learning, patterns of student interaction in learning, creativity and the facilitation of self-regulartion in the learner will be examined.

EDPE5002
Child Development in Context
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar presentations (40%) and practical report (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

A core unit of study which presents models and theories from developmental psychology. The aim is to understand complexities of cognitive, social, emotional, and physical development. Seminars address current issues on the development of children in the context of families, schools and communities. The focus is on current research in Australia that relates growth, maintenance and decline, development and transitions to diverse outcomes for children. The emphasis is on individuals in changing relationships and social networks.

EDPE5011
Motivation for Learning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and integrative review essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M Phil (Education), PG Coursework Exchange.

The major focus of this core unit centres on recent psychological study of motivational processes in the learner and on ways in which learning environments may be seen to foster student motivation for learning and thereby facilitate the attainment of desired learning objectives. The unit will consider the balance between intrinsic and extrinsic sources of motivation, teacher expectations and learner motivation, self-concept and self-system processes in learning and issues of success and failure and anxiety in learning settings. Emphasis will be placed on goal setting and feedback in establishing a facilitative learning environment, student interaction in cooperative learning and the development of motivational components of self-regulation in the learner.

EDPE6011
Learning and Individual Differences
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and presentation essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M Med Ed, M Phil (Education), PG Coursework Exchange.

This unit examiners major areas of individual differences among learners and ways in which educational provision may be adapted to accommodate these differences in helping each student to achieve major learning outcomes. Consideration will be given to areas of cognitive and social-motivational differences, learning styles gender differences and differences between advantaged/disadvantaged groups to major components of programs designed to meet individual differences. Particular attention will be given to implications of research which (a) explores aptitude-treatment interactions, (b) elucidates the mediating processes involved in adaptive provisions and (c) evaluates outcomes of major forms of provision for individual differences.

EDPE6013
Learning and Teaching Thinking Skills
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

This core unit of study centres on examination and evaluation of a number of approaches to the development of higher order cognitive skills. Consideration will be given to the structuring of knowledge to facilitate explanation, problem-solving and creativity and to the use of internalised sefl-regulatory control strategies in fostering cognitive outcomes. Ways in which thinking and cognition can be supported and extended in educational contexts will be examined in some detail. Particular attention will be given to factors that influence thinking, the role of tools and technologies in facilitating thinking, and perspectives on thinking and cognition generated by contemporary research in cognitive science.

EDPE6016
Adult Learning and Development
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and presentation; and essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M Phil (Education), PG Coursework Exchange.

This unit examines selected issues relating to adult development and adult learning. Concepts of growth and decline are explored, particularly in relation to cognitive development, transitions in the workplace, within families, and in other social contexts. Considerations of adult learning focus on adult conceptions of learning, metacognition, and the nature of expertise. It considers contexts for adult learning, and concepts of self-directed and self-regulated learning.

EDPF5001
Contemporary Issues in Teaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1 **Classes:** seminars 13 wks x 2 hrs **Assessment:** 4000 wd critical review and 2000 wd seminar presentation and paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

The purpose of this core unit in Teaching and Curriculum Studies is to provide participants with an opportunity to explore the socially constructed nature of schooling, curriculum, teaching and learning. Current issues that impact on teachers' work will be investigated. Recent research and theory that examine the roles of teachers in facilitating students' learning in primary, secondary and tertiary contexts will be reviewed and critiqued. A series of core sessions will initially consider issues which have impacted across all education sectors (eg outcomes based education, problem based/inquiry learning; issues of class, gender and culture; the politics of curriculum reform). Depending on the professional interests of participants, remaining sessions will be negotiated to ensure that perspectives in the most relevant Key Learning Areas are examined.

EDPF5002
Design and Technology Curriculum
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Mr Ian Stevens **Session:** Semester 2 **Classes:** 13 wks x 2 hrs (lectures, tutorials, workshops) **Assessment:** major design project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education).

This is a core unit in the retraining program which addresses curriculum issues for practicing teachers and aims to assist them consolidate the work skills that they have developed for the classroom, and to broaden and deepen their knowledge, organisational skills and appropriate teaching strategies in a way that can be applied directly in classrooms. It draws together a diverse set of disciplines with different histories and traditions that all share an interest in effective design and the practical use of technologies. The unit focuses on a design, make and evaluate approach to learning, emphasising student centred learning and negotiated content.

EDPF5003
Enquiry into Arts Education Practice 1
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1 **Classes:** 13 wks x 2 hrs (lectures, tutorials, presentations, group work) **Assessment:** 1500-2000wd presentation and paper (30%) and major presentation and portfolio (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M C A E, M Ed, PG Coursework Exchange.

This unit explores concepts in aesthetics and creativity and is designed to support academic enquiry into the theoretical and affective contexts in which practices of arts education have developed in recent years. The content in this unit provides students with greater familiarity with key issues relating to the different kinds of knowledge produced in a diverse range of arts contexts and is therefore suitable for those students who are interested in the visual arts, design, music, dance, film and theatre performance at all levels of education. Students will develop an understanding of the theoretical and classificatory structures relevant to the realms of knowledge pertinent to the domain of arts education. It will enhance evaluative knowledge in relation to qualitative issues related to the domains of aesthetics, creativity and the arts and develop knowledge and understanding of various research practices including arts-based enquiry and the use of 'performance based case studies' in arts education.

EDPF5004
Enquiry into Arts Education Practice 2
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** 13 wks x 2 hours (lectures, tutorials, presentations, gourp work) **Prerequisites:** EDPF5003 **Assessment:** 2000-2500wd presentation (40%) and seminar presentation and reflective journal (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M C A E, M Ed, PG Coursework Exchange.

This unit builds upon knowledge, understanding, skills and experiences gained in EDPF5003. It is designed to further develop theoretical skills in critically analysing, evaluating and reflecting on personal art experiences and placing these experiences within an educational contex. Students will develop further research skills and understanding of conceptual frameworks used to analyse arts education. In particular the course focuses on designing and implementing cross-curricular programs in arts education at all levels of education that allows students to enhance the nature of pedagogical engagements and refine discretionary skills in implementation of arts programs in schools.

EDPF5008
Action Research and Action Learning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Ann Cheryl Armstrong, Dr Diane Bloomfield, Dr Anthony Loughland **Session:** Semester 1, Semester 2 **Classes:** Block mode, 6 Saturdays 9.30 am to 1:30 pm **Assessment:** 6,000 word Action Research Project and an Action Learning Portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

This unit of study which focuses on action research methodology and action learning will require participants to relate their current professional knowledge and understanding to evidence provided in the research literature. As teachers become more skilled in using research evidence and carrying out research for themselves, the program will create a critical mass of teachers committed to, and skilled in using an evidence based approach to improving their own and their pupils' performance in schools.

Textbooks

Carr, W. and Kemmmis S. (1986). Becoming Critical: Education, Knowledge and Action Research. London: Falmer Press.
Carr, W. and Kemmis S. (2005). Staying Critical Educational Action Research, Educational Action Research, Volume 13, Number 3.
Carr, W. (2005). The Role of Theory in the Professional Development of an Educational Theorist, Pedagogy, Culture and Society, Volume 13, Number 3.
Coghlan, D. & Brannick, T. (2005). Doing Action Research in Your Own Organisation (2nd ed.). London: Sage.

EDPF5015
Professional Mentoring-Teacher Induction
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Robyn Ewing; Ms Carmel Fahey; Dr Ann Cheryl Armstrong **Session:** Semester 1, Summer Late **Classes:** intensive block mode, 4 Saturdays, 9am-1pm **Assessment:** workshop participation; action research poster presention and paper **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange, PG Summer/Winter School.

This unit is designed to meet the needs of mentors and early career teachers. Workshop sessions will seek to support mentoring and induction programs currently being undertaken by participants in their own professional contexts. Substantial opportunities will be provided for individual participants to discuss specific issues and concerns. The unit is offered in an alternative mode (over four Saturdays with participants undertaking their own investigations around specific issues in between meetings).

EDPF5018
Design in Practice
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1, Semester 2 **Classes:** 13 wks x 2 hours **Assessment:** reflective portfolio; case study and design project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education).

This unit seeks to develop the express link between the teacher, the school and other organisations by requiring the participating teacher to establish a relationship with such an organisation and to develop and work through a design brief. The organisation selected will operate in a field relevant to the technology curriculum school but not necessarily in a field directly related to the participant's current specialisation. The design knowledge, skills and experiences gained will be able to be applied directly by the participants and, will provide the opportunity for them to provide learning experiences at primary and/or secondary school level that are more directly linked to, and reflective of, the wider world of business and industry.

EDPF6014
Issues in Teacher Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Ms Carmel Fahey and Dr Llian Merritt **Session:** Semester 2 **Classes:** seminars 13 wks x 2 hrs **Assessment:** 1000 wd seminar paper; 4000 wd special topic presented at conclusion of seminar **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit will examine features of, and factors related to, the development of the theory and practice of teacher education in western countries during the twentieth century. Particular attention will be paid to problems and issues facing teacher educators and to an examination of selected and significant recent trends.

EDPF6016
Curriculum Leadership & Managing Change
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Debra Hayes **Session:** Semester 1 **Classes:** intensive block mode 4 days 9am-1pm **Assessment:** 1000wd minor report based on seminar presentation; 4000wd major report based on action research inquiry **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange.

This unit provides the opportunity for candidates to synthesise understandings from previous units in the streams Educational Management and Leadership and Teaching and Curriculum Studies, and to focus these understandings on the investigation of the curriculum management in schools and other educational contexts. The unit is especially designed to assist those candidates who presently occupy or aspire to occupy such roles as Executive Teacher or Director of Curriculum in schools or their equivalent in other systems. While a range of topics have been identified, there will be the opportunity for participants to negotiate the specific content of the unit.

EDPF6018
Film & Visual Media: Pedagogy & Practice
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Jacqui Manuel; Dr John Hughes and Dr Michael Anderson **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** 2,000 wd critical essay (40%); 4,000 wd Visual Media Process Diary and Work Sample (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ed.

This unit of study will focus on the pedagogies and practice that engage young people in an appreciation and understanding of the role and significance of film and visual media in a range of contexts.

EDPG5001
Language as Social Practice
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Brian Paltridge **Session:** S1 Late Int, S2 Late Int, Semester 1 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** 2 written assignments (35% and 65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

Language has no role outside of its social context. This unit considers the relationships between language and social context, and how this effects the production and interpretation of spoken and written discourse. Topics covered include discourse and society, discourse and pragmatics, discourse and genre, discourse and conversation, and critical discourse analysis. Implications for professional practice are also discussed.

EDPG5012
Educational Drama
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Michael Anderson/Dr John Hughes **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** Seminar paper; contribution to seminars; 3,000 word critical review **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit will begin by examining current theories of educational drama in Australia, the United Kingdom and northern America. The focus will be on drama as a learning medium, as an art form, as a therapeutic activity and for personal development in schools. The unit will then explore the notions of teacher-in-role-play-building and the drama elements of focus, tension, space, text and symbols. The unit will provide a conceptual basis for the integration of theory and practice of drama in education. Participants will be encouraged to both reflect on current practice and generate new appraoches through an understanding of the nature of drama in school curricula.

EDPG5013
Theatre for Young People
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Michael Anderson, Dr John Hughes, Assoc Prof Robyn Ewing **Session:** Semester 1 **Classes:** block/intensive mode 18 hours of seminars and workshops **Assessment:** case study seminar and paper (2,500 words) and performance portfolio (3,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange, PG Summer/Winter School.

This unit examines through analysis and practice the history and practices of Theatre for Young People. It investigates the history and growth of this performance area and discusses some of the research and theoretical approaches relevant to the area. The unit will also develop through workshops a practical appreciation of Theatre for Young People.

EDPG6011
Theatre-in-Ed:Child Play to Performance
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** J. Hughes **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** Seminar presentation; research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit explores the continuum from child play through to adult performances for children. It also examines the development of Theatre in Education (TIE) as a distinct genre of theatre. The unit focus will be on: the role of the teacher in facilitating the development of performance from play building; performances by students K-12; the Group Performance in 2-unit HSC Drama; the role of the reflective journal in promoting learning from performance; the history of TIE and current practice in Australia and internationally; using TIE to promote learning.

EDPG6014
New Literacies

Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Angela Thomas **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** Text analysis/ 3,000 word critique; Seminar presentation/paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit addresses the changing dimensions of English teaching with respect to the emerging research in what has been termed 'New Literacies'. In the context of K-12 classrooms, it criticaly examines issues of media literacy, critical literacy, cultural literacy, visual literacy and electronic literacy. State, national and international perspectives are considered and critiqued. The focus is primarily on the new kinds of literacy demands on children in a visually saturated and technological advancing society. It will also examine emerging sites of literacy and literacy practices such as online communities, where children are negotiating new forms of literacies, identities and power.

EDPJ5001
Intercultural Language Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** S1 Late Int, S2 Late Int, Semester 1 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** essay (3000-3500 wds) and case study (2000 wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, PG Coursework Exchange.

This unit is designed to allow students to develop their understandings of intercultural language education in second language education contexts. Students will engage with current theoretical and research-based principles of intercultural language education, with pedagogical understandings, with cases of practice, and with issues surrounding classroom implementation of, and evaluation of, intercultural language teaching and learning. There will be examination of cases from primary, secondary and tertiary classrooms, from within Australia and from other countries throughout the world. Students will be expected to critically analyse and make judgements about the theories and practices involved with this new methodology.

Textbooks
Corbett, J. (2003). An intercultural approach to English language teaching. Clevedon, UK Multilingual Matters.
Moran, PR (2001). Teaching culture: Perspectives in practice. Boston, Mass: Heinle & Heinle.

EDPJ5002
Second Language Acquisition
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Aek Phakiti **Session:** S1 Late Int, S2 Late Int, Semester 2 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit presents the major theoretical frameworks used to consider issues in pre-school language development, first language development during the school years and the learning of second and subsequent languages by children and adults. It will discuss the common features in language development and will also take into account issues of social opportunity, age-related factors and other individual factors which lead to differential language proficiency in learners.

EDPJ5013
Methodology and Language Teaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marie Stevenson **Session:** S1 Late Int, S2 Late Int, Semester 2 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** portfolio (80%); tutorial presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This core unit provides an introduction to language teaching methodology. It covers both theoretical and practical issues, but has a particularly practical focus. Students will learn about different approaches to language teaching, and in particular about the components of communicative language teaching, the currently dominant approach. This unit will focus on key aspects of classroom practice and students will have the opportunity to practice these aspects and will be expected to reflect on your own teaching practice.

EDPJ5016
Grammar: Text and Context
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marie Stevenson **Session:** Semester 1 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** 2 written assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This core unit focuses on grammar of English and the teaching of this in the second/foreign language classroom. It also focuses on building awareness of key features of English grammar and on how grammatical choices are influenced by the textual, situational and socio-cultural context. A principle that is stressed is that some grammatical features actually function above the level of sentence, with choices having consequences for meaning, style and structure of the whole text. This unit is intended for language teachers. Suitable for teachers who know the rules but are interested in developing their sensitivity to the role context plays in specific grammatical choice and also for those with little prior knowledge of English grammar. However, students with little prior knowledge are likely to find they need to do some extra reading.

EDPJ5018
English for Specific Purposes
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lindy Woodrow **Session:** S1 Late Int, S2 Late Int, Semester 2 **Classes:** 13 wks x 1 hr (lectures) and 13 x 1 hr (tutorials) **Assessment:** presentation (30%) and course design project (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit will examine issues in the teaching of English for specific and business purposes. Topics covered include definitions and the history of ESP, English for academic purposes, English for business purposes, language of skills development, need analysis, course design, materials development, classroom practice, ideology and assessment.

EDPJ5019
Languages in the Primary/Elem Grades
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** 2 written assignments and tutorial presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit introduces and makes explicit principles and issues surrounding the teaching of foreign languages in the primary/elementary grades. This unit is particularly suitable for students who are currently, or who will in the future, teach foreign languages in primary/elementary school contexts. The unit will allow students to

explore goals and rationales of such programs in various contries, as well as the related theories and classroom practices.

Textbooks

Browett, J. (2006). Teaching languages in the primary school: Examples from current practice. Carlton, Vic: Curriculum Corporation & Asia Education Foundatioon.

EDPJ5020
Literacy and Language Teaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marie Stevenson **Session:** Semester 2 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** 2000 word essay (40%) and a portfolio of tasks (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

In this core unit, current approaches to teaching reading and writing in the second/foreign language classroom will be examined. Key issues surrounding literacy as a social, psychological and technological phenomenon and the implications of these issues for TESOL will be explored. It will be emphasised that literacy is not a singular notion that operates uniformly in all societies or in all contexts. In an age of increasingly sophisticated information technologies and the spread of English as a global language, notions of literacy are changing rapidly, and these changes inevitably have repercussions for teaching reading and writing in the language classroom.

EDPJ5021
Developments in English Lang Teaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr David Hirsh **Session:** S1 Late Int, S2 Late Int, Semester 1 **Classes:** 13 wks x 1 hr (lectures) and 13 wks x 1 hr (tutorials) **Assessment:** essay (80%) and classroom presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: M Ed, PG Coursework Exchange.

This unit examines contemporary developments in English language teaching such as issues in the teaching of listening, reading, writing and speaking, as well as teaching and learning grammar and vocabulary. Other issues that are currently being discussed in the TESOL literature will also be addressed.

EDPJ5022
Research Methods in Language Learning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Aek Phakiti **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** 2 written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: M Ed.

This unit introduces students to a range of approaches to research in the area of language teaching and learning. Topics covered include experimental research, ethnographic studies, case studies, classroom observation, introspective methods, elicitation techniques, conversation analysis, action research, language program evaluation, research ethics, sampling and triangulation. This unit reviews and critiques studies in the area of language teaching and learning as well as providing students with a framework for writing a research proposal. It is a required module of study for students who wish to include a dissertation in their degree.

EDPJ5023
Teacher Professional Development for EFL
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Hui Shen **Session:** S1 Late Int, S2 Late Int, Semester 2 **Classes:** 13 wks x 2 hrs (lectures/seminars) **Assessment:** 2 reflective writings (20%); classroom presentation (20%) and workshop program design (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

Associated degrees: M Ed.

In this unit students identify the needs of language teachers in pre-service and in-service courses and explore different models of teacher development. Participants consider ways of leading teachers to a fuller appreciation of language teaching goals, methods and activities in the light of these models. Discussion of the practicum occurs and participants have the opportunity to design and conduct training sessions to meet particular goals and provide self and peer critique.

EDPJ5024
English in Academic Settings
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lindy Woodrow **Session:** Semester 1, Semester 2 **Classes:** 13 wks x 2 hrs (lectures/tutorials) **Assessment:** Two written assignments (30% and 50%) and journal (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Cert E L A, Grad Cert Ed Studies, Grad Cert Media Prac, Grad Cert P C, Grad Dip Ed Studies, Grad Dip P C, M Ed, M P C, PG Coursework Exchange.

This unit is designed for students from non-English speaking backgrounds who wish to improve their English as well as understand better the setting in which it is produced. The unit has two components: the development of personal academic skills, particularly writing, and an in-depth consideration of linguistic and non-linguistic aspects of communication in academic settings.

EDPJ5025
Bilingual Education
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** 2 assignments (2,500 and 3,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ed, PG Coursework Exchange.

This unit introduces and makes explicit principles and issues surrounding bilingual education. The unit is particularly suitable for students who currently teach or who will teach in future, in bilingual/immersion contexts. Examined are issues such as rationale and goals of bilingual education, theory and classroom practice, and an overview of current research in a number of countries.

Textbooks

Baker, C. (2006). Foundations of Bilingual Education and Bilingualism. (4th Ed). Clevedon, NJ: Multilingual Matters.

EDPJ5026
Language Testing and Assessment
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Aek Phakiti **Session:** Semester 1 **Classes:** 13 wks x 2 hrs (lectures and seminars) **Assessment:** test development (60%); and review of language testing articles (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ed, PG Coursework Exchange.

This unit provides a broad overiew of the major principles involved in second and foreign language testing and assessment. The focus of the unit is on both theoretical and practical issues in testing and assessment. The design of language tests and assessment appropriate to particular learning settings is addressed with reference to communicative language teaching methodology. Issues concerning the influence of testing on teaching and recent developments in research in testing and assessment will be considered.

EDPJ5027
Teaching Pronunciation

Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Marie Stevenson **Session:** Semester 2 **Classes:** 13 wks x 2 hrs (lectures and seminars) **Assessment:** portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ed, PG Coursework Exchange.

This unit aims to provide students with a background in the sound systems of English and in recent developments in the teaching of English pronunciation to learners. This unit presents an interactive approach that combines the traditional bottom up 'individual sound' approach with more recent holistic approaches to teaching pronunciation. This unit aims to provide students with the knowledge of how sound systems work in English, the skills to analyse pronunciation and prosody, and the ability to plan programs and units of work to address pronunciation needs.

EDPK5001
Qualitative Methods
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Murray Print **Session:** Semester 1 **Classes:** 6 wks x 4 hrs **Assessment:** class exercises and report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Cert P S, Grad Dip Ed Studies, Grad Dip Med Ed, Grad Dip P S, M Ed, M Ed (Res), M L S &T, M Med Ed, M P S, M Phil (Education), PG Coursework Exchange.

This unit introduces students to the major philosophical and theoretical cores underlying qualitative research. It examines the relationship between research questions and appropriate study designs, as well as the issues of sampling and ethical considerations. Students will develop skills in the use of various interviewing, observation and other ethnographic techniques.

EDPK5002
Quantitative Methods
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Wilson **Session:** Semester 1 **Classes:** 6 wks x 4 hrs **Assessment:** portfolio of quantitative research methods (40%); research analysis using SPSS (40%); presentations (10%); and 2 multiple choice class tests (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Cert P S, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M P S, M Phil (Education), M Teach, PG Coursework Exchange.

This unit introduces students to the basic principles and procedures of quantitative research. Both experimental and survey research strategies are considered; starting with design and development of the research tools (measures, questionnaires, interviews, observation) and progressing to basic analytical statistical methods. The unit provides a thorough introduction to simple statistics and often looks at real research data examples. By the end of the semester students will have developed various research skills as well as a critical perspective on the appropriate application of those skills.

EDPK5003
Developing a Research Project
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Wilson; Prof Gabrielle Meagher **Session:** Semester 1, Semester 2 **Classes:** Semester 1 - 26 hours face-to-face teaching over 6 weeks; Semester 2 - 13 wks x 2 hrs **Assessment:** weekly exercises (50%) and student's research proposal (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M L S &T, M Med Ed, M Phil (Education), PG Coursework Exchange.

This core unit is seen as the foundation unit in research methods and it provides an overview of the research process, with a focus on critical evaluation of research reports and the design of research projects. It covers a wide range of basic research techniques and introduces other research methods that are the focus of more in-depth study in other search methods units. Reseach design issues and various methods of data collection examined. Students explore the use of quantitative and qualitative approaches; various research strategies; observation, documents, questionnaires and assessments. The assessment in this unit is developed around students' own research interests and by the end of the unit students will have developed their own research proposal document.

EDPK5013
Quantitative Analysis
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Wilson; Mrs Monica Wong **Session:** Semester 2 **Classes:** 6 wks x 4 hrs **Assessment:** portfolio of statistical analysis methods (50%) and statistical modeling of data (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

This unit provides the conceptual understanding and skills necessary for the analysis numeric data. Thus, it is appropriate for those students intending to complete surveys (questionnaire and/or observational) or experiments/quasi-experiments in their research projects. A range of multivariate analysis techniques are introduced and explored both conceptually and practically. The topics covered include levels of measurement, Exploratory Data Analysis, statistical inference, correlation, t-tests, analysis of variance, linear regression, factor analysis and a review of emerging multivariate techniques. Direct experience in the use of appropriate software packages (SPSS) to carry out these analyses on real data sets will be provided.

EDPK5015
Evidence Based Policy
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Wilson **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** 3000wd critical review of research article (50%) and 3000wd research/policy relationship case study (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert P S, Grad Dip Ed Studies, Grad Dip P S, M Ed, M P S, PG Coursework Exchange.

This unit is designed to introduce policy and/or research students to the concept of Evidence Based Policy by outlining current developments in this field. Various research methods are introduced and discussed at a conceptual level so that policy makers and researchers can understand and critically appraise research evidence. We focus on research methods that have a close association with policy and the unit outlines methods and issues in value added/rates of return models (with specific examples of school effectiveness studies), multilevel modelling, cost-benefit/cost-effectiveness modelling, program evaluation studies, systematic reviews and meta-analyses. The unit uses case studies of recent research and policy to explore the application of the principles of evidence-based policy.

EDPK6001
Adv Qualitative Research Methods
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Murray Print; Dr Rachel Wilson; Ms Annette Sartor **Session:** Semester 2 **Classes:** 6 wks x 4 hrs **Prerequisites:** EDPK5001 or EDPK5003 **Assessment:** group presentation of research method (25%), review of research approaches (25%) and research report/draft publication (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D S W, Ed D, M Ed, M Ed (Res), M Phil (Education), M Phil S W, Ph D.

This unit develops students' skills in qualitative research methods to a higher level, extending them beyond the essential methods covered in EDPK5001. Students will become familiar with more sophisticated qualitative research methods including ethnography, embedded case studies, focus groups, grounded theory and phenomenography.

EDPK6012
Qualitative Analysis

Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Wilson; Assoc Prof Murray Print **Session:** Semester 2 **Classes:** 6 wks x 4 hrs **Assessment:** seminar presentation and project report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

This unit introduces students to the major forms of qualitative data arising from social science and humanities-based inquiry, and the associated analytical techniques. Links between theory and methods are emphasised. Analytical techniques associated with grounded theory, ethnography, content analysis and narrative approaches are considered. The unit is oriented towards the analysis of data already collected by students and aims to provide them with skills to complete this aspect of a research project.

EDPK6016
Advanced Statistical Analysis
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Wilson **Session:** Semester 2 **Classes:** 6 wks x 4 hrs **Assessment:** review paper and short project report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education), PG Coursework Exchange.

This unit develops students' skills in multivariate analyses. Where possible student's own data sets will be the focus of analysis using SPSS. Topics include factor analysis, cluster analysis, multiple linear regression, interaction modeling, path analysis and Structural Equation Modelling (SEM). Students are encouraged to develop analysis plans, conceptual models for analysis and critical perspectives on statistical reports. It is recommended that students complete EDPK5002 before enrolling in this unit, or contact Coordinator to discuss suitability. A sound grasp of basic statistical concepts is needed to undertake this unit of study.

EDPN5013
Teaching Skills for Coaches
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** S2 Late Int **Classes:** intensive mode over 3 weeks **Assessment:** Case studies and role plays **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

Frequently elite athletes are being recruited into professional coaching roles in many sports. Their knowledge of their sport's skills and tactics, their ability to 'read the game' and their first-hand experience at competing at an elite level form the foundation of their coaching. However, playing ability does not necessarily translate into coaching aptitude. Putting this knowledge and experience into action requires the coach to use an effective mix of organisational skills, teaching strategies, communication skills and planning practices. This unit will outline a number of concepts to enhance a coach's effectiveness and provide a smooth transition from elite player to elite coach.

EDPN5014
Coach Effectiveness: Evaluation
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** S2 Late Int **Classes:** Block mode **Assessment:** observation and interview of a coach (50%) and reflective report (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

The ability to evaluate is part of the coaching process. This unit will examine such questions as: was the coaching effective in achieving its purpose(s)? What changes can be made to improve the quality of coaching? The coach has the responsibility of analysing training sessions. This unit will emphasise critical reflection and the development of skills and innovative techniques for assessing coaching effectiveness.

EDPN5015
Sport and Technology
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** S1 Late Int **Classes:** block mode (6 wks x 4 hrs) **Assessment:** presentation/report (60%) and assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

This unit will deal with the use of technology in sport and introduce students to some of the most applicable coaching tools and technologies. Many new technologies can do what in the past could not be advised, can show you what the human eye cannot see, and in many cases provide support for coaches' intuition. Many of these tools/software programs can be incorporated into everyday training, as well as provide valuable information in preparation for training. Most technologies discussed will be portable or laptop based systems. Examples include game analysis, skill analysis and programming software as well as the use of technology to enhance remote coaching.

EDPN6014
Contemporary Issues in Coaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** S2 Late Int **Classes:** intensive mode over 3 weeks **Assessment:** group work; movie analysis and learning journal **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

This unit discusses contemporary issues pertinent to today's coach. Topics include leadership development, the dilemma of drugs and ergogenic aids, the development of high performance teams and the various roles of a head coach. It is suggested that it is leadership quality that separates the truly gifted coaches from the rest. It is their ability to sell their unique coaching system to their athletes and their ability to impact on training intensity that affects success the most - not just the mastery of the 'X's' and 'O's' of their sport. Relevant issues will be explored throughout this unit.

EDPN6015
Elite Athlete Development
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** S1 Late Int **Classes:** block mode (6 wks x 4 hrs) **Assessment:** case study and project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

This unit is designed to investigate the techniques and procedures involved in athlete development. Speccifically this focuses on identifying talent and appropriate recruitment systems, discussing what makes an athlete successful, and providing for a smooth transition from junior to senior ranks.

EDPN6017
Applying Sport Science to Coaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** S1 Late Int **Classes:** block mode (6 wks x 4 hrs) **Assessment:** oral presentation and report; interpret reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed.

You do not have to be an expert in sport science but an understanding of the fundamentals of sport science will add to the effectiveness of your coaching. The skilled coach is able to take the specialised information from sport science and blend it into a multidisciplinary perspective. The challenge for the coach is to develop an integrated model with the right mix of training activities, techniques and sport science support to optimise performance.

EDPP5002
Enquiry in Teaching and Curriculum

Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Janette Bobis **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** 1000wd critical review (20%); seminar presentation(10%); 4000wd report on research (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Med Ed, PG Coursework Exchange.

This core unit examines research on current teaching and curriculum practices and will consider the implications of such research for teachers, schools and other learning organisations. It will explore and critique various approaches to researching curriculum practice including action research, narrative inquiry, survey and interview study. There will be opportunities for participants to research and report on their own practice.

EDPR5001
University Teaching and Learning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Simon Barrie **Session:** Semester 1 **Classes:** Every fortnight - Fridays 1.30 - 4.30 p.m. See ITL website **Assessment:** Projects and reports, participation and learning journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M Med Ed, M Phil (Education), PG Coursework Exchange.

This unit is one of two first semester units offered as part of a Graduate Certificate in Educational Studies (Higher Education) by the Institute for Teaching and Learning (ITL) through the Faculty of Education and Social Work. (The other first semester unit is EDPR5002 Reflections and Practice in University Teaching and Learning). The graduate certificate is specifically designed for university teachers seeking to develop a scholarly basis for their teaching practice and unit of study participants must be concurrently engaged in some form of university teaching. It aims to provide a broad introduction to teaching and learning in higher education. The unit is based upon a negotiated curriculum which seeks to develop participants' understanding of university teaching, learning, assessment and evaluation processes in the context of their own teaching. It will include an introduction to higher education teaching and learning principles and philosophy and to the components of a university curriculum. Please note that selection criteria may apply. Enquiries should be directed to the Institute for Teaching and Learning, ph. (02) 9351 3725 or e-mail itl@itl.usyd.edu.au. The website address is http://www.itl.usyd.edu.au/itl/Gradcert/

EDPR5002
Reflection & Practice in University T& L
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Professor Keith Trigwell **Session:** Semester 1 **Classes:** Every fortnight, Fridays 1:30-4:30 pm see ITL website **Assessment:** Completion of prior online learning task; atttendance and participation in 3-day program; submission of regular reflections on practice and 500 wd reflective statement; participation in online peer review exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Med Ed, PG Coursework Exchange.

This unit of study introduces university teaching staff to some basic principles in the discipline of higher education, based on current research into students' approaches to learning and the effect on that learning of what teachers do. Participants develop practical skills, carry out online interactions with professional peers, engage in ongoing reflection on their practice and begin to prepare themselves for the second semester units where there is an emphasis on the scholarship of teaching. Learning in this unit takes place parallel to and consistent with participants' learning within the other core unit for semester one, EDPR5001.

EDPR5003
Research Enhanced Teaching and Learning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Angela Brew, Dr Kim McShane **Session:** Semester 2 **Classes:** Every fortnight - Fridays 1:30-4:30 pm check ITL website **Corequisites:** EDPR5011 **Assessment:** Learning journal; teaching philosophy statement; self assessment schedule; required completion of in-class activity and interaction **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Med Ed, PG Coursework Exchange.

This unit aims to enhance your professional practice in relation to teaching and student learning by developing your understanding of the ways in which the practices of scholarly inquiry can inform and enhance it. You will be supported in, and encouraged to, map out a study program suited to your particular needs and context. This unit builds on EDPR5011 Scholarship of University Teaching and Learning, providing opportunities for you to apply the learning in that unit to your own teaching and student learning. The unit will examine issues related to the use of research in teaching; both disciplinary research and research on teaching. It will provide opportunities to deepen your understanding of teaching and learning in higher education and expand the skills you may need to continue to develop as a professional teacher in the higher education context. You are encouraged to complete EDPR5011 in the same semester that you enrol for this unit.

EDPR5011
Scholarship of Uni Teaching and Learning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Angela Brew **Session:** Semester 2 **Classes:** Every fortnight, Fridays 1:30-4:30 pm check ITL website **Prerequisites:** EDPR5001 and EDPR5002 **Assessment:** project; participation; and learning journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M Ed (Res), M Med Ed, M Phil (Education), PG Coursework Exchange.

This unit is one of two, second semester units offered as part of a Graduate Certificate in Educational Studies (Higher Education) by the Institute for Teaching and Learning through the Faculty of Education and Social Work. (The other second semester unit is EDPR5003 Research-enhanced teaching and learning.) The graduate certificate is specifically designed for university teachers seeking to develop a scholarly basis for their teaching practice and course participants must be concurrently engaged in some form of university teaching. The unit builds on and extends the work completed in the first semester, EDPR5001 University Teaching and Learning and EDPR5002 Reflection and Practice in University Teaching and Learning). The unit aims to encourage participants to further reflect on and improve their own teaching based on an understanding of the literature of the discipline of higher education. Participants in the unit will have the opportunity to explore a negotiated topic in higher education related to their professional activities as a university teacher, through a scholarly inquiry group project. The process of inquiry is supported by seminars, mentoring and peer review. Please note that selection criteria may apply.

EDPR6001
Research Higher Degree Supervision
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Angela Brew, Dr Tai Peseta **Session:** Semester 1, Semester 2 **Classes:** web-based independent study with optional face-to-face workshops **Assessment:** independent study and two 3,000wd written submissions **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip Ed Studies, M Ed.

This independent study program is designed to develop your skills as a research supervisor. You will gain most from it if you are actively engaged in the supervision of research students or contemplating being so in the near future. By the end of the unit, you will have reflected on what constitutes a scholarly approach to research supervision and can articulate an educational rationale for your supervision practice. There are seven independent-study modules. Six are built around six significant stages of supervision which

represent the steps a supervisor can be expected to progress through whenever they undertake to supervise a research project or thesis. They have been designed to help you work alone or with colleagues to explore the issues and techniques of postgraduate supervision. The route you choose through the materials is up to you. You may decide to work through the entire process sequentially or jump to those areas that address your most immediate concerns. Throughout the process web-based materials, face-to-face workshops and peer discussion and review will support your learning. When you have completed the six supervision modules you progress to the "Recognition Module". This guides you through the process of developing a case study of your supervision, providing you with feedback along the way.

EDPR6012
Developing Flexible Learning - Higher Ed
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Robert Ellis **Session:** Semester 2 **Classes:** Fridays 9-11 am **Assessment:** project report 1,500wd (35%); reflection report and flexibly-supported learning activities 2,500wd (65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert Med Ed, Grad Dip Ed Studies, Grad Dip Med Ed, M Ed, M L S &T, M Med Ed, PG Coursework Exchange.

This unit of study investigates theoretical and practical issues related to flexible learning environments for higher education. Participants will have the chance to consider their own teaching beliefs in relation to constructivist, socially-based and problem-solving approaches to learning, especially as they relate to technology-supported learning activities. Drawing on recently published and established research into flexibly-supported learning, participants will design, develop and evaluate flexibly-supported learning activities that are relevant to their own teaching and learning contexts. On completion of the unit, participants will be able to apply the knowledge and skills they have learned to new learning contexts.

EDPZ5001
The Researching Professional
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Scanlon **Session:** Semester 1, Semester 2 **Classes:** seminars - first Thursday evening and then Saturdays (dates to be negotiated) **Assessment:** 2 written assessments 3000wd each **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Ed D.

This core unit is designed for EdD candidates in the first stage of coursework to prepare them to situate themselves as researching professionals and at the same time enhance their own professional practice. Students will engage in a critical analysis of their own professional practice and the professional practice of others. Students should develop a critical understanding of what constitutes the professions and professional practice both as a theoretical construct and as situated work. The unit provides students with the opportunity to engage with the research literature and to establish how different researchers approach the study of professional practice. On completion of the unit students should be able to demonstrate an in-depth understanding of the body of knowledge in their area/s of investigation and how this relates to the broader area of professionalism.

EDPZ5002
EdD Thesis Proposal B
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Scanlon, student's supervisor **Session:** Semester 1, Semester 2 **Classes:** regular contact with supervisor, times to be negotiated with supervisor (suggest a minimum 1 hour a fortnight over the semester) **Prerequisites:** EDPZ5003 and EDPZ5001 **Assessment:** 10,000wd proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D.

This unit is designed to support students through the completion and presentation of their formal research proposal. The proposal will build on work commenced in EDPZ5003 EdD Thesis Proposal A and EDPZ5001 The Researching Professional to become a justification for the set of research studies that will form the EdD research. It will be framed theoretically and in relation to professional needs. The aim is to provide structure for the completion of the research proposal within a set time limit.

EDPZ5003
EdD Thesis Proposal A
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Scanlon **Session:** Semester 1, Semester 2 **Classes:** regular contact with supervisor, times to be negotiated with supervisor (suggested a minimum 1 hour per fortnight over the semester) **Prerequisites:** EDPZ5001 **Assessment:** satisfactory progression towards meeting requirements as set by supervisor of a draft of 10,000wd proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D.

This unit is designed to support students through the preparation and presentation of their formal research proposal. The proposal will build on work commenced in EDPZ5001 The Researching Professional.

EDPZ5010
Individual Profession Learning Portfolio
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** Semester 1, Semester 2 **Classes:** independent work; 3 x 2 hr meetings across the semester **Assessment:** professional learning portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education).

This unit of study is designed to enable educators, with the support of a mentor, to document and engage in critical reflection on a particular focus of advanced professional workplace learning. The work of professional educators has changed significantly in recent years and is subject to continuous, and often rapid, change. For many educators participating in significant programs of eductional reform, this involves advanced and extended learning. This unit provides you with the opportunity to develop a professional portfolio where learning can be documented and critically examined. University staff may complete this unit by completing the development program for Research Higher Degree Supervision. No concurrent enrolment with EDPZ6010.

EDPZ5822
Language Skills for English Teachers
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Hui Shen **Session:** Semester 1 **Classes:** 13 wks x 1.5 hrs (lectures) and 13 wks x 1.5 hrs (tutorials) **Assessment:** weekly assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert T E F L, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

This unit is intended to develop all-round language proficiency in English with a focus on those areas of content and use which are particularly relevant to English language teachers. Course content will include: systematic practice in the skills of listening, speaking and writing; vocabulary development; topics in Australian culture; campus familiarisation and library skills and topics in American and British culture.

EDPZ5823
The Systems of English
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Hui Shen **Session:** Semester 1 **Classes:** 13 wks x 1.5 hrs (lectures) and 13 wks x 1.5 hrs (tutorials)

Assessment: weekly assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert T E F L, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

Grammar applies at both the sentence level and where it interfaces with various social coventions to produce discourse. Teachers need both personal command and explicit knowledge of the phonology and grammar of a foreign langage in order to teach it. Course content includes: the phonemes; stress, rhythm and intonation; the structure of the nominal group in English; the structure of the verbal group in English; the process types of English grammar and how they affect sentence structure; cohesion in English text; major conventions of spoken discourse; some common genres of written English.

EDPZ5824
Practice of English Language Teaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Hui Shen **Session:** Semester 1 **Classes:** 13 wks x 1.5 hrs (lectures) and 13 wks x 1.5 hrs (tutorials) **Assessment:** weekly assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert T E F L, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

The aim of this course is to develop participants' skills, not only in teaching English, but in using English as the medium of instruction. Language teachers need to be independent in terms of planning, delivery and evaluation. This course will provide a setting where these things can be developed. It is intended to relate closely to its companion course EDPZ5825 Principles of English Language Teaching. Participants will practice: lesson planning; material selection; language for classroom management; peer teaching; teaching observations and practice teaching.

EDPZ5825
Principles of English Language Teaching
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Hui Shen **Session:** Semester 1 **Classes:** 13 wks x 1.5 hrs (lectures) and 13 wks x 1.5 hrs (tutorials) **Assessment:** weekly assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Cert T E F L, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education), PG Coursework Exchange.

The aim of this unit is to introduce and to make explicit the principles on which communicative, skill, task, and text-based approaches to language teaching are based. It is intended to relate closely to its companion course, EDPZ5824. Course content will focus on: communicative language teaching principles; skill-based language teaching principles; task-based language teaching principles; text-based language teaching principles.

EDPZ6001
Critical Research Literature Analysis
Education and Social Work

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D.

This unit is only on offer for students (if any) who need to repeat the unit. The content will be as in previous years. Details of classes and assessment will be determined in accordance with the requirements of any students who need to repeat the unit.

EDPZ6002
Researching Professional Practice
Education and Social Work

Credit points: 12 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D.

This unit is only on offer for students (if any) who need to repeat the unit. The content will be as in previous years. Details of classes and assessment will be determined in accordance with the requirements of any students who need to repeat the unit.

EDPZ6003
Understanding Professional Practice
Education and Social Work

Credit points: 12 **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D.

This unit is only on offer for students (if any) who need to repeat the unit. The content will be as in previous years. Details of classes and assessment will be determined in accordance with the requirements of any students who need to repeat the unit.

EDPZ6004
Educational Doctorate Thesis Proposal
Education and Social Work

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D.

This unit is only on offer for students (if any) who need to repeat the unit. The content will be as in previous years. Details of classes and assessment will be determined in accordance with the requirements of any students who need to repeat the unit.

EDPZ6010
Prof Learning Leadership Portfolio
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** Semester 1, Semester 2 **Classes:** independent work; 3 x 2 hr meetings across the semester **Assessment:** professional learning portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education).

This unit is designed to enable educators, with the support of a mentor, to document and engage in critical reflection on professional workplace learning, differing from its companion unit EDPZ5010, due to the focus on leadership and your professional role in working with colleagues' professional development. For many educators participating in significant programs of educational reform, this involves advanced and extended learning. This unit provides you with the opportunity to develop an independent leadership for learning portfolio where your learning and the learning of colleagues can be documented and critically examined. No concurrent enrolment with EDPZ5010.

EDPZ6720
Dissertation
Education and Social Work

Credit points: 12 **Teacher/Coordinator:** Dr Jennifer Way **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** a proposal for dissertation form has to be lodged with the faculty office and topic approved prior to enrolling in the unit, student will meet with supervisor several times **Prerequisites:** must lodge proposal for dissertation and have it approved **Assessment:** 1x12,000wd report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Ed D, Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education).

The Dissertation is a piece of academic writing of approximately 12,000 words and represents a substantial original work. The Dissertation serves two different purposes in a student's progress through a Masters degree program, being a way for a student to study an area of interest in depth, or as a path to further research. Students seeking progress into a research higher degree, such as a doctoral program,

are required to complete an empirical study, drawing on primary data. Note that for direct entry into a doctoral degree, an average of at least 80% across the Masters degree is needed. Students not intending to progress to a higher research degree may choose from a range of types of study. The Dissertation must incorporate an appropriate form of critical analysis and have as its basis a clearly structured conceptual framework. It is recommended that students complete a Research Method unit of study prior to undertaking the Dissertaion, which will support the proposal development. The Dissertation can either be completed within one semester (EDPZ6720) or over two semesters (EDPZ6724 and EDPZ6725).

EDPZ6724
Dissertation Part 1
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Way **Session:** Semester 1, Semester 2 **Classes:** several meetings/discussions with supervisor **Prerequisites:** A brief research proposal is required for entry into this unit of study **Assessment:** satisfactory progress within the first part of the dissertation, students then must enrol in EDPZ6725 Dissertation Part 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education).

The Dissertation is a piece of academic writing of approximately 12,000 words and represents a substantial original work. The Dissertation serves two different purposes in a student's progress through a Masters degree program, being a way for a student to study an area of interest in depth, or as a path to further research. Students seeking progress into a research higher degree, such as a doctoral program, are required to complete an empirical study, drawing on primary data. Note that for direct entry into a doctoral degree, an average of at least 80% across the Masters degree is needed. Students not intending to progress to a higher research degree may choose from a range of types of study. The Dissertation must incorporate an appropriate form of critical analysis and have as its basis a clearly structured conceptual framework. It is recommended that students complete a Research Methods unit of study prior to undertaking the Dissertation, which will support the proposal development. The Dissertation can be completed in either one semester (EDPZ6720) or spread over two semesters (by enrolling in EDPZ6724 followed by EDPZ6725).

EDPZ6725
Dissertation Part 2
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Jenni Way **Session:** Semester 1, Semester 2 **Classes:** students will consult/meet with supervisor several times **Prerequisites:** EDPZ6724 **Assessment:** 1x12,000wd report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M L S &T, M Phil (Education).

The Dissertation is a piece of academic writing of approximately 12,000 words and represents a substantial original work. The Dissertation serves two different purposes in a student's progress through a Masters degree program, being a way for a student to study an area of interest in depth, or as a path to further research. Students seeking progress into a research higher degree, such as a doctoral program, are required to complete an empirical study, drawing on primary data. Note that for direct entry into a doctoral degree, an average of at least 80% across the Masters degree is needed. Students not intending to progress to a higher research degree may choose from a range of types of study. The Dissertation must incorporate an appropriate form of critical analysis and have as its basis a clearly structured conceptual framework. It is recommended that students complete a Research Methods unit of study prior to undertaking the Dissertation, which will support the proposal development. The Dissertation can either be completed within one semester (EDPZ6720) or over two semester (by enrolling in EDPZ6724 followed by EDPZ6725).

EDPZ6726
Thesis and Dissertation Writing
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lindy Woodrow **Session:** Semester 1, Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** write a section of their dissertation/thesis (2500-3000wds) and an oral presentation based on a context analysis of their dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: D S W, Ed D, M Ed, M Ed (Res), M Phil (Education), M Phil S W, Ph D.

This unit is designed for students engaged in postgraduate research who need to write a research thesis. It is relevant to Master's and Doctoral students across the University who are engaged in writing a dissertation/thesis. Students will learn how to write and structure a thesis. They will focus on the appropriate style of thesis writing, how to organise their writing and analyse the expectations of theses according to their disciplines. Students need permission from course corodinator to enrol in this unit. This unit is not available to students who have already completed EDPJ5024 English in Academic Settings.

EDPZ6730
Special Project 1
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Jenni Way **Session:** Semester 1, Semester 2 **Classes:** students to consult/meet with supervisor on several occasions **Prerequisites:** submit a one page proposal to the Faculty and have it approved by the Postgraduate Coursework Coordinator prior to enrolment. **Assessment:** 1x6,000wd report or equivalent **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Approval is contingent upon a staff member with relevant interests being available to supervise the proposed project.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education).

Special Project is a semester length independent investigation of a personally chosen topic in an educational context, the result of which is a 'product' such as a written report, review, account of the development of a resource, analysis of action or critique of research. All 'products' should be demonstrably informed by relevant theory and research. The satisfactory completion of this unit provides an alternative to the regular face-to-face classroom unit of study for candidates enrolled in a graduate coursework award. Candidates may choose to enrol in a maximum of two such units to be counted towards their coursework award.

EDPZ6731
Special Project 2
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Jenni Way **Session:** Semester 1, Semester 2 **Classes:** student needs to meet/consult with supervisor seveal times **Prerequisites:** submit propsal and have it approved prior to enrolment **Assessment:** 1x6,000wd report or equivalent **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Approval is contingent upon a staff member with relevant interests being available to supervise the proposed project.

Associated degrees: Grad Cert Ed Studies, Grad Dip Ed Studies, M Ed, M Ed (Res), M Phil (Education).

Special Project is a semester length independent investigation of a personally chosen topic in an educational context, the result of which is a 'product' such as a written report, review, account of the development of a resource, analysis of action or critique of research All 'products' should be demonstrably informed by relevant theory and research. The satisfactory completion of this unit provides an alternative to the regular face-to-face classroom unit of study for candidates enrolled in a graduate coursework award. Candidates may choose to enrol in a maximum of two such units to be counted towards their coursework award.

ELEC5101
Antennas and Propagation

Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and 3 hours laboratory each week. **Prohibitions:** ELEC5522 Antennas and Propagation. **Assumed knowledge:** (MATH2001 Complex Variables or MATH2061 Linear Algebra and Vector Calculus) and (ELEC3102 Engineering Electromagnetics or ELEC3104 Engineering Electromagnetics). Prohibition: ELEC5522 Antennas and Propagation. **Assessment:** Assignments 30%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, M E S, M E S (Wireless Eng), UG Study Abroad Program.

The first part of the unit describes the theory of radiation from elementary current sources, wires and arrays and introduces antenna terminology and characteristics such as radiation patterns, directivity, polarization and gain. The properties of receiving and transmitting antennas in a communications link are also described.

The second part of the unit describes three significant areas in antenna practice. (1) Numerical analysis of wire antennas; an introduction to the computer aided design of wire antennas and arrays. (2) Aperture antennas; an introduction to horn and reflector antennas and their applications. (3) Microstrip antennas; an introduction to modern printed circuit antennas and arrays and their applications.

The third part of the unit describes signal processing for multi-antenna arrays. Topics include Space-time coding, Multi-input Multi-output (MIMO) capacity, MIMO transmission, and the effects of antenna correlation.

ELEC5303
Computer Control System Design
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and 2 hours laboratory/tutorial per week. **Prohibitions:** ELEC4301 Computer Controlled System Design. **Assessment:** Weekly quiz 10%, lab exam 10%, mid semester exam 25%, end of semester exam 55%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: B E, Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M Inf Tech, UG Study Abroad Program.

This unit aims to teach the basic issues involved in the analysis and design of computer-controlled systems. The emphasis is on theory rather than technological application or industrial practice.

However, students are expected to test some of these ideas on a few benchmark control problems in the laboratory. Completion of the unit will facilitate progression to advanced study in the area and to work in industrial control. This unit assumes a basic knowledge of calculus, functions of real variables, Laplace transform, matrix theory and control theory.

The following topics are covered. Sampled data systems: aliasing. Zero order hold equivalent: inverse of sampling, sampling system with time delay. Properties of difference equations: solution, stability, change of co-ordinates, Z transform. Input output models: pulse response, pulse transfer operator, pulse transfer function, interpretation of poles and zeros.

Analysis of discrete time system: stability (Jury's test, Nyquist criterion, Lyapunov method), sensitivity and robustness, observability (observers, reduced order observers), reachability and controllers, loss of reachability/observability through sampling, output feedback, the Separation theorem. Optimal control: Kalman filter, linear quadratic regulator, output feedback, the Separation theorem.

Approximating continuous time controllers. Finite word length mplementations.

ELEC5402
Digital Integrated Circuit Design
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and 2 hours laboratory per week. **Prohibitions:** ELEC4402 Integrated Circuit Design. **Assumed knowledge:** (ELEC3401 Electronic Devices and Circuits or ELEC3404 Electronic Circuit Design), and (ELEC2601 Microcomputer Systems or ELEC3607 Embedded Computing). **Assessment:** Laboratory work 75%, end of semester exam 25%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert I T, Grad Dip I T, M E S, M Inf Tech, UG Study Abroad Program.

This unit of study explores CMOS technology and integrated circuit design and fabrication. The fundamental theory and techniques behind digital integrated circuit design are introduced. A primary focus of this unit is providing the student with practical laboratory design experience using a professional VLSI CAD tool to design digital integrated circuits. This unit provides a foundation for more advanced digital integrated circuit design techniques and also analogue integrated circuit design.

Topics covered in this unit are: IC manufacturing process and CMOS technology, CMOS static logic design, CMOS dynamic logic design, arithmetic building block design, sequential logic design, VLSI interconnection and wiring issues, timing issues, digital memory design, digital system design methodologies.

ELEC5403
Radio Frequency Engineering
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 1 hour laboratory/tutorial per week. **Prohibitions:** ELEC5521 Radio Frequency Engineering. **Assessment:** Assignments 30%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, M E S, M E S (Wireless Eng), UG Study Abroad Program.

This unit of study builds upon earlier work and provides an introduction to radio frequency components and systems used in wireless and satellite communications as well as in other high frequency applications. It assumes some knowledge of: basic circuit analysis; semiconductor device models and behaviour; transistor operation as switches and amplifiers; transistor operation as current sources and current mirrors; differential amplifiers.

The following topics are covered: RF circuit element models, high-frequency effects and biasing in active devices, transmission lines and the Smith Chart, RF system characteristics, RF amplifiers, oscillators, mixers, power amplifiers, microwave measurements.

ELEC5507
Error Control Coding
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 1 hour tutorial per week. **Prohibitions:** ELEC4503 Error Control Coding. **Assessment:** Quizzes 30%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert I T, Grad Dip I T, M E S, M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

This unit deals with the principles of error control coding techniques and their applications in various communication and data storage systems. Its aim is to present the fundamentals of error control coding techniques and develop theoretical and practical skills in the design of error control encoders/decoders. Successful completion of this unit will facilitate progression to advanced study or to work in the fields of telecommunications and computer engineering. It is assumed that the students have some background in communications principles and probability theory.

The following topics are covered. Introduction to error control coding, linear algebra. Linear block codes, cyclic codes, BCH codes, Reed-Solomon codes, burst-error correcting codes, design of codecs for block codes, applications of block codes in communications and digital recording. Convolutional codes, Viterbi algorithm, design of codecs for convolutional codes, applications of convolutional codes in communications, soft decision decoding of block and convolutional codes, trellis coded modulation, block coded modulation, design of codecs for trellis codes, applications of trellis codes in data transmission. Turbo codes and applications to space and mobile communications.

ELEC5508
Wireless Engineering

Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 1 hour tutorial per week. **Prohibitions:** ELEC5504 Cellular Radio Engineering, ELEC4504 Wireless Networks. **Assumed knowledge:** (ELEC3503 Introduction to Digital Communications or ELEC3505 Communications) and (ELEC3504 Data Communications and the Internet or ELEC3506 Data Communications and the Internet or NETS2150 Fundamentals of Networking). **Assessment:** Assignment 30%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B E, B I T, B I T (Hons), Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

This unit will introduce the key ideas in modern wireless telecommunications networks. It will address both physical layer issues such as propagation and modulation, plus network layer issues such as capacity, radio resource management and mobility management issues.

The following topics are covered. Mobile radio channel: Multipath fading, diversity, log-normal fading, mean propagation loss, propagation models. Cellular technologies: Cell types, coverage, frequency reuse, spectral efficiency, link budget, power budget, traffic capacity. Omnidirectional and sectorised antennas. Handover, interaction with the fixed network. Microcells and macrocells, Medium access control: Near-far effect and the hidden terminal problem. Multiple access schemes: FDMA, TDMA, CDMA. Aloha and s-Aloha, carrier sense multiple access, reservation-based MAC schemes, polling, spread-aloha multiple access. GSM: System architecture, radio resource management, mobility management, connection management.

Third generation systems: WCDMA and cdma2000. Wireless LANs: IEEE802.11, Hiperlan, Bluetooth. Convergence: GSM evolution to data services via GPRS and EDGE. Issues with TCP over wireless. Mobility management in MobileIP.

ELEC5509
Mobile Networks
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lecture and a 2 hour tutorial per week. **Prohibitions:** ELEC5501 Advanced Communication Networks. **Assumed knowledge:** ELEC3504 Data Communications and the Internet or ELEC3506 Data Communications and the Internet or NETS3007 Network Protocols. **Assessment:** Report and seminar 25%, end of semester exam 75%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B E, B I T, B I T (Hons), Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

This unit of study serves as an introduction to communications network research. The unit relies on a solid understanding of data communications and mobile networks. It introduces some of the currently most debated research topics in mobile networking and presents an overview of different technical solutions. Students are expected to critically evaluate these solutions in their context and produce an objective analysis of the advantages/disadvantages of the different research proposals. The general areas covered are wireless Internet, mobility management, quality of service in mobile and IP networks, ad hoc networks, and cellular network architectures.

The following topics are covered. Introduction to wireless and mobile Internet. Wireless cellular data networks. Cellular mobile networks. Mobile networks of the future. Quality of service in a mobile environment. Traffic modelling for wireless Internet. Traffic management for wireless Internet. Mobility management in mobile networks. Transport protocols for mobile networks. Internet protocols for mobile networks.

ELEC5510
Satellite Communication Systems
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 1 hour tutorial per week. **Prohibitions:** ELEC5502 Satellite Communications Systems. **Assumed knowledge:** ELEC3505 Communications (or ELEC3503 Introduction to Digital Communications) and ELEC4505 Digital Communication Systems (or ELEC4502 Digital Communication Systems). **Assessment:** Tutorial attendance 5%, group project 25%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert I T, Grad Dip I T, M E S, M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

Satellite communication systems provide fixed and mobile communication services over very large areas of land, sea and air. This unit presents the fundamental knowledge and skills in the analysis and design of such systems. It introduces students to the broad spectrum of satellite communications and its position in the entire telecommunications network; helps students to develop awareness of the key factors affecting a good satellite communications system and theoretical and practical skills in the design of a satellite communications link.

Topic areas include: satellite communication link design; propagation effects and their impact on satellite performance; satellite antennas; digital modem design, speech codec design; error control for digital satellite links.

ELEC5511
Optical Communication Systems
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and 2 hours laboratory/tutorial per week. **Prohibitions:** ELEC5503 Optical Communication Systems. **Assumed knowledge:** (ELEC3503 Introduction to Digital Communications or ELEC3505 Communications) and (ELEC3402 Communications Electronics or ELEC3405 Communications Electronics and Photonics). **Assessment:** Assignments and labs 25%, end of semester exam 75%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

IIntroduction to optical fibre communications. Optical fibre transmission characteristics; fibre modes, multi-mode fibres, single-mode fibres, dispersion, loss. Semiconductor and fibre laser signal sources; dynamic laser models, switching, chirp, noise, optical transmitters. Optical modulation techniques. Optical amplifiers and repeaters, noise characteristics. Fibre devices, gratings, multiplexers. Optical detectors, shot noise and avalanche noise. Optical receiver and regenerator structures; sensitivity and error rate performance. Photonic switching and processing. Optical local area networks. Multi-channel multiplexing techniques. Design of optical fibre communication systems.

ELEC5512
Optical Networks
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and 1 hour laboratory/tutorial per week. **Prohibitions:** ELEC5506 Optical Networks. **Assumed knowledge:** ELEC3503 Introduction to Digital Communications or ELEC3505 Communications. **Assessment:** Two assignments totalling 20%, end of semester exam 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

Introduction, photonic network architectures: point to point, star, ring, mesh; system principles: modulation formats, link budgets, optical signal to noise ratio, dispersion, error rates, optical gain and regeneration; wavelength division multiplexed networks; WDM components: optical filters, gratings, multiplexers, demultiplexers, wavelength routers, optical crossconnects, wavelength converters, WDM transmitters and receivers; Wavelength switched/routed networks, ultra high speed TDM, dispersion managed links, soliton systems; broadcast and distribution networks, multiple access, subcarrier multiplexed lightwave video networks, optical local area and metropolitan area networks; protocols for photonic networks: IP, Gbit Ethernet, SDH/SONET, FDDI, ATM, Fibre Channel.

ELEC5614
Real Time Computing
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures, 2 hours of laboratory and 1 hour tutorial per week. **Prohibitions:** ELEC4602 Real Time Computing. **Assumed knowledge:** SOFT2130 Software Construction (or

SOFT2004 Software Development Methods 1) and ELEC3607 Embedded Computing (or ELEC2601 Microprocessor Systems). **Assessment:** Project and laboratory 25%, end of semester exam 75%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B E, B I T, B I T (Hons), Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M Inf Tech, UG Study Abroad Program.

This unit is concerned with the theory and practice of real time computer systems as applied to the design of embedded systems and computer control systems in engineering, manufacturing and automation. Some background in programming, object oriented design and system architecture is assumed. A prime aim of this unit of study is to develop a capacity for research and inquiry in the field of real-time and embedded systems. Completion of this unit will facilitate progression to advanced study or to work in embedded systems and industrial real-time computer systems.

The following topics are covered. Hard real time and embedded systems, as applied to engineering, manufacturing and automation. Timing and scheduling: periodic vs aperiodic processes, deadlines, rate monotonic, deadline monotonic and earliest deadline scheduling. Management of shared resources. Real-time languages and their features. Real time operating systems. Real time software design. Embedded Systems: overview, signal flow, interfacing. Reliability and fault tolerance in hardware and software. SCADA and DCCS. Some case studies.

ELEC5616
Computer and Network Security
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and 2 hours laboratory/tutorial per week. **Prohibitions:** ELEC5611 Computer and Network Security, NETS3016 Computer and Network Security, NETS3916 Computer and Network Security (Adv). **Assumed knowledge:** ELEC3607 Embedded Computing (or ELEC2601 Microprocesor Systems) or ELEC3506 Data Communications and the Internet (or ELEC3504 Data Communications and the Internet) or EBUS3004 E-Business Programming (or EBUS3002 E-Commerce Website Programming). **Assessment:** Laboratory 20%, tutorial 5%, project 15%, end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B E, B I T, B I T (Hons), Grad Cert I T, Grad Dip I T, M E S, M E S (Net Eng), M E S (Wireless Eng), M Inf Tech, UG Study Abroad Program.

This unit examines the basic cryptographic building blocks of security, working through to their applications in authentication, key exchange, secret and public key encryption, digital signatures, protocols and systems. It then considers these applications in the real world, including models for integrity, authentication, electronic cash, viruses, firewalls, electronic voting, risk assessment, secure web browsers and electronic warfare. Practical cryptosystems are analysed with regard to the assumptions with which they were designed, their limitations, failure modes and ultimately why most end up broken.

ELEC5701
Commercial Engineering Practice
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and 1 hour visiting professional or team-based interaction exercise per week. **Prohibitions:** ENGG4003 Commercial Engineering Practice. **Assessment:** Individual assignments 15%, group assignments 25%, end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B E, M E S, UG Study Abroad Program.

This unit of study prepares graduating students for the professional engineering workplace by developing awareness of the obligations, expectations and performance expected of a new graduate employee. It does this through exposure to the key aspects of the work environment and through focus on skills and knowledge which will enhance their performance and value to the employer. The unit assumes a knowledge of general engineering technology.

The following topics are covered. The commercial working environment. Managing and being managed. Workplace, workforce and commercial ethics. What the Marketing Department wants. What the Production Department wants. Communication: language and form. Conflict resolution and working relationships. Time management. Report writing and documentation. Project planning and resource management. Budgets and costings. Intellectual property: inventions, patents and copyright. Legal issues, employment contracts, technology contracts.

ELEC8900
Project, Full-Time
Engineering and Information Technologies

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M Inf Tech.

The carrying out and writing up of an approved significant project equivalent to about four months full-time work in a topic preferably related to their course-work enrolment. It can be part of the candidate's normal employment. As a guide, a project topic is likely to be satisfactory if a successful outcome of the work is such that it would lend itself to publication in a learned journal such as the Journal of the Institution of Engineers, Australia. The project may be carried out full-time over one semester or part-time over two semesters (part A followed by part B).

ELEC8901
Project Part-Time Part A
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M Inf Tech.

The carrying out and writing up of an approved significant project equivalent to about four months full-time work in a topic preferably related to their coursework enrolment. It can be part of the candidate's normal employment. As a guide, a project topic is likely to be satisfactory if a successful outcome of the work is such that it would lend itself to publication in a learned journal such as the Journal of the Institution of Engineers, Australia. The project may be carried out full-time over one semester or part-time over two semesters.

ELEC8902
Project Part-Time Part B
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ELEC8901 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M Inf Tech.

The carrying out and writing up of an approved significant project equivalent to about four months full-time work in a topic preferably related to their coursework enrolment. It can be part of the candidate's normal employment. As a guide, a project topic is likely to be satisfactory if a successful outcome of the work is such that it would lend itself to publication in a learned journal such as the Journal of the Institution of Engineers, Australia. The project may be carried out full time over one semester or part-time over two semesters.

ENGG5000
Guide to PG Study in Engineering
Engineering and Information Technologies

Credit points: 2 **Teacher/Coordinator:** Dr Dong-Sheng Jeng, School of Civil Engineering Email: d.jeng@civil.usyd.edu.au **Session:** Semester 1 **Classes:** One Day Intensive Workshop During Non-Teaching Break in Semester One **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is compulsory for all new MER and PhD students enrolled in the Faculty of Engineering.

Associated degrees: M E (Res), Ph D.

Objectives: New research students often have experienced a myriad of different training and brought to their research prior approaches that may not be effective or efficient. They often have difficulties in organising and planning their research proficiently due to the lack of understanding of the philosophy and management of scientific research, particularly in their first year of study. Many do not know

how to develop their full potential and maximise their creativity. There are also many critical issues on plagiarism, professional ethics, ownership of intellectual properties and patents, research techniques, technical presentations, and time management, etc. This unit of study is specifically designed to address these problems by integrating with case examples.

Outcomes: Students will understand what is "research" and thereby improve their ability, creativity, capacity and quality of research. It is expected to achieve a better research outcome and a higher completion rate.

Syllabus Summary:

-Preparation for scientific research (including starting your research, effect of your discipline development and related areas, selective and effective ways of reading technical papers - the pyramidal approach and the art of discrimination, sequence in research - from beginning to end, why research - a joyous journey to curiosity or nowhere?)

-Attitude to research. (Conduct of accurate and effective experiments; sound research planning and sophisticated methodology; and thorough developments of theories and models consistent with observations and data assessments).

-Avoid pedestrian and misleading 'investigations'

-Chance of discoveries

-Hypotheses and theories in scientific investigations

-Intuition and risk

-Inspiration, aspiration and perspiration

-Planning, strategy and methodology - efficient management of research and global networking

-Exploration of new research directions and frontiers - expanding your horizons

-Scientific writing and communicating your research results

-Ethics and integrity, plagiarism and fraud - case studies

-Intellectual property - Who owns what?

-Issues and policies on publications - why publish, authorship and honour authorship, awareness of conflict with patent applications

-What makes a great researcher? (Effect and quality requirement of personality).

-Learning from distinguished researchers - their personal reflections or personal experience.

ENGG5001
Professional Development
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Ron Johnston, ACIIC rj@aciic.org.au **Session:** Semester 1 **Classes:** lectures, tutorials and workshops (2 hours per week), offered in Semester 1 (may be taught as an intensive format if appropriate) **Assessment:** Essay, presentation, participation in group project, project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S, M E S (Sust Process).

Objectives: To provide:

-an introduction to the various elements of engineering practice

-an understanding of the role of the engineer in industry

-basic knowledge of the law of contracts and legal responsibility

-teamwork and leadership skills

-an understanding of professional responsibilities of engineers

-competence in verbal communication and presentations

-competence in reading and writing reports

-an understanding of ethical considerations.

Outcomes: Students will have a working competence in the various elements of engineering practice, and enhanced communication skills that will assist them in their other technical courses.

Syllabus Summary:

-Some Heroic Engineers

-The various roles of engineers

-Professional and legal responsibilities

-Teamwork

-Leadership

-Creativity

-Effective verbal communication

-Effective written communication

-Ethical issues

-Engineering case studies - successes and disasters

-Management of risk

Textbooks
To be nominated by the lecturers.

ENGG5601
Greenhouse Gas Mitigation
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** A/Professor Ian Jones I.Jones@civil.usyd.edu.au **Session:** Semester 2 **Classes:** 2 hour lecture and a tutorial each week. Offered every year **Assessment:** Assignments and final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Unit Administration: Web CT

Associated degrees: Grad Cert App Sc (Enviro Sci), Grad Cert G G M, M E S.

Graduate unit of study designed for environmental engineering students, either M.E.S. or Grad. Cert. of GHG Mitigation

Keywords:Greenhouse science, energy efficiency, carbon sinks, climate change amelioration

Objectives:To develop an understanding of, the significance of carbon dioxide in climate; the role of increasing fossil fuel energy conversion efficiency; the international framework for carbon sinks; the size, cost, potential and nature of terrestrial and oceanic sinks of carbon; the amelioration of the impacts of climate change.

Outcomes:Students will be able to make recommendations of the most cost effective approach to enterprises meeting carbon dioxide limits expected to be imposed as a result of the Kyoto Protocol.

Textbooks
P. Riemer, A. Smith, K. Thambimuthu (1998). Greenhouse Gas Mitigation, Elsevier, Amsterdam. pp777.

ENGG5610
Environmental Studies at Tokyo
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1 **Assessment:** Presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert G G M, M E S.

A graduate unit of study designed for environmental engineering students, either M.E.S. or Grad. Cert. of GHG Mitigation.

Keywords: Global environments, environmental technology, policy making.

Objectives: To make students familiar with environmental technology policy making, environmental engineering and energy engineering, and the planning of environmentally harmonising systems.

Outcomes: Students will be able to systematically discuss:

- Current topics concerning global environmental and energy issues;

- How to make world and national policy;

- Environmental technologies and their role in policy;

- Advanced environmental research;

and be able to produce a plan harmonising the conflicting requirements such as protection of the environment and development.

ENGL6027
M Litt Treatise Part 1
Arts

Credit points: 12 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a 25,000 word treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Candidates undertake research and writing towards a treatise on an approved topic in English or Creative Writing, under the supervision of a member of the academic staff. Permission required from the postgraduate coordinator. Available to Master of Letters candidates only.

ENGL6028
M Litt Treatise Part 2
Arts

Credit points: 12 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Prerequisites:** ENGL6027 **Assessment:** Completion and submission of a 25,000 word treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Candidates complete the research and writing of a treatise in English or Creative Writing on an approved topic, under the supervision of a member of the academic staff. Permission required from the postgraduate coordinator. Available to Master of Letters candidates only.

ENGL6901
Creative Writing: Fiction Workshop
Arts

Credit points: 6 **Teacher/Coordinator:** Ms Sue Woolfe (co-ordinator) **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Assessment: Original written work due at mid and end of semester, totalling 6,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

Students are required to produce written, fictional work throughout the unit for discussion in class.

ENGL6902
Creative Writing: Poetry Workshop
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Beveridge **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1) a portfolio of 10-12 poems (including drafts) either written from the suggested writing exercises or developed independently (60%) 2) 10 small weekly writing tasks (20%) 3) Reading, attendance, participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

This is a workshop course in writing poetry conducted by a distinguished poet. Students are required to produce their own works throughout the course, and these works will provide the basis for constructive discussion aimed at developing different methods of writing.

ENGL6903
Creative Writing: Scriptwriting Workshop
Arts

Credit points: 6 **Teacher/Coordinator:** Co-ordinator: Ms Sue Woolfe, conducted by Anne Brooksbank **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Original written work by the end of the semester, totalling 6,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert F S, Grad Dip Arts, Grad Dip C W, M A, M C W, M F D I, M Litt, PG Coursework Exchange.

This is a unit in writing film, television and/or theatre scripts taught by an established script writer. Students are required to produce their own work or works throughout the programme. These works will provide the basis for discussion in class.

ENGL6904
Creative Writing: Advanced Novel
Arts

Credit points: 6 **Teacher/Coordinator:** Coordinator and teacher: Ms Sue Woolfe **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Original written work due at mid and end of semester, totalling 6,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Dip Arts, Grad Dip C W, M A, M C W.

Applicants should first consult Sue Woolfe before obtaining permission to enrol in this unit from the English Postgraduate Coordinator. All applicants must already be working on a draft of at least 50,000 words. As this is a unit on structuring a fictional manuscript, the 50,000 words may be a compilation of apparently disconnected fragments.

ENGL6905
Advanced Poetry Workshop
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Beveridge **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ENGL6902 Poetry Workshop **Assessment:** Students will be required to submit a body of work which demonstrates effort and achievement equivalent to written work required in other postgraduate units of study: 10 -12 poems plus drafts (60%); six writing assessment tasks; 600 word essay on a poet of their own choosing; reading, attendance, participation (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

This will be an intensive poetry workshopping program for gifted students from the existing Poetry Workshop (ENGL6902), conducted by a distinguished poet. Students will be required to produce their own works throughout the course and to submit them for peer-group discussion and continuing constructive assessment by the course presenter.

ENGL6907
Essay (English)
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Assessment:** 6,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Dip Arts, Grad Dip C W, M A, M C W.

Essay on an approved topic. Permission required from the postgraduate coordinator.

ENGL6908
Creative Writing: Supervised Project
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Classes:** Individual supervision of approved students **Prerequisites:** At least two dedicated postgraduate units of study in the Creative Writing program. **Prohibitions:** Unless special permission is granted by the department, not to be taken with or after ENGL6907, ENGL6935, ENGL6929 or ENGL6930 if these units have served/are serving for the submission of Creative Writing projects. **Assessment:** Students will be required to submit a body of work which demonstrates effort and achievement equivalent to written work submitted in other postgraduate units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt.

This unit will enable approved candidates to pursue an extended creative project under the supervision of an established author, poet, script- or childrens-writer. Students will be expected to discuss and plan the project with their supervisor, then submit drafted material to an agreed timetable, and to discuss this drafted material with their supervisor before submitting a revised final draft.

ENGL6910
Children's Writing Workshop: Advanced

Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per wk **Prerequisites:** ENGL6959 **Assessment:** Original written work due mid and end of semester, totalling 6000 words. Students are required to produce work throughout the unit for discussion in class. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

This unit provides an opportunity for students who have already shown particular promise in ENGL6959, Children's Writing Workshop, to take their writing further. The class will be conducted by a distinguished children's writer. Students will be required to produce their own original children's stories.

ENGL6912
Issues in Mass Communication
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Shaw **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Journal 40% and two 1500 word essay 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert E L A, Grad Cert Lib Stud, Grad Cert Media Prac, Grad Cert P C, Grad Cert Pub, Grad Dip Arts, Grad Dip Media Prac, Grad Dip P A, Grad Dip P C, Grad Dip Stat Pr, M A, M Litt, M Media Prac, M P Admin, M P C, M Strat P R, PG Coursewor.

The aim of this unit is to introduce students to the main issues in contemporary mass communication studies. These include theories of communication and mass audiences, the role of media institutions in determining genres and content, and the study of media discourses. No previous knowledge of mass communication theory is assumed, and the unit is suitable both for those currently working in the media and those who would like to learn more about their own practices of reading media texts.

ENGL6915
Recovering Meaning: Novel into Film
Arts

Credit points: 6 **Teacher/Coordinator:** Dr David Kelly **Session:** Semester 2 **Classes:** 2 hr seminar per week **Assessment:** 4,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert F S, Grad Dip Arts, M A, M F D I, M Litt, PG Coursework Exchange.

This course is designed to explore the issues surrounding the cinematic adaptation of major literary works. Is the adapted text merely secondary and derivative, or does it have its own aesthetic authenticity? Should literary aesthetics supervise cinematic texts, or should the filmmaker's first priority be the quality and aesthetic integrity of the film itself? What is a "good" and a "bad" adaptation - or do these categories no longer matter?

ENGL6929
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a 12,000 word dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip P C, M A, M C W, M P C.

Research and writing towards a 12,000 word dissertation. Candidates must formulate a topic and seek permission for enrolment from the postgraduate coordinator. Approval is subject to availability of appropriate supervision by an academic staff member. Must be followed by enrolment in ENGL6930.

ENGL6930
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Prerequisites:** ENGL6929 **Assessment:** Completion and submission of a 12,000 word dissertation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip P C, M A, M C W, M P C.

Completion and submission of a 12,000 word dissertation. Candidates must formulate a topic and seek permission for enrolment in the preceding unit, ENGL6929, from the postgraduate coordinator. Approval is subject to availability of appropriate supervision by an academic staff member.

ENGL6935
Research Essay
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Assessment:** 6,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert P C, Grad Dip Arts, Grad Dip P C, M A.

Research essay on an approved topic. Permission required from the postgraduate coordinator.

ENGL6936
Writers at Work: Fiction
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5,000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Pub, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

Four major contemporary Australian writers of fiction (to be announced) take participants through the process of composition of their recent works, sharing their techniques and their philosophies of writing.

ENGL6937
Major Movements in Contemporary Prose
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4,000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Pub, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

This unit introduces students to the rationale, principles and techniques of a selection of four major movements in contemporary prose (largely but not exclusively fiction), the particular movements in any one semester being dependent upon the expertise of the staff available. Sample components: the postmodern novel; ecritures feminines; magic realism; metafiction; contemporary realism; narrative non-fiction; ficto-criticism; the feminist detective; contemporary Australians; cyberfiction. Each movement is taught by way of two exemplary texts, one Australian and one drawn from other writing in the English language.

ENGL6940
English Exchange 1
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Litt.

ENGL6941
English Exchange 2
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Litt.

ENGL6942
English Exchange 3
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M A, M Litt.

ENGL6943
English Exchange 4
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M A, M Litt.

ENGL6944
Writers at Work: Poetry
Arts

Credit points: 6 **Teacher/Coordinator:** Dr David G Brooks **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

Four major contemporary Australian writers of poetry (to be announced) take participants through the process of composition of their recent works, sharing their techniques and their philosophies of writing.

ENGL6945
Major Movements in Contemporary Poetry
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

This course introduces students to the rationale, principles and techniques of a selection of four major movements in contemporary poetry. The particular movements introduced in any one year may be determined by the expertise of staff available. Each movement is taught by way of two exemplary texts, one Australian and one drawn from other writing in the English language.

ENGL6946
Communication in Professional Contexts A
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Shaw **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Class contribution, two writing tasks, text analysis totalling 5000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert D C C, Grad Cert E L A, Grad Cert Lib Stud, Grad Cert Media Prac, Grad Cert Medical Hum, Grad Cert P C, Grad Cert Pub, Grad Dip Arts, Grad Dip Media Prac, Grad Dip P A, Grad Dip P C, Grad Dip Stat Pr, M A, M Litt, M Media Prac, M.

The aim of this unit is to introduce students to different communication models and to the specific features involved in communicative processes. Students develop skills in the analysis of structures of written language as well as an awareness of language variation relative to professional contexts. In this unit students examine and produce a number of real workplace texts. Topics include written workplace genres, managing the relationship between writer and reader, negotiating action, building texts and representing the world of work.

Textbooks
Course Reader

ENGL6948
American Author, American Auteur
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Kelly **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert US Stud, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

This unit will study continuities in American film and literature through intensive analysis of representative novelists and filmmakers. We will be considering the question of aesthetic authority in relation to literature and cinema, the creative role of the author and the auteur in the production of the literary or cinematic work of art, and the role of literature and film in cultural self-reflection, especially in relation to two enduring themes of American self-consciousness, the quest and original sin.

Textbooks
Prose:
Hawthorne: The Scarlet Letter
Fitzgerald: The Great Gatsby
Faulkner: Absalom, Absalom!
Wharton: The Age Of Innocence
Film:
Welles: Citizen Kane
Hawks: The Nig Sleep
Ford: The Searchers
Scorsese: Taxi Driver
Allen: Crimes and Misdemeanours
Eastwood: Mystic River

ENGL6953
Journeys of Healing
Arts

Credit points: 6 **Teacher/Coordinator:** Dr B Brennan **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4000-4500 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip Med Hum, Grad Dip Medical Hum, M A, M Med Hum, M Medical Hum, PG Coursework Exchange.

This unit of study introduces some complex, (largely) contemporary, Australian texts that deal in various ways with traumatic journeys through physical and psychological landscapes towards a sense of personal reconciliation. It will encourage students to: reflect on how they understand the relationship between narrative and healing; appreciate the ways in which various Australian writers address issues of gender, ethnic and race politics; and identify ways in which these writers address broader national concerns of rupture and healing in Australian imaginings.

Textbooks
Texts:
Randolph Stow, To the Islands. Penguin (1958)
Eva Sallis, Hiam. Allen & Unwin (1998)
Kim Mahood, Craft for a Dry Lake. Anchor/Random House (2000)
Robert Dessaix, Night Letters. Macmillan (1996)
Kim Scott, Benang: From the Heart. Fremantle Arts Centre Press (1999)
Inga Clendinnen, Tigerís Eye. Text (2000)
Films:
Japanese Story (dir. Sue Brooks, 2003)
Yolngu Boy (dir. Stephen Johnson, 2000)
Beneath Clouds (dir. Ivan Sen, 2002)
Selection of Australian poetry and theoretical readings provided in course reader.

ENGL6958
New Directions HSC: Research Essay
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Semester 2 **Classes:** Regular consultation with appointed supervisor **Assessment:** 6,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert HSC English, Grad Dip Arts, M A, M Litt.

Permission required from the postgraduate coordinator in English.

The New Directions HSC Research Essay provides students with an opportunity to do a case study or research project on a topic generated by one of the coursework units in the 'New Directions in HSC'. The

unit is therefore normally only available to students who have already completed at least one of those units of study.

Prior to consulting the postgraduate coordinator, all students must prepare a brief outline (up to 300 words) of the project they wish to undertake giving appropriate details including the texts and/or issues to be studied and a background reading list.

ENGL6959
Children's Writing Workshop
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks (convener), writer TBA **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5,000 word essay (or equivalent) in writing for children. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Dip Arts, Grad Dip C W, M A, M C W, PG Coursework Exchange.

A four-module unit which will introduce and theorise the subject, offer working seminars with children's writers and industry representatives, and workshop writing by participants.

ENGL6962
Communication in Professional Contexts B
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Shaw **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 2 x written assignments (2 x 25%); 1 x oral presentation (20%); 1 x reflective journal (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert D C C, Grad Cert E L A, Grad Cert Lib Stud, Grad Cert Media Prac, Grad Cert Medical Hum, Grad Cert P C, Grad Cert Pub, Grad Dip Arts, Grad Dip Media Prac, Grad Dip Medical Hum, Grad Dip P C, M A, M Litt, M Media Prac, M Medical Hu.

The unit will introduce practical resources for developing oral and visual communication skills in workplace contexts. Communication through oral language will be the primary focus, though written and visual texts in professional contexts will also be studied. The focus will be on developing the practical skills necessary for effective oral and visual communication in professional contexts. The unit scope will include practical exercises in constructing, editing and presenting oral and visual texts.

Textbooks
Mohan et al, Communicating as Professionals
A resource book with additional readings will be made available

ENGL6964
Language of Leadership Cultures
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Shaw **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 2 essays totalling 5,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Lib Stud, Grad Cert P C, Grad Dip P C, Grad Dip Stat Pr, M P C, M Strat P R, PG Coursework Exchange.

This unit of study will introduce students to leadership as a discursive construct which is culturally and contextually specific, and it will provide them with skills to analyse such constructs. The unit considers the cultures of leadership in Australian professional contexts and how these compare, contrast and interact with other cultures of leadership in the region. Students will develop an understanding of the current debates around implications of culture and gender differences in theorisations of leadership.

ENGL6968
From Print to Pixel
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** ENGL3915 **Assessment:** 1 x 1500-word online editing task 1 x 2000-word online essay 1 x 500-word website critique 5 x 100-word blog postings **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert D C C, Grad Cert HSC English, Grad Cert P C, Grad Dip Arts, Grad Dip C W, Grad Dip P C, M A, M C W, M Litt, M P C, PG Coursework Exchange.

This unit examines the history and ever-increasing role of technology in oral and written discourse. It explores how computer-assisted reading, writing and research have impacted upon language and literary studies. It focuses particularly on the relationship of classical rhetoric to hypertext theory and offers students a broader theoretical scope for writing and analyzing texts in English. Students learn how to edit and evaluate texts in electronic environments, and are introduced to conventions of intellectual property.

ENGL6969
Writers at Work: Screenwriters
Arts

Credit points: 6 **Teacher/Coordinator:** Sue Woolfe **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: It is recommended that students also enrol in ENGL6903

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert F S, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

Four contemporary Australian screenwriters are highlighted, each presenting three 2-hour sessions. In the first session, a film scripted by the writer will be shown. In the second, the screenwriter will explain the genesis of the film, the process of writing it, and the triumphs and tribulations of transferring the script to the screen. In the third session, a key figure associated with the production, e.g. the producer, director, or a lead actor will be present for the students to question.

ENGL6972
New Directions HSC: Extension1B Elec 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr L Semler **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 1 x 4000 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert HSC English, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt.

This unit studies Shakespeare and the Renaissance concentrating on English poetry, drama and prose. It provides an introduction to the idea of an historical period and approaches the Elizabethan and Jacobean period in England via a view of the Renaissance in Italy. Key Shakespeare plays are studied in relation to their historical and cultural contexts, and the current debate about Shakespeare and literary theory. The focus includes the representation of the Renaissance in later fiction and film. This unit will be taught off-campus at Barker College - please consult the department prior to enrolment.

Textbooks
The Norton Shakespeare, ed. Greenblatt, Cohen, Howard, Maus (New York, 1997)

ENGL6974
Children's Writers at Work
Arts

Credit points: 6 **Teacher/Coordinator:** Dr David G. Brooks **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay that considers the methods of fiction writing of one or more of the guest authors **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Pub, Grad Dip Arts, Grad Dip C W, M A, M C W, M Litt, PG Coursework Exchange.

Four major contemporary Australian children's writers take participants through the process of composition of their recent works sharing their techniques and their philosophies of writing. Each writer will conduct 3 sessions of 2 hours each.

ENGL6975
Translators at Work
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks (convenor) **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 1 essay of 4500 words on topic set or approved by the course convenor **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert C W, Grad Cert Pub, Grad Dip App Ling, Grad Dip Arts, Grad Dip C W, M A, M App Ling, M C C, M C W, M Litt, PG Coursework Exchange.

Four experienced literary translators of established national/international reputation will discuss their work, experience and translation philosophy with students who will all have read a work of translation by, and designated by, the translator concerned, providing practical examples of difficulties encountered and explanations/justifications of their solutions.

ENGL6978
Medical Matters in English Literature
Arts

Credit points: 6 **Teacher/Coordinator:** Dr M Hardie **Session:** Semester 2 **Classes:** 2 hours per week equiv (online). See assessment requirements. **Assessment:** 2 essays of 2000 words each (90%); 2 reports of 500 words each (10%). All should be sent electronically within WebCT. To complete the unit satisfactorily, students are required, through WebCT, to participate in class discussion on a regular basis. Class discussion and individual communication with lecturers within WebCT are tracked and recorded. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Arts, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip Med Hum, Grad Dip Medical Hum, M A, M Litt, M Med Hum, M Medical Hum, PG Coursework Exchange.

Literary texts across the centuries have confronted a range of medical issues, such as disease, contagion, congenital defects, injury, dying, mental states and disorders, addiction, medical treatments and technologies. This unit explores the interface of medicine and literature in a selection of texts, in various modes and from various historical and cultural contexts. It seeks to identify attitudes to particular medical issues and to relate these to the wider discourses of the texts concerned, using appropriate theoretical approaches. This unit of study will be offered online.

ENGL6979
Writing Between the Lines
Arts

Credit points: 6 **Teacher/Coordinator:** Dr R Johinke **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1 x 5,000 creative non-fiction piece (or equivalent), class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Media Prac, Grad Dip Arts, Grad Dip C W, Grad Dip Media Prac, M A, M C W, M Litt, M Media Prac, PG Coursework Exchange.

In this unit of study, students will explore 'the space between' creative and academic writing. It will introduce a creative-critical approach to academic writing and textual study based on the writing and re-writing of texts with an emphasis on the creation of innovative critical material. Students will engage creatively with works of fiction and non-fiction and explore some of the theories underpinning notions of authorship, literary non-fiction, fictocriticism, hybridity, pastiche, intertextuality and hypertext.

Textbooks
'No Road' Stephen Muecke and 'The Space Between' Heather Kerr & Amanda Nettelbeck

ENGL6980
Backgrounds to the Western Tradition
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 2 x essays of 2000 words each **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

Writers from the Beowulf poet to Patrick White have evoked the stories from the Book of Genesis in their works, while James Joyce and Margaret Atwood have 'rewritten' Homer's Odyssey. This unit introduces students to a range of works lying at the roots of the English literary tradition, including a range of books from the Bible, and works by Virgil and Ovid. These will be studied according to a number of literary themes, including national epic, pastoral, and love poetry.

ENGL6981
Chaucer: Then and Now
Arts

Credit points: 6 **Teacher/Coordinator:** Dr M Rogerson **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 1 x 1,000 word seminar presentation (written up and handed in after the presentation); 1 x 3,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit focuses on the reading and interpretation of Chaucer's great canonical work, the Canterbury Tales. We read six tales in their original text and consider their reception by contemporary audiences. Post-medieval reception and adaptations are also analysed, for example, recent stage, film and television adaptations. From an in depth study of the tales themselves we question the success of the modern versions. How faithfully do they reflect the Chaucerian originals? What do they achieve as narratives for twenty-first century audiences?

Textbooks
Benson, Riverside Chaucer

ENSE5000
Accompaniment (Graduate) 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1 hr individual lesson and regular masterclasses or performance workshops **Assessment:** Accompanist for professional soloists in one vocal or one instrumental recital (minimum 50min) (100%) [Students are expected to have accompanied one vocal and one instrumental recital by the end of the course] **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

An advanced study of the keyboard player working in ensemble. Students will gain experience in chamber music, instrumental duo, vocal accompaniment, choral accompaniment and orchestral keyboard. A wide range of repertoire will be studied. Students will be expected to undertake a variety of learning experiences, each of which will be analysed and evaluated. For further information contact D. Miller (Ensemble Studies).

ENSE5001
Accompaniment (Graduate) 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1 hr individual lesson and regular masterclasses or performance workshops **Prerequisites:** ENSE5000 Accompaniment (Graduate) 1 **Assessment:** Accompanist for professional soloists in one vocal or one instrumental recital (minimum 50min) (100%) [Students are expected to have accompanied one vocal and one instrumental recital by the end of the course] **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Consolidation and continuation of concepts and skills introduced in Accompaniment (Graduate) 1.

ENSE5002
Instrumental Study 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1 hr individual lesson/wk **Corequisites:** ENSE5000 Accompaniment (Graduate) 1 **Assessment:** Two term progress reports (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Students will undertake a program of technical studies and solo repertoire chosen by the instrumental teacher to suit their particular needs. The aim of the unit is to maintain a high standard of keyboard technique and facility. Attention will be paid to expanding the student's

knowledge of different styles and historical periods. A special study will be made of the problems peculiar to the pianist working in ensemble, while students will also have the opportunity to gain a basic understanding of other keyboard instruments (organ, harpsichord and fortepiano). For further information contact D. Miller (Ensemble Studies).

ENSE5003
Instrumental Study 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Miller **Session:** Semester 1 **Classes:** 1 hr individual lesson/wk **Prerequisites:** ENSE5002 Instrumental Study 1 **Corequisites:** ENSE5001 Accompaniment (Graduate) 2 **Assessment:** Two term progress reports (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Consolidation and continuation of work introduced in Instrumental Study 1. For further information contact D. Miller (Ensemble Studies).

ENSE5004
Music Craft 1
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut and discussion/2wk **Corequisites:** ENSE5000 Accompaniment (Graduate) 1 **Assessment:** 1 hr prac and viva voce exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Students will study sight reading, transposition, improvisation and keyboard harmony. Rehearsal and performance techniques will be analysed and evaluated. Particular attention will be paid to the philosophy of communication both between music colleagues and between performers and their audience. For further information contact D. Miller (Ensemble Studies).

ENSE5005
Music Craft 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut and discussion/2wk **Prerequisites:** ENSE5004 Music Craft 1 **Corequisites:** ENSE5001 Accompaniment (Graduate) 2 **Assessment:** 1 hr prac and viva voce exam including 10min demonstration of vocal coaching (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Consolidation and extension of concepts and skills introduced in Music Craft 1.

ENSE5006
Studio Experience 1
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** Participation in 3hr vocal studio and Vocal Repertoire 1 classes **Corequisites:** ENSE5000 Accompaniment (Graduate) 1 **Assessment:** Two term progress reports (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

The aim of the unit is to expand the student's knowledge of vocal teaching techniques, vocal repertoire and the special demands placed on the vocal accompanist. Students will study the rudiments of vocal coaching and undertake some basic tuition in languages as required. Attendance will include three hours each week in a vocal studio and participation in the Vocal Repertoire 1 class. For further information contact D. Miller (Ensemble Studies).

ENSE5007
Studio Experience 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** Participation in 3hr vocal studio and Vocal Repertoire 1 classes **Prerequisites:** ENSE5006 Studio Experience 1 **Corequisites:** ENSE5001 Accompaniment (Graduate) 2 **Assessment:** Two term progress reports (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Attendance will include three hours each week in a vocal studio and participation in the Vocal Repertoire 2 class. For further information contact D. Miller (Ensemble Studies).

ENSE5008
Vocal and Instrumental Literature 1
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1hr seminar/2wk **Corequisites:** ENSE5000 Accompaniment (Graduate) 1 **Assessment:** Research assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Students will study the various methods of planning and ordering concert and recital programs. Special attention will be paid to writing program notes, song translations and promotional techniques. Students will be encouraged to investigate less familiar repertoire and innovative ways of reaching specific audiences. Assessment will include: one written assignment and assessment of the programs distributed at the examination recitals presented in fulfilment of the requirements for Accompaniment (Graduate) 1. For further information contact D. Miller (Ensemble Studies).

ENSE5009
Vocal and Instrumental Literature 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** D. Miller **Session:** Semester 1, Semester 2 **Classes:** 1hr seminar/2wk **Prerequisites:** ENSE5008 Vocal and Instrumental Literature 1 **Corequisites:** ENSE5001 Accompaniment (Graduate) 2 **Assessment:** Research assignment including published recital programs (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Dip Mus (Accomp), PG Coursework Exchange.

Consolidation and extension of concepts and skills introduced in Vocal and Instrumental Literature 1. Assessment will include: one written assignment and evaluation of the printed programs which were prepared for and distributed at the examination recitals performed in fulfilment of the requirements for Accompaniment (Graduate) 2. For further information contact D. Miller (Ensemble Studies).

ENSE5015
Graduate Ensemble 1
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, chamber music ensembles or equivalent. **Assessment:** Two progress reports per semester (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), M Mus Stud (Perf), PG Coursework Exchange.

The aim of Graduate Ensemble is to provide students with opportunities to participate in the types of ensembles in which they will seek employment. This includes: knowledge of repertoire; development of ensemble skills; professional practice as a session musician; knowledge of ensemble management and relevant professional expectations.

ENSE5016
Graduate Ensemble 2
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, chamber music ensembles or equivalent. **Assessment:** Two progress reports per semester (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), M Mus Stud (Perf), PG Coursework Exchange.

The aim of Graduate Ensemble is to provide students with opportunities to participate in the types of ensembles in which they will seek employment. This includes: knowledge of repertoire; development of ensemble skills; professional practice as a session musician; knowledge of ensemble management and relevant professional expectations.

ENSE5017
Graduate Ensemble 3
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, chamber music ensembles or equivalent **Assessment:** Two progress reports per semester (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), M Mus Stud (Perf), PG Coursework Exchange.

The aim of Graduate Ensemble is to provide students with opportunities to participate in the types of ensembles in which they will seek employment. This includes: knowledge of repertoire; development of ensemble skills; professional practice as a session musician; knowledge of ensemble management and relevant professional expectations.

ENSE5018
Graduate Ensemble 4
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, chamber music ensembles or equivalent. **Assessment:** Two progress reports per semester (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), M Mus Stud (Perf), PG Coursework Exchange.

The aim of Graduate Ensemble is to provide students with opportunities to participate in the types of ensembles in which they will seek employment. This includes: knowledge of repertoire; development of ensemble skills; professional practice as a session musician; knowledge of ensemble management and relevant professional expectations.

ENSE6002
Graduate Ensemble 5
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, chamber music ensembles or equivalent. **Assessment:** Two progress reports per semester (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Accomp), Grad Dip Mus (Opera), Grad Dip Mus (Perf), M Mus (Mus Ed), M Mus (Performance), M Mus Stud (Opera), M Mus Stud (Perf), PG Coursework Exchange.

The aim of Graduate Ensemble is to provide students with opportunities to participate in the types of ensembles in which they will seek employment. This includes: knowledge of repertoire; development of ensemble skills; professional practice as a session musician; knowledge of ensemble management and relevant professional expectations.

ENVI5501
Environmental Research Project
Science

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Meetings arranged with supervisor. **Prerequisites:** 24 credit points of study with a credit average or better **Assessment:** Written report and continuous assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study is available only to students enrolled in AppSc(EnvSc)

Associated degrees: Grad Cert App Sc (Enviro Sci), M Envi Sci Law.

A valuable opportunity to apply some of the knowledge gained from earlier coursework, ENVI5501 consists of a research project as arranged between you (the student) and an appropriate supervisor. The project topic may contain a field or laboratory component, or may be entirely literature-based. The only requirement is that the topic be of environmental emphasis, meaning that potential topics range from ecotourism to pollution detection and monitoring, erosion to solar power, environmental law to conservation biology. The topic must also be able to be completed within the timeframe of 16 weeks (one semester) of investigation, including the literature survey, sample and data collection, analysis of data and results, and write up of the report. This unit is not conducted by way of a number of contact hours per week for a semester. Instead, the student will work on the project full-time (aside from other study commitments) in a continuous manner for the entire duration (1 semester). Any student interested in taking ENVI5501 should contact the postgraduate advisor for Environmental Science to discuss their project and for help in selecting and appropriate supervisor.

ENVI5705
Ecolog Principles for Environ Scientists
Science

Credit points: 6 **Teacher/Coordinator:** Dr Charlotte Taylor **Session:** Semester 1 **Classes:** One 3 hour lecture per week. **Assessment:** Assignment, presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a compulsory course for all levels of the postgraduate Applied Science (Environmental Science) program.

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), M Envi Sci Law, PG Coursework Exchange.

This unit of study introduces fundamental concepts of modern ecology for environmental scientists so as to provide non-biologically trained persons an understanding of the nomenclature of ecology and the physical parameters represented.

ENVI5707
Energy - Sources, Uses and Alternatives
Science

Credit points: 6 **Teacher/Coordinator:** Dr Chris Dey **Session:** Semester 2 **Classes:** Two 1 hour lectures per week and three field trips per semester. **Assessment:** Assignment, presentation and quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), M Envi Sci Law, PG Coursework Exchange.

Environmental impacts of energy generation and use are addressed in this unit of study. Major topics include discussion of the various energy sources, global energy resources, the economics associated with energy production, the politics and culture that surrounds energy use, and the alternative sources of solar thermal and photovoltaic energy and atmospheric systems. This unit of study includes several field trips to energy utilities and industry groups associated with alternate energy sources and generation.

ENVI5708
Introduction to Environmental Chemistry
Science

Credit points: 6 **Teacher/Coordinator:** A/Prof Gavin Birch **Session:** Semester 1 **Classes:** Two 1 hour lectures and one practical per week; one field trip per semester. **Assessment:** Assignment, presentation and report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a compulsory course for the Grad Dip and Masters levels of the Applied Science (Environmental Science) program.

Associated degrees: Grad Cert App Sc (Enviro Sci), M Envi Sci Law, PG Coursework Exchange.

Introduction to Environmental Chemistry provides the basic chemical knowledge required to be able to understand chemical analysis of air, water and soil samples taken in the field. This is supplemented by a

field-based project analysing soil and sediment samples for trace pollutants from locations in and around Sydney. This unit of study involves 4 contact hours per week for one semester as well as some time in the field as arranged with the class.

ENVI5801
Social Science of Environment
Science

Credit points: 6 **Teacher/Coordinator:** Associate Professor Philip Hirsch **Session:** Semester 2 **Classes:** 2 lec, 2 sem, 3 field/w **Assessment:** 2000 w assignment, seminar presentation, field report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

This unit provides key background concepts for the analysis of relationships between society and environment and natural resources. It deals with both broad theoretical approaches to the societal analysis of relationships between people and the environment, notably political ecology, and with specific themes including the sociological basis of collective action, property relations, resource tenure, decentralisation, participatory approaches to environmental and natural resource management, and systems of knowledge. It pays particular attention to the implications of heterogeneous and conflicting interests for environmental and natural resource management and explores ways of dealing with diverse stakeholder interests. The unit draws on examples from various countries, with special emphasis on Southeast Asia and Australia. The aim of the course is to provide conceptual tools that will be used in other units of study within the program and for application in analysis of resource and environmental management issues faced in real world decision-making contexts. The unit will draw on the professional experience and agency roles of participants. The unit is taught through a combination of lectures, reading-based seminars and a pre-sessional field visit.

ENVI5802
Resources and Regional Development
Science

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Philip Hirsch **Session:** Semester 2 **Classes:** 2 lec, 2 sem, 3 field/w **Assessment:** 2000 w assignment, seminar presentation, field report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

This unit investigates the range of multipliers and impacts that resource development brings to the regions in which it is located. The unit deals with economic, social and political aspects of resource regions, investigating both direct and indirect spatial distributions of costs and benefits and means by which these are dealt with in specific contexts. The unit draws on examples of mining, forestry, tourism and dams to develop skills in resource impact analysis. The critical social science approach is designed to give planners, advocacy groups and resource developers tools with which to anticipate and act on regionally specific impacts of resource development. The unit is taught through a combination of reading-based seminars, lectures and a field visit.

ENVI5803
Law and the Environment
Science

Credit points: 6 **Teacher/Coordinator:** Dr Gerry Bates **Session:** Semester 1 **Classes:** One 2 hour lectures per week. **Assessment:** Essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

This unit of study provides an overview of Australian and international law as it pertains to the environment. It looks at a number of environmental issues at the various levels of analysis, policy making, implementation of policy and dispute resolution. It also provides a broad background to political and economic issues as they related to the legal issues. This unit of study involves lecture material and an essay on policy issues.

ENVI5805
The Urban Environment and Planning
Science

Credit points: 6 **Session:** Semester 1 **Classes:** Eight lectures and eight 2 hour seminars per semester **Assessment:** Report and short research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

The aim of this unit of study is to introduce the concepts and procedures which are relevant to the application of scientific analysis to the formulation of urban and regional development policy and strategies.

ENVI5808
App Ecology for Environmental Scientists
Science

Credit points: 6 **Teacher/Coordinator:** Dr Clare McArthur **Session:** Semester 2 **Classes:** Three 1 hour lectures per week. **Assessment:** Essays and presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a compulsory unit for all levels of the postgraduate Applied Science (Environmental Science) program

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), Grad Cert App Sc (Wild Hlth & Pop Man), M Envi Sci Law, PG Coursework Exchange.

This unit of study complements ENVI5705, and covers in depth the concerns of modern ecology pertaining to both terrestrial and marine ecosystems. An understanding of the complex issues of invasive species, conservation of biodiversity and ecological management of the environment is provided.

ENVI5809
Computer Modelling & Resource Management
Science

Credit points: 6 **Teacher/Coordinator:** Dr David Chapman **Session:** Semester 1 **Classes:** Six workshops. **Assessment:** Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), M Envi Sci Law, PG Coursework Exchange.

The concept and use of computer modelling in natural resource management is introduced in this unit of study, which is aimed particularly at non-programmers.

ENVI5903
Sustainable Development
Science

Credit points: 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 2 hour lectures per week for seven weeks. **Assessment:** Essay and presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), Grad Cert Lib Stud, Grad Dip Lib Stud, M Lib Stud, PG Coursework Exchange.

This unit of study demonstrates the history and contested understandings of the concept of sustainable development. It applies these concepts to explore important environmental science issues such as population, water management sustainable cities, rural development, industrial ecology, and energy issues. The unit concludes by presenting a range of future scenarios and encouraging students to develop their own vision of sustainability at the global and other scales, and to communicate their means of achieving this sustainability vision.

ENVI5904
Understanding Environmental Uncertainty
Science

Credit points: 6 **Teacher/Coordinator:** Associate Professor Ross Coleman **Session:** Semester 2 **Classes:** One three hour lecture per week for 8 weeks. **Assessment:** Tutorials, oral presentations and written reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

No assessment of potential environmental impacts is possible without relevant information about the ecological consequences. This unit is for those without a science degree, to explain the need to quantify and what are relevant measures. Describing and understanding uncertainty will be explained in the context of precautionary principles. Issues about measuring biodiversity and the spatial and temporal problems of ecological systems will be introduced.

ENVI5905
Management of Parks
Science

Credit points: 6 **Teacher/Coordinator:** A/Prof Deirdre Dragovich **Session:** Semester 2a **Classes:** Lectures 2hrs for 6 weeks, Practical work 3 hrs for 3 wks, Fieldwork 21 hrs (2.5 days), Total / week 7 hrs average **Assessment:** A prac report, assignment, one 1hr exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci).

This unit of study evaluates the reasons for the existence of parks, including National Parks, recreational spaces and reserves, and examines the applied aspects of their management. Topics covered include conservation, ecotourism, plans of management and their implementation (with particular emphasis on the remediation of the impacts of visitor numbers and erosion), fire control practices and resource management. Students will visit various parks within the Sydney region (such as the Royal National Park, the Sydney Harbour Foreshore, Jenolan Caves Reserve and Centennial Park) that highlight the different issues introduced in lectures and which illustrate the practical measures undertaken to manage the parks in a sustainable fashion.

Textbooks
A Course Handbook will be provided.

EUST6900
European Identity and Cultures
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert Lib Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

The unit examines European politics, culture and history and introduces students to the issues and events that are important in Europe today. The unit will be taught by academic staff with expertise in linguistics, culture, politics and history, and arranged around a series of thematic issues. These include nationalisms, old and new; local and regional identity in language and culture, and in the diaspora; intellectuals, recorders of the past, and harbingers of the future; and the experience of everyday life for women and men across generations.

EUST6901
European Cinema and National Identities
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert F S, Grad Cert Lib Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

Cinema powerfully portrays cultural myths and national propensities and in the process provides profound insights into the heart of a nation and its people. In the twentieth century, cinema has offered new understandings of the national past and new visions of a possible future. Equally, in turbulent times movies can serve as catalysts for social change. This unit, with a broad geographic and chronological sweep, offers students an understanding of European politics and history through the medium of national cinemas. The screenings of old and new European classics are presented by academic staff with a range of expertise in European languages, culture, politics and history. All films are screened in their original language with English subtitles.

EUST6902
Supervised Reading Course 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 1, Semester 2 **Assessment:** 4,000-6,000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud.

Candidates should consult the postgraduate coordinator about their individual program prior to enrolment.

EUST6903
Supervised Reading Course 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 1, Semester 2 **Assessment:** 4,000-6,000 words wrtitten work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud.

Candidates should consult the postgraduate coordinator about their individual program prior to enrolment.

EUST6904
Dissertation Part A
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a dissertation of 12-15,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Euro Stud.

Research and writing towards a dissertation of 12-15,000 words on an approved topic in the field of European Studies, under the supervision of an academic member of staff. Candidates should consult the postgraduate coordinator for the European Studies program prior to enrolment in order to formulate a topic.

EUST6905
Dissertation Part B
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 1, Semester 2 **Prerequisites:** EUST6904 **Assessment:** Completion and submission of a dissertation of 12-15,000 words begun in EUST6904 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Euro Stud.

Completion and submission of a dissertation of 12-15,000 words on an approved topic, written under the supervision of an academic member of staff.

EUST6906
Francophonie in the Arab World
Arts

Credit points: 6 **Teacher/Coordinator:** Drs N Hajjar and B Winter **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Group research project presented in class equiv to 6 - 10 class hours and 1500 words; 1 x 3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit explores the historical influence and presence of French language, culture and politics in the Arab world particularly Lebanon, Syria, Algeria, Tunisia and Morocco. These countries have had

pre-colonial, colonial and post-colonial relationships with France. The unit examines the impact of this relationship on socio-political and cultural interaction, and specific cultural hybridities within the countries concerned. It highlights the role of Francophone writers from the Arab world who sometimes reflect a love/hate relationship with France.

EXSS5029
Exercise Metabolism and Physiology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Tom Gwinn **Session:** Semester 1 **Classes:** 2 hours lecture plus 2 hours practical classed per week. **Assumed knowledge:** Good working knowledge by students of basic human biochemistry and physiology **Assessment:** Mid semester exam (40%), End of semester exam, practical assignments (60%). **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange.

The subject has a major emphasis on the responses of skeletal muscle metabolism to the acute stress imposed by exercise, and how muscle metabolism is altered by endurance training. Respiratory gas analysis of whole body metabolism is used to investigate muscle metabolism, and students will gain skills in both practical aspects of collection of gas exchange data and in the calculation and interpretation of data in terms of oxygen consumption, carbon dioxide production and fuel oxidation. In addition the acute cardiovascular and respiratory responses to exercises are examined and cardio-vascular adaptions to training are discussed. This unit of study will be offered by full time and part time coursework on campus.

EXSS5030
Human Mechanics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Associate Professor Richard Smith **Session:** Semester 1 **Classes:** Normal Evening 2 hours lecture, 2 hours practical per week. **Assumed knowledge:** Fundamental Functional Anatomy **Assessment:** Assignment (40%), theory (30%) and practical examinations (30%). **Practical field work:** Practical assignment included **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange.

This unit aims to investigate how the musculo-skeletal properties of the human body affect performance of exercise, sport and functional activity. Emphasis will be placed on structure and function of the major joints and their associated muscles in the production of movement and power. The examination of cadaveric specimens will enhance this aspect of learning. The unit begins with an examination of the mechanical properties of muscle, considers the implications of their arrangement on the skeleton and studies the coordination requirements for functional movement. Methods of estimation of muscle activit (electromyography will be used to explore how muscles create the internal forces in the human body necessary for balance, movement and protection of joints. This knowledge is finally integrated in a practical investigation of the mechanisms of walking. The skills of critical thinking, intellectual curiosity, problem solving, logical and independent thought, will be stimulated by reading, discussion, team work in laboratory classes and class exercises. This unit of study will be offered by full time and part time coursework on campus.

Textbooks
Joint Structure & Function. Norkin & Levange; Skeletal muscle structure and function. Leiber, R.I.

EXSS5036
Exercise for Clinical Populations
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Associate Professor Glen Davis **Session:** Semester 2 **Classes:** 2 hours lecture, 2 hours practical per week **Prerequisites:** EXSS5029 **Assessment:** Assignment (40%) and final examination (60%). **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Ex & Sp Sc (Clin Ex Sc), M Hlth Sc (Ex & Sp Sc), PG Coursework Exchange.

This unit considers the application of exercise science to the promotion and maintenance of health, for individuals with clinical conditions of complex and/or compound aetiology. The health risks associated with a sedentary lifestyle, based on exercise epidemiology and experimental exercise interventions are reviewed. Exercise testing and prescription for healthy adults is reviewed to form a basis for such interventions in the clinical populations. The pathophysiological bases of exercise limitations in various diseases and disability categories, and the clinical use of exercise assessment for these populations are studied. Using pathophysiology as a basic strategic approach to therapeutic exercise prescription and training are determined for each disorder. This approach will be applied across the broad 'classes' of disease and disability, with specific focus upon neuromuscular and skeletal conditions, metabolic diseases, cardiovascular and respiratory dysfunction, and "other" populations. Throughout the unit, there is strong emphasis on the biological basis of the application of exercise to health promotion, and rehabilitation in optimising function in the daily life of people with chronic health disorders. This unit of study will be offered by full time and part time coursework on campus.

EXSS5037
Research Dissertation
Health Sciences

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Meet with Supervisor as required **Assessment:** Evaluation of literature review, Research Dissertation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Ex & Sp Sc (Clin Ex Sc) (Hons), M Ex & Sp Sc (Sp Perf)(Hons), M Hlth Sc (Ex & Sp Sc) Hons, PG Coursework Exchange.

In this unit students conduct an investigative project related to exercise physiology and biomechanics. This project may take one of several formats including: a quality assurance project, study of acute responses to exercise in a small sample of healthy or disabled individuals, a sports/exercise epidemiological study, extensive literature review, or a minor research project related to exercise and sport science.

EXSS5044
Advanced Exercise Physiology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 2 **Classes:** 4hrs/wk **Prerequisites:** EXSS5029 **Assessment:** 3000 word assignment (30%), 2hr written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange.

This unit of study will focus on the following four areas: neuroendocrinology and exercise, signaling pathways in adaptation to exercise, immune responses to exercise and environmental factors and exercise. The hormonal responses to exercise related to fuel mobilization, exercise intensity, exercise training and their interactions will be discussed, with an added focus on blood glucose homeostasis. In addition, the signals for training adaptation at the molecular level will be explored. The unit will also examine the immune system responses to exercise, alluding to the factors that can affect resistance to infection. Environmental factors (e.g. the role of Heat Shock Proteins in the biogenesis of mitochondria and in limiting ischemia-reperfusion injury) will also be discussed.

This unit of study will be offered on campus supported with WebCT resources.

Textbooks
Reading materials will be recommended for individual lectures

EXSS5046
Sports Biomechanics

Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rene Ferdinands **Session:** Semester 2 **Classes:** 4 hours per week on campus supported with web CT resources. **Prerequisites:** EXSS5030 **Assessment:** 30% Assignment + 70% examinations **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange.

In this unit participants will apply the principles of biomechanics to the assessment and optimization of sporting skill and the prevention of injury.

A range of sports will be selected as case studies. A review of kinetics, work, power and efficiency will be undertaken at the beginning of the unit in preparation for the applications. The building of practical biomechanical assessment competency will form an important part of the unit.

EXSS5047
Nutrition for Health, Exercise and Sport
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 1 **Classes:** 4 hours per week on campus supported with web CT resources. **Assumed knowledge:** Undergraduate biology and physiology (biochemistry is desirable). **Assessment:** Poster presentation 30%; in class problem based learning 10%; final exam 60%. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: B App Sc (Ex &Sp Sc), M N, Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange.

This unit provides students with background knowledge in nutrition as applied to public health and exercise performance. Public health issues such as obesity, diabetes mellitus, cardiovascular disease and cancer will be a focus. In addition exercise nutrition strategies such as carbohydrate loading, use of ergogenic aids and strategies for muscle bulking, pre-event eating and making weight will be studied. Students will have an opportunity in the unit to obtain an internationally recognised accreditation in anthropometry. The unit will have a strong practical focus.

This unit of study will be offered on campus supported with WebCT resources.

Textbooks
Burke L & Deakin V, Clinical Sports Nutrition (2nd Ed), McGraw-Hill (2000)

EXSS5048
Exercise Throughout the Lifespan
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Professor Maria Fiatarone Singh **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** EXSS5029 **Assessment:** 30% Assignment, 70% end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), PG Coursework Exchange.

This unit of study aims to provide the student with an understanding of the rationale and recommendations for the use of exercise and the promotion of physical activity in adolescents and older adults, including those with chronic disease and disability. The student will explore evidence for the contribution of exercise to psychological health and well-being, bone health, improvement in body composition associated with poor health outcomes and for the prevention and treatment of chronic disease and disability. Appropriate exercise modalities and implementing the exercise prescription will also be examined.

This unit of study will be offered on campus supported with WebCT resources.

EXSS5049
Athlete Exercise Testing and Training
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Johnson **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** EXSS5029 **Assessment:** 70% written examination and 30% written report. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange.

This unit provides students with knowledge about the application of testing procedures to the identification and evaluation of athletic ability and about the provision of training programs for the preparation of athletes. The exercise testing component critically reviews principles and methods for assessing anaerobic power and capacity, endurance and muscle strength and power in athletes. The exercise prescription component covers athletes training programs for increasing anaerobic power and capacity, endurance, speed and muscle strength and power. Issues related to athletic training, such as does-response, overtraining, detraining, periodicity, warm-up and acclimatisation will also be addressed. Practical classes are designed to support the lecture material and will cover various athlete testing protocols.

This unit of study will be offered on campus supported with web CT resources.

Textbooks
Gore, Physiological Tests for Elite Athletes (2000)

EXSS5050
Human Motor Learning and Control
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Associate Professor Nicholas O'Dwyer **Session:** Semester 1 **Classes:** 4 hours per week **Assessment:** 30% Assignment and 70% final examination. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange.

This unit takes both a behavioural and a neurophysiological approach to the acquisition and execution of skilled motor actions. These approaches overlap, with the behavioural approach being primarily directed at the structures and processes underlying movement without considering their physical basis, while the neurophysiological approach is primarily directed at the neuromuscular machinery and the functional neural connections that govern movement.

The information processing and energetic capacities that underpin motor performance are examined; that is, memory, attention, reaction time, planning, speed-accuracy trade-off, force control, economy of energy, coordination, multi-task performance, automaticity, lateralisation, arousal and stress, effort and resources, talent and expert-novice skill differences. The features of learning that can be manipulated to promote motor learning are examined, such as goals, motivation, instruction, practice conditions and feedback, imagery and mental rehearsal; and their applications to teaching motor skills, coaching and rehabilitation are considered. Consideration is given to the interaction between automatic and conscious control systems in the production of motor behaviour and how this informs strategies for error correction in motor performance. An overview of common disorders of movement is presented. The ecological and motor program approaches to motor learning are considered.

Students will read relevant research and theoretical material and be expected to report and interpret their findings and contribute to class discussion.

This unit of study will be offered on campus supported with WebCT resources.

EXSS5051
Clinical Biomechanics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** B. Vanwanseele **Session:** Semester 2 **Classes:** 4 hours per week (2 hours lectures + 2 hours pracs) **Prerequisites:** EXSS5030 **Assessment:** 30% assignment + 70% examinations **Practical field work:** 2 hours per week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Not available during concurrent enrolment in EXSS5046 Sports Biomechanics.

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc), M Ex & Sp Sc (Sp Perf), PG Coursework Exchange.

A review of kinetics, work, power and efficiency will be undertaken at the beginning of the unit in preparation for the applications. The course offers an introduction to some of the issues in clinical biomechanics, including: gait, work related tasks, musculoskeletal and injury biomechanics. It will further develop the understanding of biomechanics through clinical applications, including normal and pathological gait. Material properties of tissues and the influence of exercises and rehabilitation on tissue development and health will be discussed. The mechanical properties of tissues and anatomical structures will be related to injury occurrence and prevention.

This unit of study will be offered on campus supported with WebCT resources.

Textbooks
Basic Biomechanics of the Musculoskeletal System

EXSS5053
Clinical Exercise Science Practicum I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Jacqueline Raymond **Session:** Semester 1, Semester 2 **Classes:** Introductory lectures; minimum of 15hrs/wk (approx 200 hours) **Prerequisites:** EXSS5029 **Assumed knowledge:** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th Edition). Lippincott Williams & Wilkins, 2006. **Assessment:** Case management reports (40%), practical competency exam (60%) **Practical field work:** 200 hours off campus at various clinical sites **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc).

The unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. The theory will be applied to practice of graded exercise testing for healthy and diseased populations, exercise supervision and counselling for healthy and diseased populations and emergency procedures related to exercise testing and training situations. Students will have the opportunity to case manage and provide a written report.

Textbooks
ACSM's Resource Manual for Guidelines for Clinical Exercise Physiology (1st Ed), Lippincott Williams & Wilkins (2002)

EXSS5054
Clinical Exercise Science Practicum II
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Jacqueline Raymond **Session:** Semester 2 **Classes:** Introductory lectures; minimum of 15 hrs/week (approx. 200 hours). **Prerequisites:** EXSS5029 and EXSS5053 **Assumed knowledge:** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th Edition). Lippincott Williams and Wilkins, 2006. **Assessment:** Case management reports (40%), Practical competency exam (60%). **Practical field work:** 200 hours off campus at various clinical sites. **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc).

The student will continue clinical placements specifically in the area of complex and chronic medical conditions. This Unit is designed to provide students with the opportunity to learn and demonstrate the skills and attributes required for exercise testing and prescription for populations with cardiovascular, pulmonary, metabolic, orthopaedic, musculoskeletal, neuromuscular and/or immunological disease/disability.

Textbooks
ACSM's Resource Manual for Guidelines for Clinical Exercise Physiology (1st Ed), Lippincott Williams & Wilkins (2002)

EXSS5055
High Performance Coaching
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Sarah Morante **Session:** Semester 2 **Classes:** 2 x 1 hr lecture and 1 x 2 hr practical/tutorial per week **Assumed knowledge:** Undergraduate level Motor Control; Growth and Development; Behavioural Science **Assessment:** 1 x periodised training program (40%), 1x2000 word report (30%), 1x2hr exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Sp Perf).

This unit provides an introduction to the principles of sports coaching and the role of a high performance coach. The unit aims to integrate and apply the concepts acquired over the course of the degree. Students will conduct athlete profiling, sports analyses and performance analyses for the development of periodised training programs. The psychological and behavioural aspects of sport and training will also be explored, providing students with practical skills essential for the development of optimum athletic performance. Students will develop practical knowledge relating to the application of motor control and learning in skill acquisition. The issue of talent identification will be explored using relevant knowledge acquired from previous units of study. Students will also be able to draw on their understanding of various physical and psychological disorders to examine the area of inclusive coaching / athletes with disabilities. The emerging area of athlete development will be discussed, focusing on the promotion of educated and rounded athletes to enhance both competitive performance and life after sport. Legal and business considerations relating to sports coaching, and the structure of the Australian coaching scheme will be explored to provide students with an understanding of the sport and coaching industries.

EXSS5056
Clinical Exercise Science Practicum 1
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr. Jacqueline Raymond; Ms Elodie Williams; Assoc Prof Nalin Singh **Session:** Semester 1 **Classes:** Introductory lectures; minimum of 15hrs/ week (approx.200 hours) Commitment: 4 X .5days (within 9-5pm) **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Prohibitions:** Discipline permission required for enrolment **Assumed knowledge:** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th Edition). Lippincott Williams & Wilkins, 2006 **Assessment:** Case management reports; Practical competency exam **Practical field work:** 200 hours off campus at clinical sites **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (Ex&Sp Sc), Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc).

This Unit is designed to provide students with the opportunity to learn and demonstrate the knowledge, skills and abilities of the clinical exercise physiologist. The theory will be applied to practice of graded exercise testing for healthy and diseased populations, exercise supervision and counselling for healthy and diseased populations and emergency procedures related to exercise testing and training situations. Students will have the opportunity to case manage and provide a written report.

Textbooks
ACSM's Resources for Clinical Exercise Physiology (1st Edition). Lippincott Williams & Wilkins, 2002;
Woolf-May, K. Exercise Prescription: Physiological Foundations. A guide for health, sport and exercise professionals. Elsevier, 2006

EXSS5057
Clinical Exercise Science Practicum 2
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Jacqueline Raymond; Ms Elodie Williams; Assoc Prof Nalin Singh **Session:** Semester 2 **Classes:** Introductory lectures; minimum of 15hrs/ week (approx.200 hours) Commitment: 4 X .5days (within 9-5pm) **Prerequisites:** EXSS5029 Exercise Metabolism and Physiology **Prohibitions:** Discipline permission required for enrolment **Assumed knowledge:** Information contained in ACSM's Guidelines for Exercise Testing and Prescription (7th Edition). Lippincott Williams & Wilkins, 2006 **Assessment:** Case management reports; Practical competency exam **Practical field work:** 200 hours off campus at clinical sites **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Hlth Sc (Ex&Sp Sc), M Ex & Sp Sc (Clin Ex Sc).

The student will continue clinical placements specifically in the area of complex and chronic medical conditions. This Unit is designed to provide students with the opportunity to learn and demonstrate the

skills and attributes required for exercise testing and prescription for populations with cardiovascular, pulmonary, metabolic, orthopaedic, musculoskeletal, neuromuscular and/or immunological disease/disability.

Textbooks

ACSM's Resource for Clinical Exercise Physiology (1st Edition). Lippincott Williams & Wilkins, 2002;
Woolf-May, K. Exercise Prescription: Physiological Foundations. A guide for health, sport and exercise professionals. Elsevier, 2006.

University postgraduate units of study – F

FCNU5012
Epidemiology in Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Two short answer activities, critique of two papers, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Offered in the flexible mode.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit of study focuses on the principles and methods of epidemiology from a nursing perspective. This focus includes the health/illness of population groups, for example the health of indigenous populations. Concepts of epidemiology including the natural history of disease, levels of prevention and causality are explored. Common epidemiological methods are examined and the relevance of epidemiological research findings to nursing practice is considered. The student's ability to critically appraise the literature will be enhanced by studying this unit. Information from this unit may form a part of a professional portfolio for students.

FCNU5013
Interpersonal Relations in Clinical Env
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Written Project, Written Workplace Project, WebCT Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Offered in the flexible mode.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit of study focuses on professional and interpersonal relationships among professionals, patients, relatives and others. Particular attention is paid to relationships in areas of high stress, potential conflict, potential burnout, harassment and emotionality. Potential and actual effects on staff wellbeing and patient care are explored. Issues that are addressed include conflict and conflict resolution, stress and stressful relationships, managing stress and emotionality, harassment, burnout and discrimination.

FCNU5037
History of Ideas in Midwifery
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive, residential schools **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Offered in the flexible mode.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Ger N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M Int Care N, M Int Care N (Hons), M M Hlth N, M M Hlth N.

The origins of the midwife will be explored with particular reference to the political, industrial, scholarly debates and assumptions surrounding the nature of knowledge and knowledge making in midwifery and health care. Trends and influences that have shaped, and continue to shape midwifery knowledge and practice will be explored and possible futures discussed. Of particular interest will be the impact of postmodernism, the increasing use of technologies in midwifery and new forms of information gathering and usage.

FCNU5039
Midwifery Reading Topic
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** assigments **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Offered by distance education.

The reading topic provides students with the opportunity to examine the literature on a defined midwifery topic of their choice. The Head of Department will appoint an appropriate academic mentor for the midwifery topic. The student is expected to pursue their investigation as an independent scholar under the guidance of the mentor and to prepare a scholarly paper as a result of their investigation of the literature.

FCNU5050
Mental Health Assessment & Interventions
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Three essays **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit of study is designed to provide students with an opportunity to analyse the socio-political context of mental health nursing and to develop skills in mental health assessment and acute intervention for people with mental health problems.

FINC5001
Capital Markets and Corporate Finance
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Assessment:** Perdisco on-line workbook; Mid semester-test; Major assignment; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, Grad Dip Ec, M Bus, M Com, M P Acc, M Ec, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit provides an introduction to basic concepts in corporate finance and capital markets. It is designed to equip students to undertake further studies in finance. After reviewing some very basic ideas in finance and financial mathematics, the unit provides a thorough treatment of the valuation of equity, debt and companies. The unit then examines issues related to pricing in capital markets and ends with a discussion of theory and practice related to capital structure and dividend policy.

FINC6000
Quantitative Finance
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prohibitions:** FINC5002 **Assessment:** Mid Semester exam; Major project; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Com (Hons), M Ec, PG Coursework Exchange.

The principle objective of this unit is to provide students with an advanced mathematical treatment of basic theoretical and analytical concepts in corporate finance. Students are exposed to key areas in the modern theory of finance and corporate financial policy with

specific emphasis on their development and treatment from rigorous mathematical and statistical foundations. Upon completion of the unit, the students should have acquired a theoretical and practical understanding of basic principles underpinning financial valuation and analysis; utility theory and choice under uncertainty; theory of portfolio selection; asset pricing theory and market efficiency; and the pricing of derivative contracts and instruments.

FINC6001
Intermediate Corporate Finance
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** Semester Test 1; Semester Test 2 ; Final Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Ec, M Bus, M Ec, PG Coursework Exchange.

This unit extends some of the fundamental concepts introduced in FINC5001 Capital Markets and Corporate Finance, and develops a rigorous framework for the analysis and understanding of key aspects of corporate financial decision making. Fundamental concepts in corporate finance are extended to more complex settings. The unit extends prior work on portfolio theory and examines more advanced approaches to asset pricing and capital budgeting. New topics are covered in relation to derivative securities and real options applications in capital budgeting. The issues of the cost of capital, corporate capital structure, and corporate dividend policy, are extended to cover the interaction of corporate and personal taxation, agency problems, and information signaling.

FINC6003
Broking and Market Making
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 or FINC5002 or FINC6000 **Assessment:** Individual article annotation; Mid-semester exam; Major assignment; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

Broking and Market making is a unit of study that specialises in these particular areas of the financial services industry. Financial intermediaries have a crucial role for the function of capital markets and they are also the most likely employers of finance students. In this unit we start with the theory on: what the functions of brokers and market makers are, what their sources of income are, how they help to make market more efficient and when their actions lower market quality. We then move on to investigate the academic research literature that specialises on issues important to these financial intermediaries. Starting with the rich literature on dealer markets, we will particularly focus on recent research on price formation, information dissemination and trading in limit order book markets that are becoming the market design of choice. We will also look in detail at the recent phenomena of fragmentation of markets, order preferencing and internalisation.

FINC6005
Advanced Asset Pricing
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 or FINC5002 or FINC6000 **Assessment:** In class test 1 10%; In class test 2 20% ; In class test 3 20%; Final examination 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This unit covers the fundamentals of asset pricing and valuation, relevant time series representations of financial variables, arbitrage restrictions, interest rate and foreign exchange derivatives, exotic and path dependent options, value at risk, as well as some exemplifying case studies.

FINC6007
Financial Strategy
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** Case presentations; Final examination; Class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This unit aims to provide a much richer set of insights about how to use financial, competitive and corporate strategies to enhance the cash-flow of the firm and hence its value. The theoretical underpinnings of the approach come from treating executives as the agents of the principal, namely shareholders. These financial and corporate strategies include getting the structure of the organisation right and correctly measuring the value-added by the enterprise after deducting all inputs including capital inputs. It is also crucial to gain an understanding of the foundations of strategy, which come from the "Game Theory".

FINC6009
Portfolio Theory and its Applications
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 or FINC5002 or FINC6000 **Assessment:** Mid semester 25%; PME report 25%; Final examination 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This unit is an introduction to mathematical optimisation techniques in the presence of uncertainty. Utility-independent approaches to the modelling of risk and return, proceeding to Markowitz, Capital Asset Pricing and Arbitrage Pricing Models.

FINC6010
Derivative Securities
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 or FINC5002 or FINC6000 **Assessment:** Applied Project: Group Assignment; Assignment Presentation; Mid-semester test; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This unit provides an introduction to the rapidly-growing area of options, futures and swaps. These securities are all derived from fundamental securities such as equities and bonds. The unit examines the nature of each of these securities in turn before a thorough treatment of the pricing and use of these securities for investment management and risk management purposes.

FINC6013
International Business Finance
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** Intra-semester test 1; Intra-semester test 2; Group project; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert US Stud, Grad Dip Com, M Bus, M Ec, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

In our highly globalised and integrated world economy, understanding vital international dimensions of financial management is becoming increasingly essential for firms and businesses. This unit seeks to provide a greater understanding of the fundamental concepts and the tools necessary for effective financial decision making by business enterprises, within such a global setting.

FINC6014
Fixed Income Securities
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** Group project; Mid-semester test; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This unit covers the basic concepts and issues in fixed income securities, bond portfolio analysis and closely related financial instruments in risk management. The unit begins with the basic analytical framework necessary to understand the pricing of bonds and their investment characteristics (introducing fundamental concepts such as duration, yield and term structure). Sectors of the debt market including treasury securities, corporate bonds, mortgage-backed securities, and convertible bonds are analysed. The use of derivatives and a selection of special topics in Fixed Incomes are also discussed.

FINC6015
Global Trading
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** Mid-semester exam; Assignment; Class participation; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, M Int Bus, PG Coursework Exchange.

Global Trading is concerned with the processes which turn orders into trades in securities markets, and the forces which mould and effect both order flow and order execution. This unit of study is an introduction to fundamental market design and structure ideas. The increased worldwide emphasis on capital markets and stock exchanges have brought the market microstructure specialisation of financial economics into the limelight. Global Trading will provide insights into how we with the help of securities market microstructure can gain a better understanding of today's global financial markets; to be able to make better financing and investment decisions, to understand when, where and how to transact in financial instruments and how to make better use of the ever increasing flow of market information. As we increase our intuitive familiarity with today's diverse financial markets we are able to develop successful trading strategies in different instruments and across many markets, today and in the future.

FINC6016
Financial Instruments and Markets
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** 1 x 3hr theory exam; Project; Mid-semester exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This unit provides students with an introduction to Australian financial markets and an evaluation of the institutions, instruments and participants involved in the industry. The main markets evaluated include the equity, money, bond, futures, options, and foreign exchange markets. The relationship between the economic environment and these markets is examined. The unit is designed to meet the ASIC "Generic knowledge" requirements under Policy Statement 146 for the licensing of Product Advisers (subject to approval). This unit also provides an overview of a number of other units which are offered in the postgraduate program.

FINC6017
Mergers and Acquisitions
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Prohibitions:** ACCT6011 **Assessment:** 1 x 3hr final exam; Project; Class participation and homework **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

Mergers and acquisitions have become perhaps the most important activity of investment banks today. They are fundamental tools for businesses to secure growth. To analyse mergers and acquisitions, most tools from modern financial economics are needed. The unit commences with a review of how existing businesses are valued; continues to analyse capital structure decisions and management incentive issues, corporate control, and then moves on to look at the motives for mergers and acquisitions. Some acquisitions are motivated by value improvements created by correcting incentive problems, many bad acquisitions however are motivated by bad incentives that decreased value.

FINC6019
Financial Modelling
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** FINC5002 or FINC6000 **Assessment:** Laboratory task; Group assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

It is important for practitioners of finance, at all levels, to be able to evaluate the applicability of a range of models for a given problem and to effectively implement and use the model that is selected. This unit will present methods for model design, implementation and evaluation in the context two fundamental financial models; the discounted cash flow valuation model and the portfolio selection model. Spreadsheet engineering methods for designing, building, and testing spreadsheet models and for performing model-based analysis will be presented. There will be a concise coverage of optimization, sensitivity analysis and simulation featuring a strong spreadsheet orientation and a modeling emphasis.

FINC6021
Corporate Valuation
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** 1 x 3hr theory exam; Project; Mid-semester exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, PG Coursework Exchange.

This subject unit applies all aspects of finance theory to the general problem of valuing companies and other financial assets. This requires a synthesis of the fundamental concepts of present value, cost of capital, security valuation, asset pricing models, optimal capital structures, derivative pricing and some related accounting concepts. The subject aims to reach a level of practical application that allows students to understand both the theoretical frameworks and institutional conventions of real world corporate valuations. Basic valuation concepts from accounting will be reconciled with the finance theory on which firm value ultimately stands. Students will be asked to make extensive use of Excel or similar software in valuation exercises.

FINC6022
Behavioural Finance
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** FINC5001 **Assessment:** Mid-term exam; Group assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Ec, M Ec (Soc Sc), PG Coursework Exchange.

Behavioural finance examines how individual financial decision making and behaviour affect outcomes in financial markets. The subject begins with a review of the foundations of efficient markets, and then draws comparisons between the efficient ("economically rational") market and the less understood but possibly more realistic behavioural ("partially rational" or "irrational") understanding of markets. The philosophy of the subject is that both viewpoints have advantages and each adds something new to our understanding of investor behaviour, both at the level of individual traders and at the level of the market interpreted as a mechanism for aggregating opinion and attitudes to risk.

FINC7001
Finance Honours A

Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

FINC7002
Finance Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

FINC7011
Quantitative Finance Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

FINC7012
Quantitative Finance Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

FRNC5902
The Literary World of Medieval France
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Euro Stud, M A, PG Coursework Exchange.

Both Old French and Old Provencal texts in translation will figure as a basis for a survey of the literary production of France from the 12th to the 15th century. Hagiographic, epic, lyric and romance genres will be included, as well as the comic genres, represented by fabliaux, Roman de Renard and farces.

FRNC5903
Minorities in French Cinema
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1 x 2,000 word essay + 1 class presentation (1,800-2,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert F S, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, M Litt, PG Coursework Exchange.

Since the 1990s there has been a renewed interest in the representation of marginalised social groups in French cinema. This seminar will examine this new tendency of French cinema and will explore, through detailed film analyses, the way film-makers are engaging with the problems of social exclusion and marginalisation in their films. A variety of films will be examined and students will be introduced to French film theories.

FRNC6914
Memoire Culturelle Dans Le Roman
Arts

Credit points: 6 **Teacher/Coordinator:** Professor Margaret Sankey **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Class work, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, M A.

The course will explore the representation of time and space in contemporary French fiction, using the ideas of Ricoeur (Temps et récit), Durand (Les Structures anthropologiques de l'imaginaire) and Nora (Les Lieux de mémoire), and focussing on the ways in which writers seek to recuperate and "explain" the inexplicable past that is the Second World War.

Textbooks
Modiano, La Place de l'Etoile (Folio).
Modiano, Dora Bruder, (Folio).
Perec, G. W. ou le Souvenir d'enfance.
Tournier, Le Roi des Aulnes (Folio).
Duras, La Douleur (POL).

FRNC6924
Advanced Practical Language A
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000 words written work equiv **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, M Litt, PG Coursework Exchange.

Detailed consideration of the problems of written expression in French and of analysis of written texts. Particular attention will be paid to the development of skills associated with dissertation and thesis writing.

Textbooks
M. Royer, F. Grauby, 'Recherche: Mode d'emploi' (French-Australian Research Centre)

University postgraduate units of study – G

GCST5901
Sport, Media and Gendered Cultures
Arts

Credit points: 6 **Teacher/Coordinator:** Dr M Moller & Dr C Evers **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words (case studies) + in class presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Lib Stud, Grad Cert Media Prac, Grad Dip Arts, Grad Dip Media Prac, M A, M Media Prac, PG Coursework Exchange.

The recent rash of (male) professional athletes behaving badly raises questions about the nature of sporting culture. Understanding the nexus of sex, money, sport and gender requires investigation into the ways in which sport has been equated with national values, its role in the media, and the relationship between gender and sport. In this unit students will be introduced to theories about sport and gender, sport and spectacle, and analyses of fandom. Students will develop case studies about particular areas of sporting cultures.

GCST5902
Natures and Cultures of Bodies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words (case studies) + in class presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Dip Arts, M A, M Media Prac, PG Coursework Exchange.

This unit uses an interdisciplinary range of theories to explore different facets of embodiment. The body is studied as a site of cultural inscription and practice, a social phenomenon, and an experienced reality. The unit combines theoretical approaches with case studies of a range of body practices, cultures and subcultures. Topics studied will vary according to student interest, but may include such things as: body modification; bodybuilding; alternative therapies; cosmetic surgery; gym culture; dieting; manners.

GCST5903
Teaching Society and Culture
Arts

Credit points: 6 **Session:** Summer Late **Classes:** 2 hours per week equiv (Summer School intensive 8 - 24 January 2008) **Assessment:** 2 x 500 word papers (20%); 2000 word research project (40%); 2000 word essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert HSC English, Grad Dip Arts, M A, PG Coursework Exchange, PG Summer/Winter School.

This unit will overview key issues and recent developments in teaching "Society and Culture" focusing on NSW high school curricula. It will provide teachers in this area, and related areas at tertiary level, with the latest skills and tools, with opportunities for practising those skills and reflecting on their pedagogical practice and will place these developments in a contemporary interdisciplinary scholarly context. The unit will be taught by specialists in anthropology, cultural studies, gender studies, media and communications, and sociology.

GCST5904
Youth: Idea, Image, Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Driscoll **Session:** Winter Main **Classes:** 2 hours per week equiv (Winter School intensive) **Assessment:** Online journal 1500 words equiv (40%); 2 x 500 word papers (20%); 2500 word essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert HSC English, Grad Dip Arts, M A, PG Coursework Exchange, PG Summer/Winter School.

This unit teaches effective use of some key tools of contemporary cultural analysis using the example of images of and ideas about youth as a focus. It considers the application of cultural theory and textual analysis to a range of cultural forms and practices. Examples are drawn from film, popular music, literature, media and "subcultures". Students take an intensive online course followed by an extended period to develop a final essay in consultation with a tutor.

GCST6903
Debates in Cultural Studies
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 500 word seminar paper/presentation; 2000 word essay; 2500 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert HSC English, Grad Dip Arts, M A, PG Coursework Exchange.

This unit explores key debates in cultural studies as an exploration of its core concepts. Unit content will vary from year to year in response to current issues in Australian cultural studies, but will also cover foundational debates in the discipline, including the relation between ideology and mass culture, between taste and habitus, and between changing media technologies and models of subjectivity. It will also consider ethical debates over theory and practice and the institutionalization of cultural studies.

GCST6905
Philosophy in the Feminine
Arts

Credit points: 6 **Teacher/Coordinator:** Dr L Secomb **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 1000 word essay (25%); 2500 word research project (60%); 500 word seminar paper/presentation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert HSC English, Grad Dip Arts, M A, PG Coursework Exchange.

What is the relation between femininity, masculinity and the human? Does sexual difference affect our identity? Does it affect our relations with others? Is there any link between cultural and racial difference and sexual difference? Where does equality fit into all this? Drawing on the work of recent feminist philosophers this unit examines philosophical and psychoanalytic representations of femininity, the issue of embodiment, and how sex and race are articulated within the concepts of otherness and the stranger.

GEOG5001
Geographic Information Science A
Science

Credit points: 6 **Teacher/Coordinator:** Dr David Chapman **Session:** Semester 1, Semester 2 **Classes:** Six workshops. **Assessment:** Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), M Envi Sci Law, PG Coursework Exchange.

This unit of study gives an overview of basic spatial data models, and enables students to understand the import and export of data to and from a geographical information system (GIS). The manipulation of spatial data at a level appropriate to planning or locational applications, and the development of thematic maps from diverse data layers, will be addressed.

GEOG5002
Geographic Information Science B
Science

Credit points: 6 **Teacher/Coordinator:** Dr Eleanor Bruce **Session:** Semester 2 **Classes:** One 2 hour lectures, one 1 hour tutorial, one 3 hour practical per week for 6 weeks. **Assumed knowledge:** GEOG5001 **Assessment:** 2500 word assignment, seminar presentation, tutorial reports, WebCT quiz. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

This course will provide the conceptual background to more advanced GIS analysis applications and spatial reasoning methods in the context of contemporary environmental issues. The course is designed to provide an understanding of spatial analysis techniques available within a GIS environment, explore a diversity of both social and physical environmental applications and address emerging issues in GIS research. A range of topics will be introduced including field based capture of spatial information, spatial data structures, surface modelling, visibility analysis, hydrological modeling, network analysis, spatial data uncertainty and social GIS.

Conceptual material presented in lectures and tutorial workshops will be placed in an applied context through a series of laboratory and field sessions designed to strengthen practical understanding and awareness of GIS methods.

GEOG5003
Environmental Remote Sensing
Science

Credit points: 6 **Session:** Semester 1 **Classes:** 2 one hour lectures and a 4 hour practical per week **Assumed knowledge:** Knowledge or experience equivalent to GEOG5001 (Introduction to GIS) **Assessment:** Assignments, practicals and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

This unit of study provides a comprehensive introduction to the computational manipulation and application of imaging techniques commonly used in environmental management, from the microscopic to macroscopic level. It includes an introduction to the uses of aerial photography and initial training in image analysis using computer-based exercises. The application and interpretation of remote sensing techniques is then covered in computer-based practical exercises that use a mixture of Landsat thematic mapper, Hyper-spectral, airborne radiometric and magnetic databases. The application of processed images in environmental management will be covered through integrated lectures and laboratory exercise, with assignments being done as part of private study time.

GEOG5004
Environmental Mapping and Monitoring
Science

Credit points: 6 **Teacher/Coordinator:** Dr Peter Cowell **Session:** Semester 2 **Classes:** 2 hours of lectures and one three hour practical per week. **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

The unit introduces methods associated with acquiring data in the field and examines issues associated with application of spatial data to environmental monitoring, terrain mapping and geocomputing. Students will learn both theoretically and practically how environmental data is collected using different remote sensing techniques, (pre)processing methods of integrating data in a GIS environment and the role of spatial data in understanding landscape processes and quantifying environmental change.

GEOG5005
Spacial Science Research Project
Science

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Regular meetings with supervisor **Assessment:** Written thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Cert Appl Sc (S I S), Grad Dip Appl Sc (S I S), M Appl Sc (S I S).

This unit provides students with an opportunity for research and in-depth inquiry in a spatial science topic of interest allowing students to further extend their knowledge or theoretical and conceptual material presented in other units. The research topic will be arranged between the student and supervisor and must have a spatial science focus. Potential topics range from modeling coastal impacts of predicted sea level rise, applying remote sensing in vegetation change detection to the spatial modeling of public transport accessibility. The project topic may involve a spatial modeling or field component, or may be entirely literature-based.

GEOS5501
Human Rights and the Environment
Science

Credit points: 6 **Teacher/Coordinator:** Dr Robert Fisher **Session:** Semester 2 **Classes:** One 1-hour lecture per week, one 2-hour tutorial per week and 4-hours per week personal study **Assessment:** 3000 word essay 70%, Seminar paper 30% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R, PG Coursework Study Abroad.

This core unit of study addresses the nexus between human rights and the environment. The unit has a geographical focus on Australia and the Asia-Pacific region. Human rights and environmental concerns intersect in diverse and complex ways. Rights to a healthy environment and rights to resources forge a common cause between human rights advocates and environmental activists. Projects such as dams and mines have on-site and wider environmental impacts that displace marginal groups and impact on their rights to livelihood. On the other hand, creation of protected areas and other forms of environmental protection that alienate indigenous and other groups from their customary land and livelihoods create an uneasy relationship between human rights and environmental movements. Public and private access to urban space is also bound up with rights around race, sexuality and class. There are also human rights issues associated with climate change, the fate of South Pacific islands and environmental refugees. The unit of study deals with the human rights -- environment nexus around such themes through a series of lectures, seminars and case study based assignment work.

GOVT5001
Business, Government and Society
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Prohibitions:** GOVT6001 **Assessment:** Case Analysis Memorandum; On-line participation; Research Paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a core unit of study for the Commerce programs and a compulsory prerequisite for the Business and Society major in the Business and Commerce programs.

Associated degrees: Grad Cert Com, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int Bus, Grad Cert P A, Grad Cert P P, Grad Dip Com, M Bus, M Com (Hons), M Ec (Soc Sc), PG Coursework Exchange.

'Business, Government and Society' is a foundation unit aiming to examine all internal and external environmental factors in the non-market environment of the modern business organisation. Business is the collection of private, commercially oriented organisations whereas Society is the groupings of people that set the context in which Business operates. Understanding the relationship between business and society is vital for managing in the large corporation. Business is part of the social, ethical and political context contributing to affluence and education, societal awareness, social entitlements, environmental and ethical standards. However, Business is often criticised for following, not leading, social change and corrupting, not enhancing, social ethics. What, then, is the role of modern business in society? This unit demonstrates that Business is both impacted on, and responsive to, issues in Society. The impacts occur through changes in social values and ethics, stakeholder

demands, regulatory change and globalisation. Further, Business responds to societal changes through media ownership, corporate sport, the supply and pricing of drugs, production of clean automobiles and broader pressures for Free Trade, regulatory review and public affairs. The way Business manages these impacts, and responds in a socially acceptable way, will determine its corporate reputation and market success.

GOVT6103
Australia in Diplomacy, Defence & Trade
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Assessment:** Agency Reports and Ministerial Briefing Paper; Group Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert Int Sec, Grad Cert P P, M A L P, M Ec (Soc Sc), M I L, PG Coursework Exchange.

This unit examines Australia's external relations through its foreign, defence and trade policies from Federation until today. It will begin with an overview of the theoretical tools for studying foreign policy and the institutions of Australia's external relations. Following an examination of 'Continuity and Change' in Australia's foreign, defence and trade policies over the past millennium, key regional and international relationships will be analysed and the questions of national borders and international legal obligations examined. The final weeks of the unit will consider Australia's response to contemporary global issues such as the 'War on Terror'; the environment; nuclear affairs; and Australia in the global economy.

GOVT6108
Development Dilemmas in Southeast Asia
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Short written assessment; Analytical essay/report; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Asian Stud, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, M Com, M Ec (Soc Sc), PG Coursework Exchange.

Southeast Asia's economic experiences and socio-political challenges will be examined within an historical and comparative context in order to better appreciate the economic continuities, understand the major socio-political dilemmas and changing patterns of development. Themes such as the significance of colonialism on post-colonial economies and polities, role of the state in the national and global economy, causes of the region's high-speed growth in the 1980s and 1990s, subsequent economic downturn and future prospects, changing complexion of foreign investment, significance and operational dynamics of the Overseas Chinese Business Networks, salience of socio-economic and ethnic tensions, contradictions associated with the promotion of open economies within authoritarian political structures, the relationship between economic and political corruption, prominence of political Islam, rise of civil society actors, implications of the national and regional reserve army of labour, efficacy of the Association of Southeast Asian Nations (ASEAN) and the region's economic and security links with Northeast Asia will be analysed.

GOVT6111
Chinese Politics
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Essay, Policy Brief, Policy Brief 'response', Class presentation, Class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Asian Stud, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, M Com, M Ec (Soc Sc), PG Coursework Exchange.

This unit will examine the internal governance of the People's Republic of China and aspects of its external relations. It begins by tracing the emergence of the PRC's political system after 1949, focussing on key features of Maoism and the rationale of Post-Mao reforms. It then considers the remarkable economic, demographic and social changes that have occurred in recent years and how China's government has responded to a range of crucial challenges. In particular the unit will provide critical insights into how concepts like democracy, human rights, civil society and 'rule of law' have developed within the Chinese context. Finally the unit will analyse the impact of 'globalization' on China's political system.

GOVT6115
Media and International Politics
Arts

Credit points: 6 **Session:** Semester 2a **Classes:** Inensive mode **Assessment:** Essay; project; participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert C S, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert US Stud, Grad Dip Com, M Bus, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This course examines the politics of international news. In order to do this it first examines news institutions, the history of the media, news making, and media effects more generally. Then it considers the political economy of the global news industry, the role of news in international conflicts, war and terrorism, and at some emerging international policy issues regarding the media. It will also look comparatively at the role of the media in democratising societies.

GOVT6116
International Organisations
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Essays (theoretical and empirical); Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Dv St, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert P P, Grad Dip Com, Grad Dip P A, M Bus, M Ec (Soc Sc), M I L, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M P Admin, PG Coursework Exchange.

This unit aims to introduce students to how states and other actors in the international arena cooperate to build institutions as a response to common problems. After completing the unit students should be able to analyse contemporary international organisations to see how they work, whose interests they serve, and to what degree they attenuate or enhance the power of sovereign states.

GOVT6117
International Politics of Human Rights
Arts

Credit points: 6 **Session:** Semester 1a **Classes:** Intensive mode, 4 days, 10am to 5pm **Assessment:** Literature Review; Research poject; In-class tests **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: E M P A, Grad Cert C S, Grad Cert Dv St, Grad Cert Ec (Soc Sc) A P E, Grad Cert H R, Grad Cert Int S, Grad Cert P P, Grad Dip Com, Grad Dip P A, M Bus, M Ec (Soc Sc), M I L, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M P S, PG Coursework Exchang.

This unit introduces students to the notion of human rights, outlines international human rights enforcement mechanisms and the application of human rights standards globally. Throughout the course we consider the evolution of human rights and consider questions about the adequacy of existing human rights machinery. We examine criticisms by a range of commentators of the UN and other international rights institutions and discuss alternatives for protecting international human rights. We also look at the role played by Non-Government Organisations in advancing and protecting human rights throughout the world.

GOVT6119
International Security
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Two essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int S, Grad Cert Int Sec, M I L, PG Coursework Exchange.

The study of security lies at the heart of international relations. Traditionally, the study of international security focused on relations between states and their competing political, military and economic interests. However, since the end of the Cold War, international security studies have broadened to encompass such dangers as transnational terrorism, pandemics and environmental degradation. This unit begins by examining the traditional theoretical perspectives used to study security relations between states and concludes by assessing the security challenges that have emerged as a part of the process of globalisation in the post-Cold War period.

GOVT6123
Globalisation and Governance
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Short papers; Essay; In-class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Dv St, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert Lib Stud, Grad Cert P P, Grad Dip Com, Grad Dip Lib Stud, Grad Dip P A, M A L P, M Bus, M Ec (Soc Sc), M I L, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Lib Stud, M P Adm.

It is widely believed that we are entering a new era in which the transborder flows of capital, goods, ideas, and people are rapidly transforming human society. 'Globalisation', many claim, threatens the autonomy of nation-states and erodes the power of national governments to provide social protection and promote the nation's economic prosperity. This unit examines not only the causes and mechanisms of this process, but also assesses its social, economic, and political impacts. The views of radicals, transformationalists, skeptics, and institutionalists are compared and criticised. While globalisation is often viewed as a singular process, trending towards a global society, this unit offers a distinctive approach. Globalisation has uneven and highly differentiated impacts, whether harmful or beneficial, and this unevenness is closely associated with the nature of institutions of governance, at both the domestic and international levels.

GOVT6125
Politics of the World Economy
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Option A: Essay, Final Exam, Policy Brief, Participation; Option B: Three Policy Briefs, Final Exam, Participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Dv St, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert P P, Grad Dip Com, M Bus, M Ec (Soc Sc), M I L, M Int Bus, M Int Bus & Law, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

The objectives of this unit are to introduce students to the various approaches to the key institutions and processes in the areas of production, trade, and finance at the global and regional levels. After completing the unit, students should be able to analyse current international political-economic developments in their historical context and form an informed opinion on contemporary issues. This unit introduces students to the key theoretical approaches and contemporary issues in the discipline of international political economy and the political structuring of the present global economy. The unit focuses on how inter-state cooperation and competition mediated through the main multilateral economic institutions (the WTO, BIS, IMF and World Bank) both constrain and allow global market forces to expand. This is a unit on international politics not international economics. The unit's survey nature means that students are introduced to numerous different issues from the spread of multinational production to offshore banking.

GOVT6127
Research Essay
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Permission required from Postgraduate Coursework Coordinator **Assessment:** 10000 word Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Int S, Grad Cert P P.

This unit consists of a 10,000 word research essay under the guidance of a supervisor from the Discipline. Normally it involves deeper study of a subject which the student has already covered in one of her or his units of study. Entry into this unit is not automatic, and depends partly upon the Discipline's ability to supervise the proposed topic and student's existing knowledge in the area.

GOVT6135
Global Environmental Politics
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Assessment:** Policy review; report; essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert P P, Grad Dip Arts, Grad Dip Com, M A, M A L P, M Bus, M Ec (Soc Sc), M Int S, PG Coursework Exchange.

This unit examines the environment as a political and policy issue. Although relatively recent, the environment has become a full-fledged public policy issue exerting influence in local, national and international arenas. The unit will first focus on the specific features of the policy that influences the capability of contemporary societies to enhance the management of environmental resources and of public goods in general. Second, it discusses the development of environmental policy in Western countries, with a particular emphasis on the European Union. Third, a grid for the analysis of environmental policy will be presented, with a discussion of the main actors (political, institutional and socio-economic) involved in it and of the factors (interests and ideas) influencing their positions. Fourth, the unit briefly discusses environmental conflicts and consensual approaches used for tackling them.

GOVT6136
Asia Pacific Politics
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Assessment:** Option A: Essay, Policy brief, Final exam, Participation; Option B: Three Policy briefs, Final exam, Participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert Int Sec, Grad Cert Media Prac, Grad Dip Arts, Grad Dip Com, M A, M Bus, M Ec (Soc Sc), M I L, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Ex.

This unit is organised around the upsurge in regional economic and security cooperation within East Asia and the more nebulous Asia Pacific in the last 15 years. It also looks at academic efforts to define East Asia and the Asia Pacific as regions. The first part of the unit covers the domestic similarities in East Asia and what these mean for East Asian and Asia-Pacific regionalism. The second part of the unit covers efforts to develop regional institutions like APEC and ASEAN and the role of these institutions in spurring regionalism. While the Asia Pacific and its sub-regions are the focus of the unit, both domestic and global economic and political forces are fully integrated into discussions. The unit provides critical insights into the reasons for the upsurge in regional economic and security cooperation, its likely trajectory and how East Asia and the Asia-Pacific are defined.

GOVT6139
Research Design
Arts

Credit points: 6 **Session:** Semester 2a **Classes:** Intensive **Assessment:** Comparative methods paper; draft research proposal; participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Int S, Grad Cert Int Sec, Grad Cert P P, Grad Dip P A, M P Admin.

This unit will provide students with the fundamentals for constructing and conducting effective research projects in the social sciences. An overview of social science inquiry will be presented through an examination of the diversity in theoretical and methodological approaches used in research. This will include a focus on both primary

research, using interviews and questionnaires, and secondary research, using statistical databases, content analysis and textual analysis. Both quantitative and qualitative methods will be covered in the unit, as will an overview of ethical practices associated with research design. The assessment will be based around constructing practical research projects that can be utilised in both university and workplace-based research.

GOVT6146
International Risk Analysis
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours per week **Assessment:** Seminar Participation, Tutorial Report and Debate Leadership, Essay/Report Workshop, Essay Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Dip Com, M Bus, M Ec (Soc Sc), M Int Bus, PG Coursework Exchange.

This unit is an introduction to theories and applications of risk analysis, with special emphasis on the Asia-Pacific region: including the emerging economies of India, China, South East Asia, and Central Asia and the Pacific. Risk analysis emerged from insurance finance and from industrial safety concerns, and is currently an increasing function of modern commercial and political life, especially in commercial and government enterprises that operate in increasingly complex multi-juridical environments, but also for non-government organisations that engage both businesses and governments in the social process of defining and governing risk. This unit will provide students with a grounding in the background and development of risk analysis and its deployment by international enterprise and public sector agencies, and survey some of the issues engaged with and problems encountered by risk professionals, such as cross-border investment and political risk, state and inter-state regulation, energy security and terrorism, climate change and ecological risk, technological systems and biosecurity. Course work takes the form of group discussion, tutorial papers, and research essays.

GOVT6147
Foundations of International Relations
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Essay; Exam; Tutorial Paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Dip Com, M Bus, M Ec (Soc Sc), M I L, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

This unit will examine the major theoretical approaches to understanding international relations: liberalism; realism; Marxism; the international society ('English') school; constructivism; and, post-modernist and critical theory. It will include the contributions of writers in the classical tradition like Thucydides, Machiavelli, Hobbes and Kant; and those of the 'moderns' like Carr, Morgenthau, Waltz, Keohane, Nye, Bull, Cox and Wendt. The unit will also examine the significance for international relations theory of the end of the Cold War. The unit will conclude with an evaluation of the major 'images' of international relations ('End of History', 'Clash of Civilizations', 'Back to the Future', 'Coming Anarchy', etc.) that have figured in analyses of the post-Cold War world.

GOVT6148
Honours Dissertation Part 1
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of 4 postgraduate units - 80% or above average and written permission from Postgraduate Coursework Coordinator. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int S.

This is part of a 20,000 word dissertation for the Master's Honours degree in International Studies. Entry into this unit is not automatic, and depends partly upon the Discipline's ability to supervise the proposed topic. Candidates must have completed, or be concurrently enrolled in the unit GOVT6139 Research Design. If enrolled full-time, this unit is taken concurrently with GOVT6149. If enrolled part-time, GOVT6149 is taken in the subsequent semester.

GOVT6149
Honours Dissertation Part 2
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** GOVT6148 (if enrolled part-time). **Corequisites:** GOVT6148 (if enrolled full-time). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int S.

This is part of a 20,000 word dissertation for the Master's Honours degree in International Studies. Entry into this unit is not automatic, and depends partly upon the Discipline's ability to supervise the proposed topic. Candidates must have completed, or be concurrently enrolled in unit GOVT6139 Research Design. If enrolled full-time, this unit is taken concurrently with GOVT6148. If enrolled part-time, completion of GOVT6148 is required in order to enrol in this unit.

GOVT6154
Conflict and Peace in the Middle East
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hr seminar per week **Assessment:** Essay/literature reviews; Policy briefs, Essay, Class tests **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int S, Grad Cert Int Sec, M A L P, M Com, M I L, PG Coursework Exchange.

The Middle East has been plagued for more than a century by a series of national, ethnic and religious conflicts, reflecting shifting regional alliances and the unresolved legacy of the collapse of the Ottoman Empire and in turn, the end of colonial rule in the region. Even in the 21st century, some Middle Eastern states continue to struggle, both internally and externally, to establish their legitimacy. This unit examines the causes and manifestation of some of the central conflicts in the region over the past few decades and today. Assessment for the unit will include consideration of political change that might result in a more peaceful future for the region.

GOVT6156
Governance and Civil Society
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Assessment:** Seminar participation; Case study; Research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert P P, Grad Dip Com, M A L P, M Bus, PG Coursework Exchange.

This unit provides an overview of contemporary debates about policy making in democratic states, such as Australia. It examines how 'governance' is constituted by the interaction between the state and civil society. Governance is an emerging area of interest for both government and non-government organisations, and this unit analyses the way these social, economic and political organisations interact to both create public policy agendas and lead to social and political change. The unit covers the configurations of policy communities, political networks and social movements which shape both representative and participatory democratic practice. There is a particular emphasis on understanding the strategies that different political actors adopt.

GOVT6157
Corporate Citizenship
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** 1 essay; 1 case study report; exam; class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert P A, Grad Cert P P, Grad Cert Strat Pr, Grad Dip Com, Grad Dip Media Prac, Grad Dip P A, Grad Dip Stat Pr, M A L P, M Bus, M Ec (Soc Sc), M Media Prac, M P Admin, M Strat P R, PG Coursework Exchange.

This course examines the concept and practice of corporate citizenship - how business takes greater account of its social, environmental and financial impact and relates to stakeholders beyond shareholders. The first part of the course introduces students to the historical and contemporary contexts of corporate citizenship. The second part examines companies' approaches to corporate citizenship in five key dimensions - economic, social, employees, environment and human rights. The third part focuses on current issues around social reporting and accountability and the role of government in corporate citizenship.

GOVT6210
Special Topics in International Studies
Arts

Credit points: 6 **Session:** Summer Main **Classes:** Intensive sessions, 9am-5pm: 7 hours per day, Friday and Saturday for three weeks **Assessment:** Literature Review; Group Project Research and Report; Group Project Presentation; In-class test **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert H R, Grad Cert Int S, Grad Cert US Stud, PG Summer/Winter School.

State Security and Human Rights: This unit focuses on the interrelationship between state security and international human rights in the Post September 11 environment. Using a comparative approach to politics, it encourages students to identify similarities and differences in the response of western liberal governments to the threat of terrorism and to examine how these responses have influenced human rights practices, especially civil and political rights - in each country under review.

GOVT6236
Asia Pacific Politics (D)
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Distance Education **Assessment:** Final essay; two Policy briefs; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Int S, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Int S.

This unit is organised around the upsurge in regional economic and security cooperation within East Asia and the more nebulous Asia Pacific in the last 15 years. It also looks at academic efforts to define East Asia and the Asia Pacific as regions. The first part of the unit covers the domestic similarities in East Asia and what these mean for East Asian and Asia-Pacific regionalism. The second part of the unit covers efforts to develop regional institutions like APEC and ASEAN and the role of these institutions in spurring regionalism. While the Asia Pacific and its sub-regions are the focus of the unit, both domestic and global economic and political forces are fully integrated into discussions. The unit provides critical insights into the reasons for the upsurge in regional economic and security cooperation, its likely trajectory and how East Asia and the Asia-Pacific are defined.

GOVT6247
Foundations of International Relations D
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Distance Education **Assessment:** Short Paper and two essays. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Int S, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Int S.

This unit will examine the major theoretical approaches to understanding international relations: liberalism; realism; Marxism; the international society ('English') school; constructivism; and, post-modernist and critical theory. It will include the contributions of writers in the classical tradition like Thucydides, Machiavelli, Hobbes and Kant; and those of the 'moderns' like Carr, Morgenthau, Waltz, Keohane, Nye, Bull, Cox and Wendt. The unit will also examine the significance for international relations theory of the end of the Cold War. The unit will conclude with an evaluation of the major 'images' of international relations ('End of History', 'Clash of Civilizations', 'Back to the Future', 'Coming Anarchy', etc.) that have figured in analyses of the post-Cold War world.

GOVT6301
Government and Business Ethics
Arts

Credit points: 6 **Session:** Summer Main **Classes:** seminars **Assessment:** Short paper; Long essay; Coursework; Reflective journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert P A, Grad Cert P P, Grad Dip Bus, Grad Dip Com, Grad Dip P A, M A L P, M Bus, M Ec (Soc Sc), M P Admin, PG Summer/Winter School.

You don't have to be sick to get better. We can all learn more about ethics. Most of us, most of the time want to do the right thing. When the pressure is on, it is not always easy to remember that or to figure out what the right thing is. This unit equips students to identify, analyse, and reflect on ethics in professional life.

GOVT6304
Development and World Politics
Arts

Credit points: 6 **Session:** Summer Late **Classes:** Seminars **Assessment:** Three assignments; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int S, PG Summer/Winter School.

Capacity building is a protean concept used by different practitioners in different ways. Yet it has become almost synonymous with development in many discussions within the international development community. This unit will explore some of the questions concerning capacity-building to reduce poverty in countries in the 'South'. These will include: What is 'capacity-building'? How does it differ from Institution building? What are its relations to "improved governance"? What has been the experience of the international development community in trying to create sustainable capacity to meet the MDGs? Is there a consensus about what to do? How do international policy-makers decide between alternatives? The unit will include an analysis of how much has been learned about capacity and development over the last fifty years and how much of that learning has been applied. Further, the unit will examine some policies that governments and non governmental actors have adopted in the past and might adopt in the future. Finally, the unit will pose the question as to what role might individuals take.

GOVT6311
Issues in Public Policy
Arts

Credit points: 6 **Session:** Summer Early **Classes:** Intensive **Assessment:** 1000 word Literature Review (25%); 2000 word Group Policy Analysis Report (30%); Group Policy Analysis Presentation (20%); 2 Hour Exam (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert P A, Grad Cert P P, Grad Dip Com, M A L P, M Bus, M Com, PG Summer/Winter School.

Why do government decision makers focus on some policy problems and ignore others? Why are some proposed courses of action for dealing with a public problem acceptable while others are not? How can an issue retain the interest of government decision makers for long enough for them to take decisive action on it? Why do important issues slip of the policy agenda before being addressed? These are just some of the questions at the core of this unit which focuses specifically on Public Policy Agenda Setting and Agenda Management. The unit outlines the agenda setting process from the time when a policy problem is first identified to the point when government takes action on the issue. It examines the factors involved in this process including the organisation of interest groups around the policy issue; the role of the news media and public opinion; and the actions of key stakeholders including politicians and public servants.

GOVT6312
Issues Management

Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hour seminar per week **Assessment:** Class participation; Group Project; Project paper; Research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert P A, Grad Cert P P, Grad Dip Com, M A L P, M Bus, M Ec (Soc Sc), PG Coursework Exchange.

This course examines the generation and resolution of internal and external issues in public and private organisations. The key focus of the Issues Management course is the interaction of private enterprises with the public environment within which they operate. In particular, the course focuses on the strategies and tactics used to manage stakeholders seeking to shape that operating environment through regulation, media pressure or other means. Topics to be discussed include issues management of stakeholders including shareholders, governments, news media, and interest groups.

The course aims to equip students with an understanding of how issues are managed and the role of the issues manager within the enterprise. Alongside this practical emphasis, the course also aims to place these activities within the frameworks of analysis provided by the academic literature - in particular, agency theory and stakeholder theory.

GOVT6313
Leadership in Theory and Practice
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Assessment:** Short essay; Long essay; Coursework; Reflective journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert P A, Grad Cert P P, Grad Dip Com, M A L P, M Ec (Soc Sc), M P S, PG Coursework Exchange.

'The leader points the way.' Eleanor Roosevelt. Leadership is a story that resolves these questions: What is a leader? What kinds of leaders are there? Is democratic leadership different from other kinds? Is leadership in a local community similar to that in national politics or international politics? Are leaders made or born? Is leadership generic? Is it the same in Europe and Asia? What is the difference between a leader and a manager? This unit reviews and evaluates theories of leadership. Participants' experiences and perceptions of leadership are an important part of the unit.

GOVT6316
Policy Analysis
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour seminar per week **Assessment:** Case study; Essay; Policy Monitoring Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int Sec, Grad Cert P A, Grad Cert P P, Grad Dip Com, M A L P, M Bus, M Ec (Soc Sc), M P S, PG Coursework Exchange.

This unit focuses on the nature of public policy and the processes by which it is produced. Relevant issues are common to all nation states, although they take specific forms in each individual country. First, the unit takes an overview of public policy - dealing with basic themes such as 'What is policy?' through to different approaches to understanding the policy process. These include policy cycles, rationality, interest groups, institutions, and socio-economic interests. Second, it maps out and examines the main components of public policy making: actors, institutions and policy instruments. Third, it focuses on aspects of policy-making processes which often attract a high level of attention from analysts. These include problem definition, agenda setting, decision-taking, policy implementation, policy evaluation and crisis policy-making. Fourth, it examines wider issues in terms of the state and who ultimately holds power over the making and shaping of public policy. Fifth, it focuses specifically on Australia. It examines key issues surrounding Australian policy processes, as well as specific case studies in terms of economic policy and indigenous affairs. Finally, it examines the `bigger pictures' of long term policy trends, and the extent to which national policy making capacities and processes have been affected by globalisation. Assessments offer a large element of flexibility, allowing students to concentrate on areas of particular interest.

GOVT6318
Crises, Disasters and Public Management
Arts

Credit points: 6 **Session:** Semester 1b **Classes:** Intensive **Assessment:** Case Study, Project, Class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert Int Sec, Grad Cert P A, Grad Cert P P, Grad Dip Com, Grad Dip H Pol, Grad Dip P A, M A L P, M Bus, M Ec (Soc Sc), M P Admin, PG Coursework Exchange.

Crises and disasters encompass a range of phenomena. They include natural disasters (hurricanes, floods and tsunamis), terrorist bombings (Bali, New York, Madrid, London), corporate failures (Enron, Worldcom), threats to human and animal welfare (Sars, Foot and Mouth, BSE), critical incidents (rail crashes, aviation accidents, mass shootings), environmental degradation (rain forests, ozone layer), and policy failures (UK Poll Tax, Australian Wheat Board). Some of these are `sudden' crises which arrive on agendas without warning, while others are `creeping' crises - the build-up of many months and often years of problems. The common denominator is that they pose a threat to prevailing patterns of organisational, social, economic and political interaction. It is for this reason that governments and public authorities are at the forefront of dealing with crises and disasters. This Unit of Study focuses on the causes and consequences of crises and disasters, as well as the strengths and weakness of different public policy responses to managing these extra-ordinary phenomena. Teaching and learning is via a combination of lectures, seminars, role play workshops and video case studies.

GOVT6319
Governance and Public Policy Making
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Intensive **Assessment:** Reading Report, Change report, Syndicate work, Individual report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert P A, Grad Cert P P, Grad Dip Com, Grad Dip P A, M A L P, M Bus, M Ec (Soc Sc), M P Admin, PG Coursework Exchange.

The course is focused on two major concepts which are mobilised in the explanation of the way we are governed: 'public policy' and 'governance'. It aims to clarify what is meant by these constructs, and how they can be used in the analysis of governing. It examines the argument that 'governance' denotes a change in the way we are governed, and works through a combination of analytic development and detailed empirical cases to establish the significance of these concepts in both the analysis and the practice of governing.

GOVT6320
Strategic Management and Public Affairs
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Intensive **Assessment:** In-class participation; Case Analysis Memorandum; Case Study Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert P A, Grad Cert Strat Pr, Grad Dip Com, M A L P, M Bus, M Ec (Soc Sc), PG Coursework Exchange.

An examination of the internal relation in a public or private corporation between the Public Affairs Manager and the corporate strategic management and planning processes. Includes analysis of relations between the Public Affairs Manager and line management; Public Affairs Manager and CEO relations; Public Affairs Manager and corporate planning; as well as the Public Affairs Manager's role in monitoring, forecasting, goal setting and implementing strategic policy and business plans.

GOVT6331
International Public Management

Arts

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours per week **Assessment:** Seminar presentation; Seminar paper; Seminar participation; Essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ec (Soc Sc) A P E, Grad Cert Int S, Grad Cert P A, Grad Cert P P, Grad Dip Com, Grad Dip P A, M A L P, M Bus, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M P Admin, PG Coursework Exchange.

This unit uses international literature to: provide an overview of the most significant current international trends in public sector management; evaluate the merits of these developments through explicit comparison and past experience and best practice in Australian organizations; explore the applicability of specific techniques to the local context; critically analyse the forces that have driven the global public management move (such as international agencies and private corporate interests); and encourage students to master both general, system-wide developments as well as best practice specific to their areas of expertise.

GOVT6336
Media Politics
Arts

Credit points: 6 **Session:** Semester 2a **Classes:** Intensive mode **Assessment:** Essay/Project; short papers, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert P A, Grad Cert P P, Grad Cert Strat Pr, M Bus, M Com, PG Coursework Exchange.

This unit will examine the politics of news, the institutional basis and processes of its production and how this influences its content. It will analyse the news media as an area of political conflicts and the consequent interests and strategies of various groups in affecting news content. It will examine the way in which news coverage impacts upon political processes and relationships. It will especially examine the role of the news media in election campaigns, policy formation and scandals. Our primary focus is Australia, but there are some comparisons with other affluent liberal democracies.

GOVT6339
Internship in Public Policy and Affairs
Economics and Business

This unit of study is not available in 2008

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Before undertaking an internship, students should have completed three GOVT 6000 level units including the core units GOVT6316 Policy Analysis and GOVT6139 Research Design (or their equivalents) **Assessment:** Self-directed study module; project plan; research project; reflexive report. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment. Note: Masters students only. Entry into this unit requires permission in writing from the unit coordinator, Dr L. Carson. Enrolment in this unit is strictly limited by the number of available placements and students must complete and personally lodge an enrolment.

Associated degrees: M P A, M P P.

This unit provides masters students with an opportunity to complete a research project while undergoing a professional placement with a government or non-government organisation. It includes preparatory coursework via a study module in policy-making processes, project management and reflective, professional practice. This independent, self-directed learning will be followed by a placement with an organisational partner (20 days or 140 hours) and the completion of a research project on behalf of the partner. Supervision is undertaken by the organisational partner and the internship coordinator. Successful completion of this unit is dependent on the fulfilment of a learning contract that will be jointly negotiated between the internship coordinator, workplace partner and the student. During the completion of the internship, the student will also be required to attend the University for regular supervisory meetings with the internship coordinator. Enrolment in this unit is strictly limited by the number of available placements and students must complete an enrolment application form that is assessed by an external panel.

GOVT6340
Honours Dissertation Part 1
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of 4 postgraduate units - 75% or above average and written permission from Postgraduate Coursework Coordinator **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P P.

This is part of a 20,000 word dissertation for the Master's Honours degree in Public Policy and the Masters Honours degree in Public Affairs. Entry into this unit is not automatic, and depends partly upon the Discipline's ability to supervise the proposed topic. Candidates must have completed, or be concurrently enrolled in unit GOVT6139 Research Design. If enrolled full-time, this unit is taken concurrently with GOVT6341. If enrolled part-time, GOVT6341 is taken in the subsequent semester.

GOVT6341
Honours Dissertation Part 2
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** GOVT6340 (if enrolled part-time). **Corequisites:** GOVT6340 (if enrolled full-time). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P P.

This is part of a 20,000 word dissertation for the Master's Honours degree in Public Policy and the Masters Honours degree in Public Affairs. Entry into this unit is not automatic, and depends partly upon the Discipline's ability to supervise the proposed topic. Candidates must have completed, or be concurrently enrolled in the unit GOVT6139 Research Design. If enrolled full-time, this unit is taken concurrently with GOVT6340. If enrolled part-time, completion of GOVT6340 is required in order to enrol in this unit.

GOVT6342
Spirituality and Governance
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** Intensive. Nine weekdays and two saturdays **Assessment:** Literature Review, Case Study, Reflective Writing **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: This is a new unit in 2008

Associated degrees: Grad Cert Int S, Grad Cert P A, Grad Cert P P, Grad Dip Com, Grad Dip P A, M Bus, M P Admin, PG Coursework Exchange.

This unit examines spirituality as a significant concept for understanding key social forces and trends in the 21st Century. Questions such as the following are asked: Is there a spiritual dimension to good decision making? Why are economists, political scientists and management theorists interested in matters of the spirit? Insights from, and beyond, the major faith traditions are explored to seek answers to these questions. Common themes from the course are drawn together to provide a framework for 'spiritual intelligence'. The unit examines the intersections between spirituality and politics, business and civil society.

GOVT7001
Business and Society Honours A
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

GOVT7002
Business and Society Honours B

Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

GOVT7011
Governance Honours A
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

GOVT7012
Governance Honours B
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

GRKA7001
Classical Greek for Postgraduates I
Arts

Credit points: 6 **Teacher/Coordinator:** Dr S Macalister **Session:** Semester 1 **Classes:** 2 hours per week **Prohibitions:** GRKA1001, GRKA2301 **Assessment:** 1 x 2 hour exam, classwork and weekly assignments (equivalent to 2,500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

The aim of this unit is to provide postgraduate students with a foundation for the Classical Greek language. It caters for postgraduate students in the Ancient World Studies coursework program and others pursuing disciplines for which a knowledge of Classical Greek is valuable or indispensable. The unit uses graded readings, prescribed texts and exercises to teach grammar and the principles of reading with understanding and also to illustrate cultural, social and historical issues.

GRKA7002
Classical Greek for Postgraduates II
Arts

Credit points: 6 **Teacher/Coordinator:** Dr S. Macalister **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** GRKA7001 **Prohibitions:** GRKA1002, GRKA2302, GRKA2312 **Assessment:** 1 x 2 hour exam, exercises, weekly assignments and tests (equivalent to 1,500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit completes the coverage of the essential grammar and reading skills needed for postgraduate study of Classical Greek begun in GRKA7001, and introduces students to unmodified texts.

GRMN6901
German Language Studies 1
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

The aim of this unit is to develop German writing and reading skills to a high level of sophistication. Topics such as the following will be covered: theory and practice of literary translation; advanced morphology and syntax; and stylistics.

GRMN6903
German Literature and Culture 1
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert F S, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

Female figures in German literature from the Enlightenment to Romanticism.

GRMN6904
German Literature and Culture 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Udo Borgert **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

Cyborgs, designer babies, clones, artificial intelligence - today's mass media is crowded with artificial humans. Far from being just a recent phenomenon, the artificial creation of human life is an eternal dream of humankind. This course considers the motif of the artificial human from the early myths (Prometheus, Pygmalion, Golem, etc.) to its manifestations in contemporary literature, including the famous silent film Metropolis. We will analyze a selection of poems dealing with the tradition of this motif (poems by Goethe, Droste-Hülshoff, Dischereit etc.); in addition, we will examine Hoffman's popular romantic story about a young man falling in love with a puppet. Next we will discuss an early socio-critical science fiction movie about the 'woman-machine' Maria, and finally we will be investigating two contemporary works dealing with reproductive cloning and human clones.

GRMN6905
German Literature and Culture 3
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

Film adaptations of German literature.

GSDD5001
Critical Issues-Developmental Disability
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Professor Trevor Parmenter **Session:** Semester 1 **Classes:** Web-based learning; no on-campus attendance required **Assessment:** Contribution to on-line discussion and two minor and one major assignments **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D), PG Coursework Exchange.

As potential leaders in the field of developmental disability, students undertaking this unit will develop a framework for considering the major concepts in the field from a variety of viewpoints. The unit will form the basis for introducing students to effective multidisciplinary

practice. This unit forms a conceptual underpinning for the course and introduces students to basic concepts such as models of disability, classification, etiology, models of intervention and life span issues. Also covered are historical developments, bio psychosocial aspects, (including physical and mental health and family issues), disability legislation and other legal issues such as consent and guardianship. Students will work together in this unit of study in multidisciplinary ways. All students will undertake and satisfactorily complete this core unit in the first semester of enrolment.

GSDD5006
Inquiry Topic
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Professor Trevor Parmenter, Dr Sally Clendon **Session:** Semester 1, Semester 2 **Classes:** Online and distance education, with independent directed study **Assessment:** 6000 word report **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D), PG Coursework Exchange.

The purpose of this unit of study is to provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in developmental disabilities. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

GSDD5007
Communication & Developmental Disability
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Bronwyn Hemsley **Session:** Semester 1 **Classes:** Web-based training; no on-campus attendance required **Assessment:** Participation in online discussion groups (10%), assignments (90%) **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D).

This unit introduces students to the empirical literature on communication issues for people with life long disability. Students will be introduced to the communication issues that impact on the lives of people with life long disability and those who support them, functional communication assessment and intervention strategies, and the importance of multi modal communication systems in facilitating community participation. Adults who use AAC, parents, and clinicians will participate in the design, presentation and evaluation of the unit of study and share their stories that relate to communication issues.

GSDD5009
Dissertation
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Professor Trevor Parmenter, Dr Sally Clendon **Session:** Semester 1, Semester 2 **Classes:** Off campus with independent directed study, online and distance education **Assessment:** 12,000 word dissertation **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D), M Hlth Sc (D D)Hons, PG Coursework Exchange.

The honours dissertation is an extra 12-credit points unit of study in addition to the 48 credit points required to complete the Master of Health Science (Developmental Disability). The honours dissertation is an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

GSDD5013
Community Living
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Roger Stancliffe **Session:** Semester 1 **Classes:** Web-based training; no on-campus attendance required **Assessment:** Individual reports **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D).

This unit provides students with an understanding of contemporary issues in provision of community living services to people with a developmental disability. The unit will be of most benefit to those students who have some experience of developmental disability services. Topics to be covered include: Deinstitutionalisation and community living. Differing approaches to provision of accommodation support in the community, including group homes, supported living, semi-independent living, and co-residency. The funding, legislative and regulatory environment in which community living services currently operate. Quality service provision in community living, with a focus on resident outcomes, and the evaluation and management of quality. Values underpinning community living and quality service. The Active Support Model and quality provision of community living services. Safety, risk management and self-determination. National and international data on provision of community living services.

GSDD5014
Parenting with Developmental Disability
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Mayes **Session:** Semester 1 **Classes:** Web-based training; no on-campus attendance required **Assessment:** Group assignment/presentation and individual report **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D), PG Coursework Exchange.

This unit introduces students to the challenges and achievements typically found in the lives of parents with a devlopmental disability and their children. Students will critically examine 'popular' and professional narratives about, and responses to parents with a developmental disability. Students will become familiar with the empirical literature on parenting with a developmental disability, including but not limited to evidence-based parent education and family support strategies. Students will apply this knowledge to identify service gaps, and opportunities in their own local area to promote the heatlh and wellbeing of families headed by a parent with a developmental disability.

GSDD5015
Physical Health-Developmental Disability
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Seeta Durvasula (Lecturer, Faculty of Medicine) Centre for Developmental Disability Studies **Session:** Semester 2 **Classes:** Web-based training; no on-campus attendance required **Assessment:** Contribution to on-line tutorials and group work and 2 reports **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D).

This unit provides an overview of the main physical health conditions in people with developmental disability. Topics include mortality and life span; genetics of developmental disability, including important syndromes and their relevant features; an examination of major conditions such as epilepsy, sensory impairments, endocrinological disorders, gastro-oesophageal and nutritional problems. A practical, multidisciplinary approach to comprehensive health assessment and management will be considered. Students will also critically review the factors influencing health and health care access in people with developmental disability. Students will have the opportunity to examine a topic of individual interest in further depth.

GSDD5016
Sexuality and Developmental Disability
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Web-based training; no on-campus attendance required **Assumed knowledge:** Knowledge of the structure and function of male and female genitalia and the sexual response cycle; knowledge of and/or experience with people with developmental disability. **Assessment:** Individual report, group report, evidence of group participation in on-line discussion **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (D D), M Hlth Sc (Sexual Hlth), PG Coursework Exchange.

This unit will provide the students with an overview of historical, cultural and sociological perspectives on the sexuality of people with

developmental disability. Students will become aware of the relationships between identity, gender and sexuality and how these are shaped by cultural and societal attitudes and beliefs. Students will explore issues of sexual preferences, knowledge about and decision-making and control over sexuality, sex education and sexual and reproductive health through examination of the life stories of women and men with developmental disability. Students will demonstrate the ability to discuss approaches/programs and formal services in relation to sexuality with people with a developmental disability, their family members, carers or advocates and assist them to understand, appreciate and support the realization of sexuality for people with developmental disability.

GSDD5019
Literacy - Developmental Disability
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Sally Clendon **Session:** Semester 2 **Classes:** Online **Assessment:** Participation in online discussion (10%), assignments (90%) **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (D D), M Hlth Sc (D D).

This unit provides students with an overview of best practices in literacy assessment and instruction, and how these practices can be applied to individuals with developmental disability, particularly those with complex communication needs. The unit focuses on the development of emergent and conventional literacy skills and illustrates the critical role that literacy has to play in assisting individuals with developmental disability to overcome barriers to successful communication, education and participation.

GSOG6001
Policy in Practice: Delivering Value
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Offered in 'intensive semester' mode with seven full days (42 hours) of class contact spread over 10 weeks (incorporating a three-week break for reading, reflection and writing). Face-to-face contact will be complemented by private study, including the co **Assessment:** Public Value Exercise 20%; Policy Brief 30%; Essay 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not undertaking the award courses GDPA, MPAdmin or EMPA must have the permission of the Director, Graduate School of Government, to take this unit of study.

Associated degrees: E M P A, Grad Cert P A, Grad Dip P A, M P Admin.

This unit examines the design, implementation and evaluation of policy in contemporary democracies. Reflecting the varying roles of the public sector - for example, regulator, service provider and law-maker - policy is approached as an exercise that occurs within specific institutional, historical, political and economic contexts rather than an abstract ideal. Through tailored case studies, this unit will explore issue-identification and framing, consultation, decision making, implementation and evaluation.

Government is increasingly understood as a generator of public value, and effective policy is the central mechanism through which public value is delivered. Focusing on practitioner perspectives, the unit explores relevant theoretical and analytical frameworks. Throughout the unit there is an emphasis on the need for policy which is informed by the best available evidence and which, as much as possible, actively engages citizens and builds trust in public institutions and services. National and international policy transfer, the impact of globalisation and the challenges of the information explosion will be considered.

Textbooks
Course reader: Bridgman, P. and G. Davis, Australian Policy Handbook, Allen & Unwin (2004); Bardach, E. A Practical Guide for Policy Analysis, Chatham House 2000

GSOG6002
Public Sector Leadership
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 7 x 8hr classes **Assessment:** Short paper 5-10%, Reflective Journal 30-40%, Long Essay 30-40%, Participation 10-25% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not undertaking the award courses GCPA, GDPA, MPAdmin or EMPA must have the permission of the Director, Graduate School of Government, to take this unit of study.

Associated degrees: E M P A, Grad Cert P A, Grad Dip P A, M P Admin.

Leadership is made by followers and leaders together. It is a story that resolves these questions. What is a leader? What is the difference between leaders and managers? Are leaders made or born? What are the different kinds of leaders? Who follows leaders and why? Is democratic leadership different from other kinds? How is public-sector leadership different from leadership in business or community organisations? Is it different across different cultures? Do men and women lead in the same way? In this unit, we will review and evaluate theories of leadership. Emphasis will be on the application of theories to evidence, including participants' experiences and perceptions of leadership in different contexts. The theme of leaders as facilitators and agents of change will be explored, including real-world examples of what, how and when to make decisions. Similarly, the themes of ethical practice in managing and leading people and shaping organisational culture will be explored.

The focus of this unit will be on how people provide leadership in different circumstances rather than specific policies or programs of particular leaders.

Textbooks
GSOG6002 unit reader

GSOG6003
Strategic Administration
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Professor Geoff Gallop Director Graduate School of Government Professor Ian Marsh, ANZSOG Chair of Public Management, Graduate School of Government **Session:** Semester 2 **Classes:** Offered in 'intensive semester' mode with seven full days (minimum 42 hours) of class contact spread over a 10 week period (incorporating a three-week break for reading, reflection and writing). Face-to-face contact will be complemented by private study **Assessment:** Involves a mix of tasks. First a critical commentary of 2000 words, where the student reviews the 'effects of globalisation and public sector reform' on the practice of public administration. Second a group project (4-5 students) which consists of a verbal presentation in the final days plus lodgement of a resource file. The group project identifies and addresses a current issue in public sector management with appropriate research, documentation and analysis including policy recommendations. Third, an individual research article of 4000 words suitable for publication in a scholarly journal and addressing an aspect of public sector management. Designed to test analytical thinking and to relate theory to practice. **Practical field work:** Most lessons involve exposure to real world case studies and some include practical class exercises with visiting experts. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not enrolled in the GCPA, GDPA or MPAdmin must have the permission of the Director, Graduate School of Government, to undertake this unit of study.

Associated degrees: E M P A, Grad Cert P A, Grad Dip P A, M P Admin.

Designed for advanced practitioners, this unit will explore six key strategic themes in public administration.

The legislative and regulatory frameworks of NSW and other jurisdictions will be reviewed to provide a better understanding of how these affect macro-governance of the public sector. Case studies will be used to illustrate techniques and skills for managing and facilitating policy as well as delivering services within these frameworks. Explanations will be given of different models and techniques for negotiating agency, cross-agency and centre-of-government consultation and decision-making processes.

Various theoretical and applied frameworks for ethics and policy will be examined as well as for personal and corporate responsibility, the political process and managing relationships with ministers.

The notion of the 'contract state' will be reviewed, particularly in the context of designing and executing complex private-sector contracts.

Consideration will be given to the nature and culture of organisations, particularly the ways they manage changes in their work force and workplace that have been introduced in response to external and internal stimuli.

The impact of globalisation, and the response of various public sectors to terrorism will be reviewed as well as the influence these have had on international business dealings and trans-national contracting.

Theories and practical examples will be presented of adjusting to, understanding and anticipating social, political and economic change and its impact.

Textbooks

Aulich, D., Halligan, J. and Nuttley, S. (2001) Australian Handbook of Public Sector Management, Allen & Unwin, Sydney
Davis, G. and Keating, M. (2000) The Future of Governance, Allen & Unwin, Sydney.
Domberger, S. (1998) The Contracting Organisation, Oxford University Press, Oxford.
Nolan, Brendan C. (2001) Public Sector Reform: An International Perspective, Palgrave, Basingstoke.
Rainey, Hal G. (1997) Understanding and Managing Public Organisations, 2nd edn, Jossey Bass, San Francisco.
Hill, M. and P. Hupe (2002) Implementing Public Policy, Sage, London.
Rhodes, R and P. Weller eds (2001) The Changing World of Top Officials: Mandarins or Valets?, Open University Press, Buckingham.

GSOG6004
Managing Public Expenditure
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Kelly **Session:** Semester 2 **Classes:** Offered in 'intensive semester' mode with seven full days (minimum 42 hours) of class contact spread over a 10 week period (incorporating a three-week break for reading, reflection and writing). Face-to-face contact will be complemented by private study **Assessment:** Includes a work journal (50%), research paper (40%), peer assessment (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not undertaking the award courses GCPA, GDPA, MPAdmin or EMPA must have the permission of the Director, Graduate School of Government, to take this unit of study.

Associated degrees: E M P A, Grad Cert P A, Grad Dip P A, M P Admin.

This unit examines contemporary budgeting and financial management practices in Australia and selected comparative jurisdictions (for example, Canada and the United Kingdom) as a continuing site of political, bureaucratic, and parliamentary conflict. In particular, it is framed around the continuing quest to increase the 'rationality' of resource allocation. The unit traces the shift from traditional cash-based financial management to the rise of accrual-based performance budgeting, and examines issues such as the nature of 'budgeting control', the place of non-financial performance information in resource allocation, the consequences of accounting reforms for public accountability and the contested orthodoxy of applying 'market discipline' in budget-dependent government services. Students will review the changing role of central budget agencies, in particular, the influence of the accounting procession, corporate interests and international organisations on the reform agenda. At a practical level the unit provides insight into techniques for budget management and preparation, including the strategies and issues involved in risk management, procuring capital works and managing assets and facilities. The role and application of pricing policy and strategies are addressed in case studies.

GSOG6005
Work Based Project
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Professor David Richmond AO Professor Ian Marsh Professor Geoff Gallop **Session:** Semester 1, Semester 2 **Classes:** Two half-day workshops plus at least two formal meetings with an academic and a work based supervisor are required during the course of the project. Each student will be required to devote in the order of 70 hours over one semester to the Work Based Proj **Assessment:** The Work Based Project is a capstone project - it brings together themes learnt in the previous units of study and allows students to practice the application of theory to a real life situation, problem or issue. While group projects will be encouraged, students are able to undertake individual projects. Groups will ideally consist of members from a variety of government agencies. A project report produced in written format with appropriate supporting material and documentation to aid implementation or progression to approval (eg. draft Cabinet Minute, Ministerial briefing note, internal or external discussion paper etc). For students undertaking individual projects the expected length would be 5,000 words or less, while group projects would be in the range of 10,000 words or less (including supporting and implementation documentation). The project report will include a learning objectives impact analysis (around 250 words) which demonstrates the manner and extent to which the completed project achieves agreed learning objectives. **Practical field work:** The Work Based Project represents a practical application of theories and ideas from the course to a real life issue. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not enrolled in GCPA, GDPA or MPAdmin must have the permission of the Director, Graduate School of Government to undertake this unit of study.

Associated degrees: Grad Cert P A, Grad Dip P A, M P Admin.

A project, undertaken individually or with a group, that results in a written report with appropriate supporting material and documentation to aid implementation or progression to approval (for example, a draft Cabinet Minute, ministerial briefing note, internal or external discussion paper). The report should demonstrate primary research, the development of proposals based on independent research and an in-depth examination of the project theme. For students undertaking individual projects the expected length would be 5000 words or less, while group projects would be 10,000 words or less (including supporting and implementation documentation). The project report (about 250 words) must include a Learning Objectives Impact Analysis that demonstrates the manner and extent to which the completed project achieves the general learning objectives identified below for the Work Based Project unit of study. The project must also demonstrate the application of theory and practice with respect to policy development and the assessment of resource impacts of recommendations or proposed actions. The project report must also demonstrate the use of processes and techniques that engage others in consultation and feedback during the evolution of the report and the project. Each project will be assigned both an academic and work-based supervisor, underpinned by a formal commitment to complete the defined scope of the project. Milestones will be identified with feedback provided as the project develops.

Textbooks

No specific texts are set. Students will draw on a range of reports, files and literature for their specific project.

GSOG6006
Internship Program
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Director, GSG **Session:** Semester 1, Semester 2 **Classes:** Students are expected to spend 20 days working with the host agency and to meet with their academic supervisor at least three times during the semester. **Assessment:** Internship Report (based on reflective journal) 1,000 word report describing and analysing internship including learning objectives impact statement. 20%. Internship Project 10,000 words 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not enrolled in GCPA, GDPA or MPAdmin must have the permission of the Director, Graduate School of Government to undertake this unit of study.

Associated degrees: Grad Dip P A, M P Admin.

The Internship in Public Administration is a capstone project - it brings together themes developed in the first four core units of study (Policy in Practice: Delivering Public Value; Public Sector Leadership; Strategic Administration and Managing Public Expenditure) and allows students to practise the application of theory to a real life situation, problem or issue. The Internship needs to be based on a 'real world' situation and should add value to the sponsoring agency. All Internship Projects require agreement between the student, the sponsoring agency and the Director, GSG. Depending on the nature of the project approval may also be required from the University's Human Research Ethics Committee.

Textbooks

Students will be required to link their main internship task to topics, readings and other resources derived from the teaching and learning experiences of the first four core units and in approving specific projects GSG will have regard to GSG's emerging research program.

GSOG6007
Research Project
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Director, Graduate School of Government ANZSOG Chair of Public Management **Session:** Semester 1, Semester 2 **Classes:** Student will meet with supervisor as required by the approved project plan developed by the student for the Unit and subsequently

approved by the supervisor. **Assessment:** Assessment of the 10,000 word research essay based on an initial submission of a proposal no shorter than 4 pages in length and regular supervisory meetings. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students who are not enrolled in the GCPA, GDPA or MPAdmin must have the permission of the Director, Graduate School of Government, to undertake this unit of study.

Associated degrees: Grad Dip P A, M P Admin.

This unit consists of a 10,000 word research essay under the guidance of a supervisor from GSG. Usually students will use this unit to expand on a topic covered in a core or elective unit. Entry into this unit is not automatic, and requires the student to identify and gain agreement from an available staff member to supervise the proposed topic. The student must demonstrate sufficient existing knowledge in the area based on a combination of previous studies and work experience.

Textbooks

Students will be required to link their research project to topics, readings and other resources derived from the teaching and learning experiences of their core units and in approving specific projects GSG will have particular regard to GSG's emerging research program. Students will also be guided in readings by their supervisor for the project.

University postgraduate units of study – H

HBRW6901
Classical Hebrew for Postgraduates I
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ian Young **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** HBRW1111, HBRW2401 **Assessment:** 1 x 2 hour exam, classwork and weekly assignments (equivalent to 1,500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

The aim of this unit is to provide postgraduate students with a foundation for the Classical Hebrew language. It caters for postgraduate students in the Ancient World Studies program and others pursuing disciplines for which a knowledge of Classical Hebrew is valuable or indispensable. The unit uses Biblical Hebrew texts and grammatical exercises to teach grammar and the principles of translation which are the essential prerequisites for study of related cultural, social and historical issues.

HBRW6902
Classical Hebrew for Postgraduates II
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ian Young **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** HBRW6901 **Prohibitions:** HBRW1112, HBRW2402 **Assessment:** 1 x 2 hour exam, classwork and weekly assignments (equivalent to 1,500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit carries on the work begun in HBRW6901. It completes the coverage of the essential grammar and translation techniques needed for postgraduate study of Classical Hebrew texts.

HERB5550
Integrative Herbal Therapeutics
Pharmacy

Credit points: 6 **Session:** Semester 1 **Classes:** lectures 3 hrs/wk for 11 wks, practicals, tutorials, 3 hrs/wk for 2 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

This unit of study is designed for the healthcare practitioners who would like to extend their understanding in clinical applications of traditional herbal medicines. 'Integration' is the essence of this unit of study, linking and combining the knowledge and practice of Western and traditional medicine in the treatment of common diseases. The unit covers some common chronic diseases, such as hypertension, hyperlipidemia, diabetes, asthma, rheumatism, prostate hypertrophy, menopausal syndrome, depression etc. The disease states based on the symptomology of Western medicines are extended towards the syndrome and holistic model of traditional medicines (Chinese, Western and Ayurvedic).

Textbooks

Quick Access, Professional Guide to Conditions, Herbs & Supplements, Integrative Medicine Communications. 2000.
Braun L & Cohen M. Herbs & Natural Supplements - An Evidence-based Approach. Sydney: Elsevier-Mosby, 2004.
Bumental M (Ed), Herbal Medicine. Expanded Commission E Monographs. Texas: American Botanical Council, 2000.
Mills S & Bone K, Principles and Practice of Phytotherapy - Modern Herbal Medicine, London: Churchill Livingstone, 2000.
Grieves M (1st pub 1931), A Modern Herbal, Surrey, Merchant Book Company, 1973.

HERB5551
Botany and Herbal Chemistry
Pharmacy

Credit points: 6 **Session:** Semester 1 **Classes:** lectures 3 hrs/wk for 12 wks, practicals, tutorials, 3 hrs/wk for 4 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Medicinal botany is the study of the structure, morphology and taxonomy of medicinal plants. The objectives of the subject are to classify and identify medicinal plants, to ensure the safety and quality of herbal medicines by eliminating the confusion of herbal species, and to develop new resources of medicinal plants.

Herbal chemistry comprises the study of extraction and separation, chemical properties, structure determination and biosynthesis pathways of chemical components in herbal medicines. The objective is to use both modern science and technology and traditional theory to study the relationship between chemical components and properties of herbal medicines.

Textbooks

Raven PH, Evert RF, Eichhorn SE. Biology of Plants. W.H. Freeman-Worth Publishers, 1999.
Robinson L. Field Guide to the Native Plants of Sydney. Kangaroo Press, 1998.
Lassak EV, McCarthy T. Australian Medicinal Plants. Reed Books, 1997.
Robbers JE, Speedie JE, and Tyler VE, Pharmacognosy and Pharmabiotechnology. Williams & Wilkins, Lea & Febiger, 1996.
Evans W C . Trease and Evans Pharmacognosy (14th Ed). London: WB Saunders, 1996.
Harborne JB. Phytochemical Methods: a Guide to Modern Techniques of Plant Analysis (3rd Ed). Chapman & Hall, 1998.

HERB5552
Herbal Pharmacology
Pharmacy

Credit points: 6 **Session:** Semester 1 **Classes:** lectures 3 hrs/wk for 12 wks, practicals, tutorials, 3 hrs/wk for 3 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Herbal pharmacology is the study of the function and mechanism of action of herbal medicines with modern scientific methods. The objectives are: to understand pharmacological principles of herbal medicines which will help health-care practitioners to understand the prescribing of herbal medicines effectively; to understand the underlying nature of traditional medical theory; to provide data on pharmacodynamics and toxicology for new herbal products development. This subject will emphasise the pharmacological study of traditional herbal medicines. The pharmacology of each class of drugs is discussed in relation to traditional theories and classification of herbs.

Textbooks

Rang HP, Dale MM, Ritter JM. Pharmacology (4th Ed). Edinburgh: Churchill Livingstone, 1999.
Braun L & Cohen M, Herbs & Natural Supplements - An Evidence-based Approach. Sydney: Elsevier-Mosby, 2004.
Montvale N.J. PDR for Herbal Medicines. Medical Economic, 1998.
Anderson LA, and Phillipson JD. Herbal Medicines: A Guide for Health-Care Professionals. Pharmaceutical Publishing Co, 2002.
Chang HM and But PPH. Pharmacology and Applications of Chinese Materia Medica Vol 1- 2. World Scientific, 1996.

HERB5553
Herbal Regulation and Dispensing

Pharmacy

Credit points: 6 **Session:** Semester 1 **Classes:** lectures 3 hrs/wk for 9 wks, practicals, tutorials, 3 hrs/wk for 2 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

This unit of study covers the government legislation concerning products and practice of complementary medicines. The unit of study will help industry professionals to understand TGA Legislation to ensure that medicinal preparations are of acceptable quality, safety and efficacy, and for health-care practitioners to dispense herbal medicines safely. Topics in this unit of study will include: The Australian Therapeutic Goods Administration; accreditation of complementary medicine practitioners; Registration and Listing of traditional or complementary medicines; GMP of herbal manufacturing; dispensing and quality management of herbal medicines, and quality use of medicines.

Textbooks

Guidelines for the Appropriate Use of Herbal Medicines, World Health Organisation, 1998.
Botanical Medicine: Efficacy, Quality Assurance and Regulation, D Eskinazi, Mark Blumenthal, Norman Farnsworth, Chance W Riggins, Mary Ann Liebert, 1999.
Complementary Medicine and the Law, Julie Stone and Joan Matthews, Oxford University Press, 1996.
Therapeutic Goods Regulations, Australian Government Publishing Service, March 1995, Canberra.

HERB5554
Chinese Medicine and Materia Medica
Pharmacy

Credit points: 6 **Session:** Semester 1 **Classes:** lectures 3 hrs/wk for 13 wks, practicals, tutorials, 3 hrs/wk for 3 wks **Assessment:** lectures 3 hrs/wk for 13 wks; practicals, tutorials, 3 hrs/wk for 3 wks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Basic Chinese medicine includes basic theory and its application in the four diagnosis methods, pattern differentiation methods, treatment principles and methods. The unit of study provides systematic knowledge on Chinese medicine and lays a solid foundation for further study on the materia medica and formulary of Chinese medicine.

Chinese materia medica is the study of basic theory of Chinese materia medica and the origin, collection, property, function, and clinical application of Chinese herbs in Chinese medicine context. It bridges Chinese medicine theory, formulas and clinical practice. It also provides a foundation for modern herbal monographs.

Textbooks

Maciocia G.The Foundations of Chinese Medicine. Churchill Livingstone.1989.
Advanced Text Book of Traditional Chinese Medicine and Pharmacology, Vol 1, State Administration of Traditional Chinese Medicine. New World Press, 1995.
Liu Y, Liu Z. Basic Theory of Traditional Chinese Medicine. ,Academy Press. (Xue Yuan) 1998.
Bensky D, Gamble A. Chinese Herbal Medicine: Materia Medica. Seattle: Eastland Press, 1993.
Advanced Text Book of Traditional Chinese Medicine and Pharmacology, Vol 2, State Administration of Traditional Chinese Medicine, New World Press, 1995.
He X, Zhou J, Yuan X. The Chinese Materia Medica. Xue Yuan: Academy Press, 1998.

HERB5555
Herbal Pharmaceutics and Analysis
Pharmacy

Credit points: 6 **Session:** Semester 2 **Classes:** lectures 3 hrs/wk for 11 wks, practicals, tutorials, 3 hrs/wk for 5 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Pharmaceutical technology of herbal medicines includes the study of formulation theory and manufacturing techniques, quality control and application of herbal products using methods of modern science and technology, combined with traditional medicine theory. The primary objective of pharmaceutical technology of herbal medicines is to formulate herbal medicines into dosage forms, and meet the requirements of quality, efficacy, safety and stability.

Analysis of herbal medicines" is the study of methods of chemical analysis, qualitative and quantitative analysis of chemical components, chemical analysis of formulations. The objectives of this course are to develop an understanding of the underlying principles of the analytical methodology used in identifying and quantifying the main chemical components of herbal medicines, as well as contaminants and impurities, and to become familiar with the concepts of method validation and stability-indicating analysis as applied to herbal substances.

Textbooks

List PH, Schmidt PC. Phytopharmaceutical Technology. Boca Raton: CRC Press Inc, 1989.
Martin A N. Physical Pharmacy. Lea & Febiger, 1993.
Ansel H C. Introduction to Pharmaceutical Dose Forms. Lea & Febiger, 1985.
Aulton M E (ed). Pharmaceutics: The Science of Dosage Form Design. Churchill Livingstone, 1988.
Watson D G. Pharmaceutical Analysis, Churchill Livingstone. London, 1999.
Wagner H, Bladt S, Zgainski EM. Plant Drug Analysis. Berlin: Springer-Verlag, 1984.
Quality Control Methods for Medicinal Plant Materials, Geneva : World Health Organization, 1998.
Witchtl M, Herbal Drugs and Phytochemicals, translated by N Bisset. 1994.

HERB5556
Herbal Toxicology
Pharmacy

Credit points: 6 **Session:** Semester 2 **Classes:** lectures 3 hrs/wk for 7 wks, practicals, tutorials, 3 hrs/wk for 4 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Herbal toxicology deals with the theory and application of toxicology and safety aspects related to the herbal medicine industry and practice. Topics in this unit of study will include: mechanisms of toxicity, toxicological testing, toxicity of plants, adverse reactions, report mechanism for adverse reactions, contraindications and interactions with pharmaceutical drugs, scheduling of pharmaceutical and herbal medicines, list of toxic herbs.

Textbooks

Klaasen CD, Amdur MO & Doull J (eds).Casarett & Doull (eds). Toxicology: the Basic Science Of Poisons, (6th edn), McGraw-Hill. 2001.
McGuffin M, Hobbs C, Upton R, Goldberg A, American Herbal Products Association's Botanical Safety Handbook, (eds). Boca Raton: CRC Press, 1997.
Mills, S. and Bone, K., The Essential Guide to Herbal Safety, Elsevier Churchill Livingstone, 2005.
Brinker F. Herb Contraindications and Drug Interactions (2nd edn). Sandy, Oregon: Eclectic Medical Publications, 1998.

HERB5557
Pharmacognosy
Pharmacy

Credit points: 6 **Session:** Semester 2 **Classes:** lectures 3 hrs/wk for 9 wks, practicals, tutorials, 3 hrs/wk for 3 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Pharmacognosy is the study of natural substances, principally plants, used in medicine. The current subject, pharmacognosy-identification of herbs focuses on the study of herbal identification and quality and development of new herbal resources. It utilizes experience of traditional medicine and theory and methods of modern sciences such as botany, zoology, and chemistry. It studies the origin, characteristics, microscopic characters, chemical components, physical and chemical properties of herbal medicines to ensure the quality of herbal materials and develop new resources.

Textbooks

Evans WC, Saunders WB. Trease and Evans Pharmacognosy (14th Ed). London: 1996.
Montvale, N J. PDR for Herbal Medicines. Medical Economic, 1998.

HERB5558
Clinical Studies and Monographs
Pharmacy

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs/wk for 11 wks, practicals, tutorials, 3 hrs/wk for 4 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

Module 1 covers the the evaluation of clinical studies which refers to the amount of scientific and clinical literature on herbal medicines which is rapidly expanding. This subject will cover the quantitative aspects of study design, the extent and type of use of herbal medicines in world communities, evaluation of methodology of clinical trials, recent developments in clinical trials of herbal medicines in Australia and overseas, literature search training.

Module 2 covers herbal monographs which is the information and application of common herbs and herbal preparations available in Australia. Topics will cover botanic description, traditional usage, chemical composition, pharmacology, therapeutic application, toxicity, clinical trial data, TGA regulatory status, and products in the market.

Textbooks

National Statement on Ethical Conduct in Research Involving Humans, National Health and Medical Research Council, 1999.
Lewith G, Jonas WB, Walach H. Clinical Research in Complementary Therapies, Principles, Problems and Solutions. Churchill Livingstone, 2002.
DeAngelis C. An Introduction to Clinical Research. Oxford University Press.
Iber FL, Riley WA, Murray PJ. Conducting Clinical Trials. Plenum Medical Book Company, 1989.
Montvale NJ, PDR for Herbal Medicines. Medical Economic, 1998.
Braun L & Cohen M. Herbs & Natural Supplements - An Evidence-based Approach. Sydney: Elsevier-Mosby, 2004.
Anderson LA & Phillipson JD. Herbal Medicines: A Guide for Health-Care Professionals. Pharmaceutical Publishing Co, 2002.
Monographs on the Medicinal Uses of Plant Drugs, European Scientific Cooperative on Phytotherapy.
Zhu Y. Chinese Materia Medica, Chemistry, Pharmacology, and Applications.

HERB5559
Chinese Herbal Formulas and Processing
Pharmacy

Credit points: 6 **Session:** Semester 2 **Classes:** lectures 3 hrs/wk for 11 wks, practicals, tutorials, 3 hrs/wk for 3 wks **Assessment:** examinations (50%), assignments (25%), practical work (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H M, Grad Dip H M, M Herb Med, M Pharm (Clin), PG Coursework Exchange.

A formula of Chinese medicine is a preparation of a number of herbs for clinical use according to certain guidelines, on the basis of pattern differentiation and treatment methods. Formulary of Chinese medicine is based on the study of theory and application of formulae of Chinese medicine.

Processing of Chinese medicine is a subject dealing with the theory, history and techniques of processing of Chinese materia medica, and the quality standard of processed herbs and the principles of processing. The objective of processing of Chinese herbal medicines is to maintain the quality of processed herbs, and ensure the safety and clinical efficacy of herbal medicines.

Textbooks

Barolet R & Bensky D. Chinese Herbal Medicine Formulae and Strategies. Eastland Press 1990
Advanced Text Book of Traditional Chinese Medicine and Pharmacology, Vol 2, State Administration of Traditional Chinese Medicine, New World Press, 1995.
Li Q, Liu Z, Jian Y. Formulae of Traditional Chinese Medicine. Academy Press (Xue Yuan), 1998.
Sionneav P. Pao Zhi: An Introduction to the Use of Processed Chinese Medicinals. Blue Poppy Press, 1995.
Whitten G. Herbal Harvest-Commercial Production of Quality Dried Herbs in Australia. Agmedia, 1997.

HERB5560
Dissertation
Pharmacy

Credit points: 12 **Session:** Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Classes:** Weekly meetings with Coordinator and Supervisor. Students are required to spend around 24 hours per week on their project for one semester on a part-time basis. **Assessment:** Research and dissertation of up to 20,000 words, or as a manuscript (approx. 3500 words). The manuscript should match the style and content of a nominated journal. The dissertation or manuscript should be bound and will be sent to two examiners. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Herb Med (Hons).

To be eligible to apply for the Dissertation students need an average weighted mark of at least 65 in 24 credit points of core unit coursework in Semester 1, an average that must be maintained in Semester 2. Approved students are then required to undertake a small supervised research project in herbal medicines and complete a formal Dissertation component. The offer of Dissertation is subject to availability of staff and laboratory space.

Students enrolled in the Master of Herbal Medicines (Honours) will undertake a research project over half (full-time) to one semester (part-time students). This research project will involve a literature review, the development of a research proposal and protocol, obtaining ethics approval, and collection of data, and then preparation of a minor treatise under the supervision of a Faculty Staff.

Supervision will normally involve a one-hour per week meeting with the student's supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major treatise up to 20,000 words documenting an original research endeavour in the area of herbal medicines. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

HIMT5023
Fundamentals of Medical Terminology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Joe Huang **Session:** Semester 2 **Classes:** Web-based; no on-campus attendance required **Assessment:** Assignments and examination **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M, B Hlth Sci, M Rehab Clng, Grad Cert Hlth Sc (Clin Data Mgmt), M D R, M H I, M H I (Hons), M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), M N M, M R T, PG Coursework Exchange.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

HIMT5025
Clinical Trials and Data Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Angelika Lange **Session:** Semester 1 **Classes:** Online delivery **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Clin Data Mgmt), M Hlth Sc (Clin Data Mgmt), PG Coursework Exchange.

This unit will discuss in detail the processes involved in conducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the development of a clinical trial, various design issues including blinding, crossover and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

HIMT5027
Introduction to Epidemiology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Aditi Dey **Session:** Semester 1 **Classes:** Distance education **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Clin Data Mgmt), M D R, M D R (Hons), M H I M, M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), M N M, M N M (Hons), M R T, M R T (Hons), PG Coursework Exchange.

This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

HIMT5048
Information Systems Management I
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Basema Saddik **Session:** Semester 1 **Classes:** Block mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

This unit introduces students to the concepts of health information systems management by means of an integrated study of the nature of health information and its management. Students will examine hospital information systems in the wider context of computers in information management. The major components covered include: patient identification, storage and retrieval systems, retention policies and storage media, discharge analysis and the content and structure of health information systems. Legal aspects related to confidentiality and release of information will also be examined.

Hospital visits to observe and practise skills are a compulsory component of the unit. Students are given the opportunity to perform various tasks in small groups under the supervision of a health information manager. The hospital visits are structured in a way that allow the student to apply the knowledge gained from the lecture material.

HIMT5049
Information Systems Management II
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Basema Saddik **Session:** Semester 2 **Classes:** Block mode **Prerequisites:** HIMT5048 Information Systems Management I **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

In this unit students extend their study of health information systems by focussing on the collection, analysis and reporting of health data. This will include current systems used to collect and report data to government departments and other authorities. Forms design principles and forms management will also be covered. Professional issues will be examined through the discussion of current literature in the field of health information.

HIMT5050
International Disease Classifications A
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities **Assessment:** Assignments and examinations **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, M H I, M H I (Hons), M H I M, M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

This unit is designed to enable the student to classify diseases using ICD-10-AM and procedures using MBS-Extended. It includes the historical development of clinical classification systems and students will make comparisons between ICD-9-CM and ICD-10-AM. The focus of the unit is to develop the student's practical coding skills.

HIMT5051
International Disease Classifications B
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activ **Prerequisites:** HIMT5050 International Disease Classification Systems A **Assessment:** Assignments and examinations **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, M H I, M H I (Hons), M H I M, M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

This unit builds on both theoretical and practical issues studied in HIMT5050 and allows the student the opportunity to code using hospital medical records. The student will also become familiar with computer-assisted coding and indexing systems. Casemix measurement systems will be reviewed in detail.

HIMT5052
Database Management Systems
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Angelika Lange **Session:** Semester 2 **Classes:** Off-campus mode: 4 day block workshop; On-campus mode: block workshop 10x2 hr **Assessment:** Test (20%), report (30%), assignment (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Note: Students enrolling in HIMT5052 by distance mode are required to attend a 5 day workshop during inter-semester break.

Associated degrees: Grad Cert Hlth Sc (Clin Data Mgmt), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

This unit provides a theoretical and practical introduction to relational database management systems. The unit covers systems analysis and design (feasibility studies, entity-relationship modelling, data integrity, and normalisation); languages (SQL, Visual Basic for Applications); database implementation and management (forms, queries, reports and security) in MS Access and FileMaker Pro. Included are current developments in database applications (static and dynamic web reporting, open database connectivity, messaging standards, data mining, data warehousing, object oriented approaches and distributed databases).

HIMT5055
Professional Experience
Health Sciences

Credit points: 2 **Teacher/Coordinator:** Ms Anne Marks **Session:** S2 Late Int **Classes:** 35 hours for 1 week **Assessment:** Placement Report **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M Rehab Clng, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

Professional Experience will be a one-week placement undertaken in December.

HIMT5057
Introduction to Health Informatics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1 **Classes:** Intensive compulsory block mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert I T, Grad Dip I T, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Hlth Informatics), M Inf Tech, PG Coursework Exchange.

This unit introduces the definition of data, information and knowledge as well as what defines a system and a model. National and state information policies will be reviewed and steps in policy formulation, analysis and implementation will be covered. A central focus will be issues relating to privacy, confidentiality, security and the ethical use of health information. This will include discussion of relevant legislation.

HIMT5058
Health Informatics Applications
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities **Assessment:** 1 x 2000 word literature review and 2 x 2000 word assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: Special permission only available to students enrolled in course code SC095.

Associated degrees: B Hlth Sci, M H I, Grad Cert H S M, Grad Cert I T, Grad Dip H S M, Grad Dip I T, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M H S M, M H S M (Hons), M Hlth Sc (Hlth Informatics), M Inf Tech, PG Coursework Exchange.

This unit of study utilizes case study analysis, review of contemporary literature and presentations to explore different health informatics topic areas. Students are provided with the opportunity to develop and enhance their information seeking and critical appraisal skills as they investigate and report on key themes, issues and trends in health informatics. A focus of the unit will be reviewing and investigating current and future technology applications such as: telemedicine and health in the home, web-based applications, cyber-consultations and wireless technology.

HIMT5059
Health Classification Systems
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities **Assessment:** 1 x 1500 word assignment, 1 x 2000 word essay and 1 x 2hr examination **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

This unit introduces the student to the concepts of organising health information in a logical way to interface with an electronic information system. The importance of terminologies such as the Unified Medical Language System will be investigated along with issues related to comparing coding systems, including mapping. A review of the structure of a range of current health classification systems such as International Classification of Diseases (ICD), the Systematised Nomenclature of Medicine (SNOMED), Read Codes, the International Classification of Primary Care (ICPC) and casemix (DRGs, RUGs, AVG) will be undertaken.

HIMT5060
Integration of Health Informatics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities **Assessment:** 3 x 2000 word assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: Special permission only available to students enrolled in course code SC095.

Associated degrees: B Hlth Sci, M H I, Grad Cert I T, Grad Dip I T, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M Hlth Sc (Hlth Informatics), M Inf Tech, PG Coursework Exchange.

This unit aims to provide an understanding of the organizational, people and social issues related to the successful implementation and use of health information systems in health care organizations. In this unit there is an analysis of relevant theories and principles as an understanding of these frameworks is essential for the successful diffusion of health information systems. Information and communication technology integration is challenging as healthcare organizations are complex and diverse with a variety of professionals working within them. This unit will cover issues that are often seen as barriers to information diffusion such as: organisational culture; communication; change management and work flow.

HIMT5061
Dissertation
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1, Semester 2 **Classes:** Off-campus directed independent study (some on-campus attendance may be required.) **Assessment:** Completion of a publishable paper reporting outcome of investigation. **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: M Hlth Sc (Clin Data Mgmt) Hons, M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange.

This unit requires the preparation of a proposal for the conduct of an original investigation of an area of professional relevance and the completion of a publishable paper reporting the results of the investigation.

HIMT5062
Dissertation A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** Supervised research activity with on-campus presentation **Prerequisites:** BACH5341 Research & Inquiry in Health Professions **Assessment:** 1 x 1500 word progress plan and 1 x 20 minute presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M H I, M H I (Hons), M Hlth Sc (Clin Data Mgmt) Hons, M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange.

Honours students will develop a proposal to undertake an investigation in an area of specialised interest in health informatics.

HIMT5063
Dissertation B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 2 **Classes:** Directed independent study (some on-campus attendance may be required). **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: M Hlth Sc (Clin Data Mgmt) Hons, M Hlth Sc (Hlth Informatics) Hons, PG Coursework Exchange.

The dissertation requires the completion of a publishable paper reporting an original investigation of an area of professional relevance.

HIMT5065
Project Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Aditi Dey **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode (4 days, 9am-5pm) **Assessment:** Multiple choice questions/quiz daily in class, 1 x 2000 word case study and 1 x 2500 word workplace portfolio **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: B Hlth Sci, M H I, Grad Cert H S M, Grad Dip H S M, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M H I M, M H S M, M H S M (Hons), M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

This unit covers all the nine knowledge areas of the Australian Project Management competency standards including planning and scheduling, quality, risks and status reporting. Team and people management issues, managing external dependencies and costs are also covered. Workshop groups use exercises based around a case study to apply principles to various situations.

HIMT5066
Advanced Clinical Data Management
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On-line delivery **Prerequisites:** HIMT5025 Clinical Trials and Data Management **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: M Hlth Sc (Clin Data Mgmt), PG Coursework Exchange.

This advanced unit will build on the principles and skills developed in the core unit Clinical Trials and Data Management. A focus will be regulatory, legal and ethical issues in clinical research including GCRP and FDA requirements and NHMRC guidelines.

HIMT5067
Evidence Based Health Care

Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Basema Saddik **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode plus individual and small group independent learning and e-learning activities. **Assessment:** 3 x 2000 word assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M D R, M D R (Hons), M H I, M H I (Hons), M H I M, M Hlth Sc (Clin Data Mgmt), M Hlth Sc (Hlth Informatics), M N M, M N M (Hons), M R T, M R T (Hons), PG Coursework Exchange.

Greater demands are being placed upon health care practitioners and managers to adopt evidence-based practice. This requires a systematic appraisal of the best available evidence. The rapid expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal.

HIMT5069
Health Care Systems
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1, Semester 2 **Classes:** Lecture/lab/tutorial on-campus 2 hrs per week throughout semester (evening classes). **Assessment:** 1x 1500 word essay, 1 x Health Care Game assignment and 1 x 2hr examination **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Hlth Sci, Grad Cert I T, Grad Dip I T, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M H I M, M Hlth Sc (Hlth Informatics), M Hlth Sci, M Inf Tech, PG Coursework Exchange.

This unit provides an introduction to health care systems with an emphasis on the Australian health care system. Topics covered include Commonwealth and State responsibilities for health with a particular focus on funding issues, healthcare expenditure, the structure and organisation of health insurance, health care facilities and the health workforce. The health of the Australian population is considered and compared internationally, and the health of indigenous Australians is reviewed in depth. The unit encourages a critical appraisal of current health arrangements and policies and an appreciation of the pluralistic nature of the health system. Students will participate in the Health Care Game, an interactive web-based program, as part of the unit of study.

HIMT5070
Human Resource Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** Distance education mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M, B Hlth Sci, M Rehab Clng, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

This unit of study focuses on managing the human resources of an organisation. Students explore in depth the individual processes of human resource management and their inter-relationships, including: human resource planning; recruitment; selection; orientation and training; career development and performance appraisal. The unit also covers the industrial relations framework in Australia with particular emphasis on the current workplace focus with enterprise bargaining. The implications of equal employment legislation and affirmative action legislation to the employment relationship are also covered.

HIMT5074
Health Services Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Joanne Callen/Ms Anne Marks **Session:** Semester 1 **Classes:** Block mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

This unit of study explores a range of management theories, perspectives and approaches. Topics covered include the functions of planning, organising, leading and controlling as well as total quality management, change management and organisational communication. The students investigate the relevance and applicability of these management concepts to health services management and undertake critical analyses of contemporary management theories. Students are also encouraged to develop their own skills as managers by applying the relevant management theories.

HIMT5075
Medicolegal Principles and Practice
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** Block mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

This unit introduces students to the legal system in Australia and legal constructs with which managers within the health care system should be familiar. The focus of this unit is on the management of the medico-legal function in an information services department. Topics include patient access to information, medico-legal correspondence, subpoenas and the NSW Health Department Patient Matters Manual. Privacy legislation and standards are also addressed.

HIMT5076
Casemix Measurement Systems
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** Distance education mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert H S M, Grad Dip H S M, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, M H S M, M H S M (Hons), M Hlth Sc (Hlth Informatics), M P S, PG Coursework Exchange.

This unit introduces the student to casemix classification systems which are used by states and territories to fund healthcare services. This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

HIMT5078
Health Sector Financial Management
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Distance education mode **Assessment:** Assignments and examinations **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert H S M, Grad Dip H S M, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, M H S M, M H S M (Hons), PG Coursework Exchange.

In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include basic financial accounting, costing and budgeting with an emphasis on departmental budgeting. Billing and claims processes in the private sector are examined as well as methods of funding used in the public sector. Differences between financial management approaches in the private and public sectors are highlighted.

HIMT5079
Health Informatics Research Project
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. Fieldwork and concurrent e-learning tasks **Prerequisites:** BACH5341 Research & Inquiry in Health Professions **Assessment:** 1 x 1500 word progress plan and 1 x 3000 word final report **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I, M H I (Hons), M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

Students will undertake a research project in health informatics over the course of the semester. Preference is given to real-life health informatics projects being planned or underway in the workplace. Students will be supported to work independently and will make regular reports to key stakeholders on progress. This project will be completed either individually or as part of larger teams. This unit of study will provide opportunities for formal and informal inter-professional learning. E-learning tasks, based around peer support and moderated peer learning, will assist in the extension and deepening of the application of health informatics theory to practice

HIMT5082
Fundamentals of Medical Terminology I
Health Sciences

Credit points: 2 **Teacher/Coordinator:** Dr Aditi Dey **Session:** Semester 1 **Classes:** 2 hr lectures and 1 hr tutorials/wk **Assessment:** test 20%, presentations 20%, 2hr exam 60% **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: M H I M, PG Coursework Exchange.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in the health record, to function within a medical environment through an understanding of the fundamentals of medicine and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology (disease titles, symptomatic terms, surgical terms and investigations).

HIMT5083
Fundamentals of Medical Terminology II
Health Sciences

Credit points: 2 **Teacher/Coordinator:** Dr Aditi Dey **Session:** Semester 1, Semester 2 **Classes:** 2 hr lectures and 1 hr tutorials/wk **Prerequisites:** HIMT5082 Fundamentals of Medical Terminology I (or HIMT5053) **Assessment:** test 20%, presentations 20%, 2hr exam 60% **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M H I M, PG Coursework Exchange.

This unit builds on HIMT5082 Fundamentals of Medical Terminology I through further exploration of medical terms. In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, obstetrics, paediatrics, infectious diseases, oncology, radiotherapy, nuclear medicine, diagnostic procedures and surgical techniques.

HIMT5084
Nosology
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Block mode **Prerequisites:** HIMT5059 Health Classification Systems **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Hlth Informatics), PG Coursework Exchange.

This unit builds on the theoretical knowledge learnt in HIMT5059 Health Classification Systems and compliments the practical skills learnt in HIMT5050 International Disease Classification A and HIMT5051 International Disease Classification B. The unit is aimed at those students who are interested in building their knowledge of the underlying principles of health terminology and classification as distinct from using a classification or terminology system. Students will learn about the various structures of terminologies, with focus on concept-orientated structures developed for electronic health records. Also included are hierarchical and axial structures, semantic relationships, semantic types and networks. Pre and post coordination of health concepts will be covered. Students will learn to maintain the currency of existing clinical terminologies by incorporating new diseases and procedures, removing redundant terms and improving the user interface. Students will also learn to create new clinical terminologies with a focus on creating subsets for specific purposes and health care domains. Practical examples using scenarios and problems from the industry will be drawn from areas such as emergency, outpatients and disability/rehabilitation settings as well as the more developed areas of inpatient and ambulatory care. The topic of mapping is further developed through a more detailed study of approaches such as algorithmic matching, crosswalks, and rating scales. Students will be expected to critique existing evaluation frameworks and apply these in a rigorous evaluation of classification systems.

HIMT5085
Information Systems in Health Care
Health Sciences

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities **Corequisites:** HIMT5086 Health Informatics Principles **Assessment:** 3 x 2000 word assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M, B Hlth Sci, M Rehab Clng, M H I, M H I (Hons).

This unit of study introduces students to the concepts of health information, its management and importance. The unit provides a thorough coverage of concepts, methodologies and techniques available to support patient care processes through the use of information technology. The foundation concepts of data, information and knowledge are introduced as well as definitions of systems and models. International, national and local data collections will be reviewed. Electronic health records, electronic medical records and computerised personal health records will be investigated. Students will gain exposure to a range of systems in use in healthcare including administrative, clinical and financial information systems

HIMT5086
Health Informatics Principles
Health Sciences

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities **Corequisites:** HIMT5085 Information Systems in Healthcare **Assessment:** 2 x 2000 assignments and 1x 2 hr exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M, M H I, M H I (Hons).

This unit introduces students to the concepts and philosophies which are foundations underlying current and future directions of health informatics practice. Concepts to be addressed will include: privacy and security, language and terminologies, standards and interoperability, decision support systems, health informatics specialties such as consumer, nursing and bioinformatics.

HIMT5087
Professional Practice-Health Informatics
Health Sciences

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** On-campus preparation and debriefing. 5 days supervised fieldwork. Additional e-learning tasks and electronic industry links **Assessment:** 100% assessment based on performance, written material, communication skills, organisational skills and professionalism. **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: B Hlth Sci, M H I, M H I, M H I (Hons).

This unit of study will engage students in the process of exploring health informatics in practical settings. Appropriate opportunities to learn within interdisciplinary teams will be available and students will undertake facilitated peer discussions via electronic media. At the completion of this unit of study, students will be able to discuss the capabilities of health informatics specialists, and engage in professional discourse regarding their own learning needs.

HIMT5088
Health Informatics Evaluation

Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Intensive, compulsory block mode (6 x 4 hrs) plus individual and small group independent learning and e-learning activities. **Assessment:** 3 x 2000 word assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, M H I, M H I (Hons).

This unit provides an overview of approaches to evaluating health informatics interventions. A broad range of methods and techniques for measuring the impact that health informatics applications have on the delivery of health services, patient outcomes, health professionals' work and organizational efficiency will be covered. Students will be introduced to theoretical perspectives of evaluation as well gain practical skills in designing evaluation and benefit realization projects. The unit focuses on the use of multi-method models which incorporate both quantitative and qualitative techniques.

HIMT5089
Health Systems Data Analysis
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Combination of lecture/lab/tutorial/online modalities **Prerequisites:** BACH5068 Statistics for Clinical Research **Assessment:** 3 x 2000 word assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: B Hlth Sci, M H I, M H I, M H I (Hons).

This unit of study covers the major health systems databases and how they can be analysed to provide information for strategic planning, ongoing program management, monitoring, evaluation and research purposes. These include different analytical approaches and reporting formats for the different purposes. By working with real data and real problems, students will learn basic tools and methods of data analysis and data mining.

HIMT5090
Dissertation B
Health Sciences

Credit points: 12 **Session:** Semester 2 **Classes:** Supervised research activity with on-campus presentation. **Prerequisites:** HIMT5062 Dissertation A and BACH5341 Research & Enquiry in Health Professions **Assessment:** 1 x 5000 word thesis and 1 x 30 minute presentation. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M H I, M H I (Hons).

During this unit Honours students will complete the investigation begun during HIMT5062 Dissertation A. The student will prepare a written report suitable for submission to a refereed journal for publication. Full details of the requirements for this report can be found in the (Health Informatics) (Honours) Guidelines, Policy and Procedures.

HIMT5091
Professional Experience
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 5 days supervised fieldwork. Addistional e-learning tasks and electronic industry links. **Assessment:** 100% assessment based on performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: B Hlth Sci, M H I, B Hlth Sci, M H I M.

This unit of study will engage students in the process of exploring health informatics in practical settings. The knowledge, skills and competencies required by different health informatics professionals will be examined and discussed.

HPOL5000
History and Practice of Health Policy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Professor Stephen Leeder **Session:** Semester 1 **Classes:** 2x2day workshops, online lectures and discussions **Assessment:** 1x1500word paper (25%), 1x3000word paper (50%), and online learning activities (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert H Pol, Grad Dip H Pol, Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit aims to develop a critical and comparative grasp of the history, theory and practice of health policy and to give an overview of the political choices and frameworks - national and global - that shape policymaking. The unit explores the main structures and institutions that make health policy. The focus is comparative, using Australia as a case study. Students will debate the reform of policy frameworks, raising questions about equity, ethics and the role of socio-economic status over access to health care and priorities of the current system. Australian policy debates will be placed in their broader context by comparing different health systems and assessing global influences. Case studies will be used to examine the relationships between policy and practice.

Textbooks
Robert Blank and Viola Burau: Comparative Health Policy. Palgrave, 2004.

HPOL5001
Understanding Health Systems
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Associate Professor Christine Giles, Dr Stephen Jan **Session:** Semester 1 **Classes:** 2x2day workshops, online discussion **Assessment:** 1x2000 word assignment (40%), 1x 3000 word ssignment (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert H Pol, Grad Dip H Pol, Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit introduces the main concepts and analytical methods of health economics, political economy and finance to examine the workings of health systems in Australia and comparable countries. It looks at the main models of funding used in developed countries and their implications for the structure, planning and delivery of services. The first module focuses on the basic concepts and methodologies of health economics and political economy and their contribution to policy analysis. The second module places funding structures in a broader political and policy context. Topics include the debates over the public-private mix and governance and accountability who makes decisions about funding priorities? To whom should decision makers be held accountable and for what aspects of their work?). The unit will use comparative analysis as well as Australian case studies.

Textbooks
Robert Blank and Viola Burau, Comparative Health Policy. Palgrave, 2004.

HPOL5002
Contemporary Issues in Health Policy
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Stephen Leeder **Session:** Semester 2 **Classes:** 2x1day workshop, 2 seminars, online discussions, supervised policy project **Corequisites:** HPOL5003 **Assessment:** 2xassignments (70%), 2xAustralian Health Policy Institute (AHPI) seminar participation and discussion (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert H Pol, Grad Cert H S M, Grad Dip H Pol, Grad Dip H S M, Grad Dip Int P H, Grad Dip P H, M H S M, M H S M (Hons), M Int P H, M P H.

This unit draws together theoretical and descriptive accounts of policy-making. It aims to enhance understanding of the forces shaping contemporary health policy agendas. The unit focuses on developing practical skills in critical analysis and argument around contentious policy issues. The workshops will be used to develop writing skills and evaluate the how evidence is used in presentation of policy and effective argument. Seminars on Australian and global health issues will be convened by the Australian Health Policy Institute to develop a wider perspective on current policy debates.

Textbooks
Kent Buse, Nicholas Mays and Gillian Walt, Making Health Policy. Open University Press, 2006.

HPOL5003
Analysing Health Policy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Professor Stephen Leeder **Session:** Semester 2 **Classes:** 2x2day workshops, online discussions **Assessment:** 1xtake home exam (50%) and 1x3000 word assignment (50%)

Campus: Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert H Pol, Grad Dip H Pol, Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

The aims of this unit of study are to develop skills for the effective critical appraisal of health policy and to familiarize students with the principles, and limitations, of evidence-based health policy. This unit builds policy analysis and analytical skills by exploring policy design, implementation and evaluation. It examines the frameworks of comparative policy analysis with a systematic study of the methods - and problems - involved in 'policy-borrowing' between nations. It also looks at the methods and limitations of evidence-based health policy and the problems of integrating equity concerns when developing and applying health policy. The day schools will include workshops on the use of epidemiological and social science literature in policy development.

Textbooks

Kent Buse, Nicholas Mays and Gillian Walt, Making health policy. Open University Press, 2006.

HPOL5007
Global Health Policy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie **Session:** Semester 2 **Classes:** block mode 2x2 days and 6x2hr tut or 12hrs online tut **Assessment:** 1x2000wd essay (30%), 1xtutorial or online paper (20%), 1x2500wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert H Pol, Grad Dip H Pol, Grad Dip P H, M H Pol, M Int P H, M P H.

This unit explores the impact of globalization on health policy, and the way in which global health problems, HIV/AIDS and the prevalent chronic diseases, for example, shape policy. The educational goal of the unit is to equip students with skills to appraise critically global health policy proposals and to offer informed advice how these policies may be made more effective. The unit will achieve this goal by doing three things.

First, it will explore new global health threats that transcend national boundaries; especially those whose causes or results transcend the capacity of individual states to influence, avian flu, for example. Second, it will examine the governance of the policy responses, good and poor, that these global health threats evoke. The influence and power of agencies in the United Nations system, including the World Health Organisation and UNICEF, the World Bank, the Gates Foundation and activist organizations such as Médecins sans Frontières, will be examined. Third, teaching will make extensive use of current case studies. The unit will concentrate on less developed countries.

Assessment will allow students to demonstrate their acquisition of skills in global policy, critical analysis and their application to emerging problems.

HSTY5906
Love, Marriage & the Australian Colonies
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000-6000 written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt.

This unit considers the ideology and experience of family, marriage, childhood and parenting in the Australian colonies before 1880. It examines the impact within colonising and indigenous communities of romantic and domestic ideologies, material circumstances and anxieties about the future.

HSTY6915
MA Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Fitzmaurice **Session:** Semester 1, Semester 2 **Corequisites:** HSTY6916 **Assessment:** Research and writing toward a dissertation of 10,000-12,000 words based on original source material - to be completed in HSTY6916 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Candidates undertake research and writing toward a dissertation of 10,000-12,000 words, based on original source material, on an approved topic. Research is carried out under the supervision of an academic member of staff. Prospective candidates should consult the postgraduate coordinator prior to enrolment in order to formulate a topic.

HSTY6916
MA Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Fitzmaurice **Session:** Semester 1, Semester 2 **Corequisites:** HSTY6915 **Assessment:** Completion and submission of a dissertation of 10,000-12,000 words, begun in HSTY6915 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Completion and submission of a dissertation of 10,000-12,000 words on an approved topic. Research and writing are carried out under the supervision of an academic member of staff.

HSTY6962
Treatise Part 1
Arts

Credit points: 12 **Teacher/Coordinator:** Dr Andrew Fitzmaurice and Dr Nicholas Eckstein **Session:** Semester 1, Semester 2 **Corequisites:** HSTY6963 **Assessment:** Research and writing towards a treatise of 20-25,000 words, based on original source materials - to be completed in HSTY6963 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Research and writing towards a treatise of 20-25,000 words, based on original source materials, under the supervision of an academic member of staff. Candidates work on an approved topic - prospective candidates should consult the postgraduate coordinator prior to enrolment in order to formulate a topic.

HSTY6963
Treatise Part 2
Arts

Credit points: 12 **Teacher/Coordinator:** Dr Andrew Fitzmaurice and Dr Nicholas Eckstein **Session:** Semester 1, Semester 2 **Corequisites:** HSTY6962 **Assessment:** Completion and submission of a treatise of 20-25,000 words on an approved topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Completion and submission of a treatise of 20-25,000 words on an approved topic, following satisfactory progress in HSTY6962.

HSTY6975
China in the 20th Century 1949-2000
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, M Litt.

Beginning with the establishment of the People's Republic, this unit examines China's confrontation with the UN and the USA in the Korean War (1951-53) and with the USA again in the Vietnam War (1964-72), while engaging in concurrent conflict with the Soviet Union (1968). During this period, China went from one internal upheaval to another: Land Reforms (1949-51), the Hundred Flowers Movement (1956), the Great Leap Forward (1957-60), and the Cultural Revolution (1966-69). Yet China survived, securing a permanent seat in the UN Security

Council in 1971.The Gang of Four terrorised China until Mao's death in 1976, whereupon Deng Xiaoping, beginning in 1978, reversed all of Mao's policies and set China on the road to capitalism. The unit will trace China's progress to its current extraordinary emerging status as an economic superpower in the 21st century.

HSTY6985
Perspectives on the Italian Renaissance
Arts

Credit points: 6 **Teacher/Coordinator:** Drs N Eckstein and L Marshall, with Prof N Newbigin **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Bibliographical exercise (10%); paleographical exercise (10%); presentation 1500 words (25%); research essay 2500 words (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit explores recent historiographical approaches to the study of the Italian Renaissance. Using the manuscript, printed and electronic resources of the University of Sydney Library, it will introduce the bibliographical and paleographical tools for further research. The unit will provide a comprehensive introduction to Italian Renaissance society and culture and then, through a series of workshop seminars, students will apply these approaches in interdisciplinary areas.

HSTY6987
Writing the Past
Arts

Credit points: 6 **Teacher/Coordinator:** Prof R Waterhouse **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 4,000 word essay: 90%; class participation: 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit offers students an introduction to the way in which historians have constructed their stories about the past. The course sets key texts in historical theory in the context of historical practice. The course traverses different historical fields, including cultural, social and intellectual history. It considers the impact of different ideologies and different social perspectives, including liberalism, Marxism, post-structuralism, gender and post-colonial theory. It examines how history has been shaped by interaction with other disciplines including anthropology and archaeology.

HSTY6992
Monuments and History
Arts

Credit points: 6 **Teacher/Coordinator:** Prof R Aldrich **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Essay of 4000 words, and a presentation equivalent to 1000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Museum Stud, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit looks at historical monuments - considered in a broad sense, the category includes ruins, statues, memorials, triumphal arches and other sites that play a role in the conservation and creation of national and group identities. Theoretical approaches including the notions of "collective memory" (Halbwachs) and "sites of memory" (Nora) will be considered. Specific case analysis will be taken from across various cultures and periods.

HSTY6994
Globalism, Internationalism and the UN
Arts

Credit points: 6 **Teacher/Coordinator:** Assoc Prof G Sluga **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Essay proposal 500 words (10%); worksheets, masterclasses and lectures (10%); essay 4000 words (60%); seminar, public lecture and masterclass participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert H R, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M Litt, M P A C S, PG Coursework Exchange.

What is the future for international society in the 21st century? This unit of study will attempt to answer this question by examining the idea of international society and its expression in the past of ideas of global communities, globalisation, cosmopolitanism, transnationalism, and international organisations, most particularly the League of Nations and the United Nations. The aim of this unit is also to provide intensive master classes for students interested in researching international history at postgraduate level.

Please contact the coordinator, Associate Professor Glenda Sluga, at the latest by 18 July, 2008 (glenda.sluga@arts.usyd.edu.au). There will be an introductory meeting on Tuesday 22 July, with 6 additional hours of attendance required, drawing from a choice of public lectures, a postgraduate master class with visiting international academics from Harvard and Birkbeck, and combined staff/student seminars during the week 22-28 July. This attendance will be assessed and will count towards overall attendance and assessment requirements for the course. Semester seminars will then continue regularly from Tuesday 29 July in completion of those requirements.

HSTY6995
Histories of the Arab-Israeli Conflict
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Dirk Moses with Assoc Profs Ahmad Shboul and Suzanne Rutland **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Essay proposal 1000 words (15%); essay 4000 words (70%); seminar participation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M Litt, M P A C S, PG Coursework Exchange.

This unit lays bare the dilemmas and historical contexts of the Arab-Israeli Conflict: the problem of nation-state formation in multi-national/ethnic regions; the disintegration of the Ottoman Empire; great power involvement in the region; Zionist projects of settlement; the reactions of the Arabs and Jews of Palestine; the fateful years of 1947-1949, the Arab-Israeli Wars; Palestinian nationalism; political violence in the region; Jewish settlements; and attempts at peace-making. Rather than present a univocal history, this unit highlights diverse perspectives and narratives.

HSTY6996
Literary London
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Hilliard **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Written work totalling 5000 words which may include a short archive-based assignment as well as a research essay; class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Pub, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit examines London as a site and subject of literary activity from the early eighteenth century onwards, with a focus on the twentieth century. Topics studied will include literary groups and networks, including Bloomsbury and literary bohemia; the social history of authorship; the publishing industry; and relations between the metropolis and its provincial and colonial peripheries, including Australian writers in London. Students will read a wide variety of published primary and secondary sources, and will have the opportunity to do original research using Fisher Library's microfilmed archives of a number of British publishers.

HSTY6997
Writing History for Publication
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Julia Horne **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4000 word project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Museum Stud, Grad Cert Pub, Grad Dip Arts, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

This series of seminars and practical workshops introduces students to the hows and whats of writing history for publication and covers

topics such as genres of historical writing (eg biography, local history, corporate history), research techniques (including oral history, pictorial and archival research), and writing and editing skills. Visiting experts will contribute to the series. The unit is intended for those interested in writing history, including those who wish to update their research and writing skills, as well as those who already have a history project which they would like to pursue.

University postgraduate units of study – I

IBUS5011
Foundations of Entrepreneurship
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs of lectures/seminars per week **Prohibitions:** IBUS6011 **Assessment:** Group Presentation; Individual Assignment; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Inn&Ent, Grad Cert Int Bus, Grad Dip Com, M Bus, M Com, M Log Man, M Int Bus & Law, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

For small open economies such as Australia's, opportunity identification and exploitation are often critical to a firm's long term growth and survival. Developing entrepreneurial and innovative businesses is very different to managing large established businesses. In addition to exploring the special problems (and advantages) associated with entrepreneurial businesses, this foundation course will bring together skills from multiple disciplines including finance, accounting, marketing, organisational behaviour, and strategy. Topics include entrepreneurship theory, opportunity recognition, entrepreneurial strategy, structuring an investment proposal, and execution planning. Your major project will be to develop a business around a new technology or idea, and to pitch your concept to a panel of potential investors. Central to this course is the integration of theory and practice through workshop sessions, group work, and talks from industry professionals.

IBUS6001
International Business Strategy
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 2 hrs of lectures and 1 seminar per week **Prohibitions:** ECHS6008 **Assessment:** Mid-Term Exam; Group Written Project; Presentation; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Bus, Grad Cert US Stud, Grad Dip Com, M Bus, M Int Bus & Law, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange, PG Summer/Winter School.

This unit analyses how multinational firms leverage their capabilities and competencies to create competitive advantages in international and global markets. Topics include assessing foreign market attractiveness; understanding the impact of differences in legal, cultural, political and economic regimes; evaluating international political and economic risk; building and operating global networks, including entry mode choice; understanding how managers design organisational architecture and implement internal control and incentive mechanisms; and assessing the challenges of global citizenship, ethical behaviour and social responsibility for international business. Problem-based learning, with case study workshops, is an integral part of the program.

IBUS6002
Cross-Cultural Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 3 hrs of lectures / seminars per week **Assessment:** Individual Assignment; Participation; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Bus, Grad Dip Com, M Bus, M Int Bus & Law, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange, PG Summer/Winter School.

An understanding of cultural differences and how to manage such differences is critical to effective management in international and multi-cultural business environments. The aim of this unit of study is to provide conceptual frameworks and evidence from practice that will develop an understanding of the ways in which cultures differ, how these differences can impact on management, and how cultural issues can limit organisational effectiveness. Major topics include the significance of culture in international management, the meaning and dimensions of culture, comparative international management and leadership styles, managing communication across cultures, ethics and social responsibility in global management, cross-cultural negotiation and decision-making, forming and managing global teams, and developing the international and global manager.

IBUS6003
Managing International Risk
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs of lectures/seminars per week **Assessment:** Mid-Semester Exam; Individual Assignment; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Int Bus, M Bus, M Com, M Log Man, M Int Bus & Law, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M T M, M Com, PG Coursework Exchange.

This unit introduces students to the multi-level risk environments encountered by multinational enterprise and the processes and strategies that can be employed to identify, assess, manage and mitigate risk. Topics that are covered include multinational enterprise and expropriation, sovereign risk and corruption, political and regulatory risk, brand and corporate reputation risk management, managing anti-globalization protests and consumer boycotts, terrorism risk, and executive risk and risk management and a short introduction to financial risk and risk management. The unit will also introduce students to the various analytical approaches involved in designing risk identification systems, reporting and monitoring protocols, and how risk is able to be assessed, prioritized and effectively managed. The unit will emphasize a problem case based approach to learning using workshops and simulation exercises.

IBUS6004
International Business Alliances
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs of lectures/seminars per week **Corequisites:** IBUS6001 **Assessment:** Group Assessment; Participation; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, Grad Dip Int Bus, M Bus, M Com, M Log Man, M Int Bus & Law, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M T M, M Com, PG Coursework Exchange.

Collaboration to achieve competitive advantage is one of the most commonly recommended cross border strategies. However, international alliances can take many different forms, and they can serve many different purposes. Managing international alliances raises a series of different issues for the alliance partners to manage. This unit examines the issues raised and considers the reasons for success and failure of international alliances. It looks at the forms that partnerships can take, it examines the methods for choosing among potential partners, it examines the potential forms of collaboration and the level of resources each may require. Managing the partnership for maximum advantage, avoiding possible risks, and deciding how and when to end the partnership, all are further issues that managers must consider. The unit considers these questions in the framework of general theoretical approaches, and pays particular attention to discussion of individual cases.

IBUS6005
Ethical International Business Decisions
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 1 lecture and 2 hr workshop per week. **Assessment:** Group Assessment; Participation; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com (Hons), M Int Bus, M Int Bus & Law, PG Coursework Exchange.

International business decisions are not only based on economic variables. Ethical, social and environmental considerations also play an important role in the decision-making process. This unit of study looks at the managerial decisions and processes from this perspective using a case approach. The aim is to gain an understanding of how values inform international business decisions and how corporations can align their business decisions with chosen values. Skills in negotiations, analysis and management will be developed.

IBUS6006
Comparative International Management
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week. **Assessment:** Group Assessment; Participation; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Com (Hons), M Int Bus, M Int Bus & Law, PG Coursework Exchange.

The triad regions, Japan, the United States, and the European Union, together are the homes of almost all of the world's largest 500 corporations. They account for a large majority of world exports. They provide most of the world's outward flows of foreign direct investment, and in addition they are the recipients of most of inward FDI flows. However, they are very different, in firm structure, in regulatory environment, and in the relations between private firms and government agencies. Dealing with them as competitors, customers, suppliers, or partners requires international managers to be aware of these differences and to vary their strategy accordingly. This unit compares the structure and operations of triad firms, and the ways that government agencies frame the operating environment in each region. We look first at the ways firms in each region seek competitive advantage, and how governments have supported them. We then look at a series of cases where firms have moved from their home region into another, at the ways in which they have attempted to transfer their competitive advantage, and at the reasons for their successes and failures. In addition to the specific knowledge of the habits and tendencies of Japanese, United States, and European firms, the techniques of analysis developed in this unit are applicable to a wide range of competitive situations across the global economy.

IBUS6007
International Business Special Project
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** 3 hrs per week **Prerequisites:** IBUS6001 and IBUS6002 with a credit average and must have received permission to enrol from the Chair, Discipline of International Business. **Assessment:** Research project proposal; Critique; Major project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Com, M Bus, M Int Bus, M Int Bus & Law, PG Coursework Exchange, PG Summer/Winter School.

The special project in International Business provides students with an opportunity to undertake a supervised reading and research project on an approved topic. Special projects will be undertaken depending on the availability of appropriate staff expertise. Special projects may also be organised by the Discipline to include the opportunity to travel in a group to another country and conduct various case studies of international business. The focus will vary each year based on the specific country and industry focus. As well as being of interest to those intending to work internationally, the unit of study will be appropriate for students intending to work in 'big' business as well as smaller entrepreneurial enterprises.

IBUS6012
International Entrepreneurship
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs of lectures /seminars per week **Prerequisites:** 12 credit points or equivalent credit **Assessment:** Group Presentation; Individual Assignment; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Inn&Ent, Grad Dip Com, M Bus, M Com, M Log Man, M Int Bus, M Int Bus & Law, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M T M, M Com, PG Coursework Exchange.

This course focuses on the development of skills to identify, evaluate, start, and manage ventures that are international in scope. Specific topics relating to international new ventures will include market entry, forming alliances, managing growth, and cross-border financing in different regions of the world. Cultural, ethical, legal, regulatory and human resource issues facing the entrepreneur will also be discussed. Guest speakers and case studies will be used to explore many of these topics. A major team project - developing a new venture proposal - will be used to integrate the course material.

IBUS6013
Entrepreneurial Restructuring & Renewal
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours of lectures/seminars per week **Prerequisites:** 12 credit points or equivalent credits **Assessment:** Group Presentation; Individual Assignment; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Com, M Bus, M Int Bus, M Int Bus & Law.

This new unit of study will be of interest to those students wishing to acquire and manage their own business, or are seeking to work in 'big' business and the financial markets (particularly private equity). The unit of study focuses on established businesses operating in mature markets. These businesses are of interest to entrepreneurs who seek to buy into established cashflows, or turn around failing enterprises. The unit of study focuses on practical issues, including opportunity evaluation, management and revitalisation (rather than financial structuring). The unit of study will enable you to explore the process of acquiring and reinvigorating established businesses and introduce sources of appropriate funding sources.

IBUS6014
Intellectual Property Management
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 2 lectures, 1 seminar/wk **Assessment:** Presentation; Projects; Individual Essay; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Inn&Ent, Grad Dip Com, M Bus, M Com, M Int Bus.

This unit of study concentrates on how to utilise Intellectual Property (IP) to create, control and exchange value. It will be of interest to students who are interested in creating a business around their own intellectual property, or assisting others (such as inventors or artists) leveraging their creativity. Creating IP does not necessarily mean you own the rights to use it, as most forms require you to take formal steps to register your IP and obtain the legal rights of ownership (both in Australia and internationally). Furthermore, creating IP does not automatically result in creating or capturing economic value. This unit of study will cover aspects including the concept of IP, how to identify and protect it in a local and international context, creating the conditions to encourage and leverage IP in a commercial context, how to manage a portfolio of IP, and enforcement scenarios.

IBUS6015
Innovation & Enterprise Special Project
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 seminars/wk **Assessment:** project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Inn&Ent, Grad Dip Com, M Bus, M Com, M Int Bus.

This unit of study is offered to students completing the Graduate Certificate in Innovation & Enterprise, or a major in entrepreneurship. It is designed to assist you develop your understanding of research methods and business issues specifically related to your area of interest. You will complete a major research project that will explore the phenomena of innovation or entrepreneurship in a context of your choice. For example, your research could consist of the study of two corporations that have successfully (or unsuccessfully) grown a business from an invention. Your study would address a specific issue of interest to academia, industry or your future career.

IBUS7001
Honours Dissertation Part A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** An average of 75% across IBUS6001, IBUS6002, IBUS6003, IBUS6004 and permission from the Chair of International Business **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int Bus, M Int Bus (Hons), PG Coursework Exchange.

This unit is the first of a two-part, supervised writing of a dissertation of 12 - 15, 000 words to be submitted in partial fulfilment of the requirements for the degree of Master of International Business or Master of Commerce with Honours.

IBUS7002
Honours Dissertation Part B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** An average of 75% across IBUS6001, IBUS6002, IBUS6003, IBUS6004 and permission from the Chair of International Business **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int Bus, M Int Bus (Hons), PG Coursework Exchange.

This unit is the first second of a two-part, supervised writing of a dissertation of 12 - 15, 000 words to be submitted in partial fulfilment of the requirements for the degree of Master of International Business or Master of Commerce with Honours.

IHSU5001
Non-dependent Alcohol Use Disorders
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 1a **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials, seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Assessment:** 1xwritten assignment (60%), 1xoral presentation (20%), tutorial participation and class attendance (20%), open book quiz sciences (formative assessment), required reflective report (formative assessment) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Indig H (Sub Use), Grad Dip Indig H (Sub Use), M Indig H (Sub Use).

This unit of study explores substance use and misuse in Indigenous communities, the cultural and historical antecedents to the current status of alcohol, tobacco and other drug disorders, the scientific basis of addiction, and the epidemiology and aetiology of substance use in Indigenous communities. Students will examine and critique frameworks for approaching prevention and treatment of alcohol problems in clinical and public health settings. In this block we will provide examples focusing on non dependent alcohol use disorders. A central learning method of the course, case-based learning, will be introduced and students will be expected to apply their professional experience in drug and alcohol field. In addition, students are expected to draw on their cultural knowledge to develop their drug and alcohol client assessment and management skills, to analyse their community setting, and to explore the role of the Indigenous drug and alcohol health professional in the provision of drug and alcohol prevention and treatment services to individuals and society.

Textbooks

The Northern Territory Public Health Bush Book (2002)
Brady, Maggie (2005). Indigenous Australia and Alcohol Policy: meeting difference with indifference.
Brady, Maggie, (2005). The Grog Book.
Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Australian Government, Department of Health and Ageing. (2007) Alcohol treatment guidelines for Indigenous Australians. Canberra: Commonwealth Department of Health and Aged Care.

IHSU5002
Alcohol Dependence and Withdrawal
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 1b **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Prerequisites:** IHSU5001 **Assessment:** 1 x written assignment (50%), tutorial participation and class attendance (20%), required formative clinical supervision and report from mentor (20%), open book/take home quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Indig H (Sub Use), Grad Dip Indig H (Sub Use), M Indig H (Sub Use).

This unit of study is designed to build upon the clinical skills, science, community focus and professional development in IHSU5001 and apply these to the issue of alcohol dependence and withdrawal in individuals and its impact on the community. Clinical assessment instruments and evidence based management methods are explored in a cultural context. Students are introduced to physical, psychological and psychiatric complications and co-morbidity in alcohol dependence. The unit is designed to enhance students' skills in preventing relapse, including counseling approaches, use of and referral to appropriate services and understanding the role of pharmacotherapies. Students will appraise the evidence for alcohol misuse prevention and treatment methods and how this can be used in developing case management plans.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Brady, Maggie (2005). The Grog Book.
Brady M. and Ernest H. (2003). Talking about alcohol with Aboriginal and Torres Strait Islander patients: a brief intervention tool for health professionals.
Australian Government, Department of Health and Ageing. (2007) Alcohol treatment guidelines for Indigenous Australians. Canberra: Commonwealth Department of Health and Aged Care.
Wodak A. (1999). What is this thing called harm reduction? International Journal of Drug Policy 10 (169-171).

IHSU5003
Cannabis, Tobacco and Depression
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** S1 Late Int **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Prerequisites:** IHSU5002 **Assessment:** 1xwritten assignment (20%), clinical skills (50%), tutorial participation and class attendance (20%), open book/take home quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Indig H (Sub Use), Grad Dip Indig H (Sub Use), M Indig H (Sub Use).

This unit of study examines the impact, epidemiology and pharmacology of cannabis, tobacco and related harms in Indigenous communities. The association between cannabis use and depression and other psychiatric conditions will be explored. The nature and treatment of depression is examined in cannabis users. At the public health level the unit focuses on policy and how it influences drug and alcohol programs at the local level and impacts on Aboriginal and Torres Strait Islander drug, alcohol and health status. Students will examine strategies for reducing smoking and cannabis related harm in individuals and the community. The health professional's role in influencing policy and programs in culturally secure and safe ways is also explored and applied to cannabis and tobacco policies.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Nutbeam, D. and Harris, E. (2006). Theory in a Nutshell: A Practical Guide to Health Promotion Theories. McGraw-Hill.
Tobacco Book, NT Health and Menzies School of Health Research.

IHSU5004
Opioids and Injecting Drug Use
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 2a **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Prerequisites:** IHSU5003 **Assessment:** 2xwritten assignments (45%), tutorial participation and class attendance (20%), clinical competencies (25%), formative open book/take home quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Indig H (Sub Use), Grad Dip Indig H (Sub Use), M Indig H (Sub Use).

This unit of study provides students with skills to assess and manage clients with opioid dependence. The role of opioid maintenance pharmacotherapies and the prevention and management of blood borne virus infection through injecting drug use is examined together with other harm reduction initiatives. Students will critique a drug and alcohol program and analyse how to provide an effective alcohol and other drug treatment service. Skills in communication are explored and applied in both advocacy for the client as well as in advocating for change in the community through communication with government and non-government agencies.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
National Aboriginal and Torres Strait Islander sexual health and blood borne virus strategy 2005-2008.
National clinical guidelines for the use of buprenorphine in the treatment of opioid dependence (abbreviated version) National Drug Strategy.
New South Wales Health. Pharmacotherapies accreditation course: a reference manual for participants. Sydney: NSW Health.

IHSU5005
Amphetamines, Polydrug Use and Psychosis
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 2b **Classes:** 1xblock mode 5 days 9am - 4-pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Prerequisites:** IHSU5004 **Assessment:** 1xwritten assignment (30%), 1xoral presentation on the assignment (20%), tutorial participation and class attendance (20%), clinical competencies observed structured clinical exam (20%), formative assessment quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Indig H (Sub Use), Grad Dip Indig H (Sub Use), M Indig H (Sub Use).

This unit of study examines amphetamine-type stimulant drugs. It covers pharmacology, effects and complications of stimulant and of polydrug use. Topics include needs of clients with amphetamine and polydrug use disorders, evidence for effective prevention and treatment strategies, complications of stimulant use, the biochemistry of psychosis and the use of antipsychotics is examined. The unit provides students with an introduction to the skills needed to write a program funding proposal by developing skills in articulating the program rationale, goal setting, budgeting, communication with and gaining the support of key stakeholders, time management and decision making.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA)
Slattery, Peter (2001). Youth Works.
Webb, Penny, Bain, Chris and Pirozzo, Sandi (2005). Essential Epidemiology: An Introduction for Students and Health Professionals, Cambridge University Press.

IHSU5006
Substance Use Across the Lifespan
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** S2 Late Int **Classes:** 1xblock mode 5 days 9am - 4-pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Prerequisites:** IHSU5005 **Assessment:** 2 x written assignments (35% and 20%), tutorial participation and class attendance (20%), clinical competencies (includes a clinical exam or quiz) (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Indig H (Sub Use), Grad Dip Indig H (Sub Use), M Indig H (Sub Use).

This unit of study explores substance use through the lifespan of the individual from foetal development through to adulthood. It explores the factors which can contribute to trans-generational cycles of alcohol, tobacco and other drug disorders in Indigenous families. A focus on research and evaluation aims to integrate the learning from previous units to further develop an understanding of the importance of research in all aspects of drug and alcohol education, clinical practice and health promotion. The unit explores approaches and methods used in public health-oriented drug and alcohol research. It incorporates a framework of research and evaluation that will enable students to design a simple descriptive study. Use of alcohol, tobacco and other drugs in pregnancy and approaches to prevention of foetal harm will be examined. Clinical skills development will address prevention, assessment and management of benzodiazepine dependence and solvent misuse.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Slattery, Peter (2001). Youth Works.
National Clinical Guidelines for the Management of Drug Use during Pregnancy, Birth and the Early Development Years of the Newborn (2006). NSW Department of Health and Commonwealth of Australia.
Brady, Maggie, (2005). The Grog Book.

INDH5211
Community Profile and Setting Priorities
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** Semester 1a **Classes:** 8-day intensive workshop **Assessment:** 1xwritten community profile (80%, no word limit), and 1xclass presentation of community profile (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Indig H Prom.

This is the first of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. Students will be introduced to the rationale for and components of a community profile. They will be introduced to sources of data available and required, to set up, structure and formulate a profile of their own community. The data are a combination of routinely collected statistics, and local reports on community-defined strengths and needs. Particular attention will be given to finding, managing and presenting the data in a format that is accessible and useful to the students' own communities as well as to professional colleagues, health agencies and funding agencies. The community profile provides students with a basic overview that enables them to develop culturally secure and effective programs for working with their communities to promote health effectively.

Textbooks

Block 1 Reading booklet will be provided at the beginning of the block.

INDH5212
Health Promotion Program Planning
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** Semester 1b **Classes:** 1 week intensive workshop **Assessment:** 1xwritten assignment, no word limit **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Indig H Prom.

This is the second of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. In this module, students will be introduced to the components of a planned health promotion program. They include examining and structuring the ways in which students can engage others in their communities in identifying the causes or determinants of the public health problems they have identified; preparing a plan of action that outlines measureable aims and objectives; examining the ways in which human, financial and other resources can be

mobilised to enable program implementation; as well as how to structure and formulate strategies for action.

Textbooks
Block 2 Reading booklet will be provided at the beginning of the block.

INDH5213
Strategies for Health Promotion
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** S1 Late Int **Classes:** 1 week intensive workshop **Assessment:** written assignment, no word limit **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Indig H Prom.

This is the third of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. Students will identify and discuss the strategies used to achieve the goals and objectives of their health promotion programs. They will be introduced to theories used to develop strategies, and will analyse case studies of effective Aboriginal and Torres Strait Islander health promotion. Students will identify the capacity needed by communities and organizations to implement strategies and the actions they can take to ensure the cultural safety of their work.

Textbooks
Block 3 Reading booklet will be provided at the beginning of the block.

INDH5221
Communication: Tool for Promoting Health
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** Semester 2a **Classes:** 1 week intensive workshop **Assessment:** written assignment (100%, approximately 2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Indig H Prom.

This is the fourth of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. This module introduces students to the theory and practice of communication as a tool for promoting health. Students will develop knowledge of and skills in interpersonal, group, and public communication for health. They will expand their skills in conflict resolution. They will be introduced to social marketing theory and practice. They will also examine the negative and positive contributions of the mass media to promoting the health of Aboriginal and Torres Strait Island people.

Textbooks
Block 4 Reading booklet will be provided at the beginning of the block.

INDH5223
Advocacy and Social Action
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** S2 Late Int **Classes:** 1 week intensive workshop **Assessment:** group exercise in class: analysis of a community-based public health problem in an Indigenous community and design of an intervention to solve it (30%) and an oral presentation of project (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Indig H Prom.

This is the sixth of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. This module is designed to assist students to build personal and organisational capacity to promote health within their organisations and communities. This includes: identifying sources of funding and obtaining grants and building support for action to change policies and practices within their organisations to promote health. Assessment for this unit requires students to prepare a planned response to a public health problem facing an Aboriginal community. Students work as a team to prepare a comprehensive response using the processes and technical skills acquired throughout the course. Assessment also requires the students to present an overview of their final project to a panel including academic staff and health promotion practitioners.

Textbooks
Block 6 Reading booklet will be provided at the beginning of the block.

INDH5224
Research and Evaluation
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** Semester 2b **Classes:** 1 week intensive workshop **Assessment:** 1xwritten assignment, no word limit **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Indig H Prom.

This is the fifth of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. The students will be introduced to the role of research in Aboriginal and Torres Strait Islander health promotion. They will identify ethical issues important in research design and implementation, and identify research methods that will assist Aboriginal and Torres Strait Island communities to describe health problems and their causes, to develop effective strategies to address these, and to evaluate the progress and outcomes of health promotion interventions. They will also identify ways in which research must be carried out in their communities in order to ensure that communities are not exploited or harmed by the research. The students will also learn to identify organisations and individuals with whom they might form partnerships, to extend the range of research that can be carried out in their communities. The students will define culturally secure and effective methods that are available to evaluate health promotion programs conducted with and for Aboriginal and Torres Strait Islander people and their communities. Assessment for this unit requires students to design and conduct the evaluation of a module of the Graduate Diploma in Indigenous Health Promotion and to report on this.

Textbooks
Block 5 Reading booklet will be provided at the beginning of the block.

INDH5226
Final Project
Medicine

Credit points: 12 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Dr Daniela Heil **Session:** S2 Late Int **Assessment:** 1 written assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Indig H Prom.

This is the last of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. Students will be expected to apply and reflect on the knowledge and skills learned in each of the coursework modules they have completed. Each student will prepare a project report (which may be presented as a written report, video, journal article, radio program or poster and story), integrating the learning across the whole course into a single intervention program. With the approval of the community for whom the project was developed, the report will include chapters on the profile of the community, a program plan that outlines measureable aims and objectives, strategies, an implementation plan, and an evaluation plan. The report will also include the students' reflections on their learning. The explicit focus and direction of the project will be determined by the students in consultation with their employers and their communities. The completed project will demonstrate the student's knowledge of and skills with regard to the key elements covered throughout the course.

Textbooks
Review of Block 1-6 Readers. In addition, students are expected to undertake their own reviews of the literature.

INFO5990
Professional Practice in IT

Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** (Lec 2hrs & Tut 1hr) per week **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: E M P A, Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P A, M Inf Tech, M Inf Tech Man, M P Admin.

This Unit of Study defines and explains the standards of knowledge of Information & Communication Technology (ICT) professionals. It covers the factors necessary for successful management of system development or enhancement projects, including managing the system life cycle, system performance evaluation, managing expectations of team members, cost effectiveness analysis, scheduling and change management. The unit also covers the issues related to the Organisational Behaviour, Interpersonal Communications, Ethics and Social implications as part of their involvement in professional practice.

INFO5991
IT Professional Services
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** INFO5990 **Assessment:** Assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), E M P A, Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P A, M Inf Tech, M Inf Tech Man, M P Admin, PG Coursework Exchange.

This unit of study builds upon and extends the standard body of Information & Communication Technology (ICT) knowledge required by IT professionals. Specifically, it covers topics related to the management of key resources in IT organisations including: people, projects, knowledge, and processes. The delivery of this unit is driven by a critical examination of selected case studies that focus on topics such as organisational capability assessment, recruitment and organisational capability development, outsourcing strategies, and IT procurement.

INFO5992
Understanding IT Innovations
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 3 hour tutorial per week. **Assumed knowledge:** INFO5990 **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B C S T (Hons), B I T, B I T (Hons), E M P A, Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Inf Tech Man, Grad Dip P A, M Inf Tech Man, M P Admin, PG Coursework Exchange.

An essential skill for an IT manager is the ability to keep up-to-date with emerging technologies, and be able to evaluate the significance of these technologies to their organisation's business activities. This unit of study is based around a study of current technologies and the influence of these technologies on business strategies. On completion of this unit, sutdents will be able to identify and analyse an emerging technology and write a detailed evaluation of the impact of this technology on existing business practices.

INFO6007
Project Management in IT
Engineering and Information Technologies

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Early, Winter Main **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** INFS6014 IT Project Management **Assumed knowledge:** INFS6000 or COMP5206 or INFO5990 **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: E M P A, Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P A, M Inf Tech, M Inf Tech Man, M P Admin, PG Summer/Winter School.

This unit of study covers the factors necessary for successful management of system development or enhancement projects. Both technical and behavioural aspects of project management are discussed. Potential topics of interest could include managing the system life cycle, system and database integration issues, system performance evaluation, managing expectations of team members, cost effectiveness analysis, scheduling and change management.

INFS5000
Business Information Systems
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prohibitions:** INFS6000 **Assessment:** Group Assignment, Individual Assignment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert I T, Grad Cert Inf Tech Man, Grad Cert Int Bus, Grad Dip Com, M B I S, M Bus, M Com (Hons), M E S (Manuf Com Bus Man), PG Coursework Exchange.

The Information Age, with its focus on information as a key business resource, has changed the way Business Information Systems (BIS) are viewed in organisations. In previous years, people approached BIS primarily as a tool to increase efficiency, either by cutting costs, time or energy spent. In the information age, however, the role of BIS is different it is an enabler of innovation and a tool for getting the right information into the hands of the right people at the right time. This unit will help you to understand how information is used to meet organizational objectives; the complex and changing information environment from the perspective of stakeholders; and the management issues associated with making effective use of BIS. These are explored with reference to enterprise-wide systems and small to medium systems in business and government. You will learn how to use conceptual frameworks and systems documentation tools to analyse practical problems in the operations of information systems and identify new opportunities for business value creation through innovative applications of various BIS.

INFS6001
BIS Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Late **Classes:** 3hrs per week **Assessment:** Group Assignment, Individual Assignment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study may be offered in intensive mode

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, M B I S, M Bus, PG Coursework Exchange, PG Summer/Winter School.

This unit introduces you to the organisational foundations of information systems and their emerging strategic role. You will develop an understanding of real-world systems and their relationship to organisations, management and business processes. The unit provides you with a solid understanding of the technology underlying information systems and how various information technologies work together to create infrastructure for electronic commerce and electronic business. You will explore the role of information systems in capturing and distributing organisational knowledge and in enhancing management decision making. Finally, you will have the opportunity to explore the special management challenges and opportunities created by the pervasiveness and power of information systems.

INFS6002
BIS Strategy
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** INFS5000 or INFS6000 **Assessment:** Class participation, Examination, Individual assignments and Group projects **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, M B I S, M Bus, PG Coursework Exchange.

In this unit, you will explore current issues and theoretical concepts in information technology strategy and management. A key aim of the unit is to provide you with a detailed understanding of concepts, tools and methodologies that can be of assistance to organisations in their design, implementation and enactment of IT strategies and governance of value-adding IT resources. The focus will be on users and IT

strategy and management in context rather than on more technical aspects. Your understanding will be enhanced through active participation in case studies, which are an essential element of the unit.

INFS6004
BIS Change Management
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Assessment:** Group Assignment, Individual Assignment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, M Bus, PG Coursework Exchange.

Many BIS implementations require organisational change, or are part of broader change initiatives, and this unit aims to equip you with the ability to operate as a change agent to lead and manage that process. You will be exposed to the factors that need to be considered to fully understand an organisation's specific context and provided with the knowledge, methodologies and techniques to successfully manage the change related aspects of a BIS implementation within that context. Topics covered by this unit include the roles of change, approaches to change - including Strategic Change, Business Process Reengineering and Total Quality Management and managing the end-to-end change process - including overcoming organisational resistance.

INFS6012
Business Process Integration
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** INFS5000 or INFS6000 **Assessment:** Quiz, Online Case Study, Group Assignment, In Class Test, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, Grad Dip Inf Tech Man, M B I S, M Bus, M Inf Tech, M Inf Tech Man, PG Coursework Exchange.

This unit will provide you with an overview of integrated enterprise systems using packaged software solutions (via the SAP R/3 enterprise resource planning system). It offers practical experience in using the SAP R/3 system so as to familiarize you with all the modules and their functionality. You will learn how enterprise resource planning integrates functions within business and you will gain a thorough understanding of the information flows in procurement, production planning, production control, inventory control, sales and distribution, financial accounting and cost controlling.

INFS6013
Risk Management and BIS Assurance
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** INFS5000 or INFS6000 **Assessment:** Group Assignment, Individual Assignment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, Grad Dip Inf Tech Man, M B I S, M Bus, M Inf Tech, M Inf Tech Man, PG Coursework Exchange.

This unit will introduce you to the concepts and practices relating to the protection and assurance of business information systems. Business information and information related systems are valuable assets to organisations and are of critical importance in meeting regulatory obligations. Therefore the risk of disruption, theft or destruction to information systems has business value and compliance implications. This unit provides you with the opportunity to investigate key concepts, strategies and methodologies that will assist you in identifying, analysing and evaluating potential risk areas and critical control needs throughout the information system lifecycle. Your knowledge will be expanded in a multi-level approach that examines tools and technologies for safeguarding business information resources, the key stakeholders and institutional arrangements for business information systems assurance. The theoretical and conceptual material covered in seminars is reinforced through problem based learning.

INFS6014
BIS Project Management
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** INFS5000 or INFS6000 **Assessment:** Individual Assignment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, M B I S, M Bus, PG Coursework Exchange.

This unit will introduce you to the end to end project management lifecycle from project planning and initiation through implementation to benefits realisation. You will be exposed to both the technical and behavioural aspects of project management infrastructures, techniques and methodologies. You will be introduced to concepts and will critically analyse their application in specific project contexts. Major topics covered in the unit include Project Management Foundations, Project Initiation & Planning, and Project Execution, Control & Closure.

INFS6015
Business Process Management
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** INFS5000 or INFS6000 **Assumed knowledge:** INFS6012 **Assessment:** Quiz, Mid-semester exam, Group Project, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, M B I S, M Bus, PG Coursework Exchange.

This unit will introduce you to concepts of Business Process Management (BPM) and capabilities to discover, analyse, design, deploy and optimize end to end business processes. You will obtain a detailed understanding of strategies, methods, tools and technologies associated with BPM. You will also develop practical skills by modelling and re-designing business processes using commercial software. Business processes that stretch across organizational boundaries and the management of such processes are the central themes of this unit.

INFS6016
Technology Enabled Business Innovation
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Assessment:** Group Assignment, Individual Assignment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, Grad Dip Inf Tech Man, M B I S, M Bus, M E S (Manuf Com Bus Man), M Inf Tech, M Inf Tech Man, PG Coursework Exchange.

This unit will assist you to develop knowledge and skills in innovative, technology-enabled business models and strategies from a management perspective. It will enable you to better understand and apply the concepts, strategies, tools and technologies necessary for undertaking business innovation. From basic knowledge of business models and essential business processes this unit will increase your awareness and understanding of stakeholders, their capabilities and their limitations in the strategic convergence of technology and business. It will increase your insights into the technology and infrastructure required to support commerce in the 21st Century and will support development of your capabilities to analyse, develop and evaluate innovative technology-enabled business strategies and models.

INFS6017
Strategic Information & Knowledge Mgmt
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week or equivalent in intensive mode **Prerequisites:** INFS5000 or INFS6000 **Assessment:** Individual Research Project, Group Assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: May be offered in intensive mode

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip I T, Grad Dip Inf Tech Man, M B I S, M Bus, M Inf Tech, M Inf Tech Man, PG Coursework Exchange, PG Summer/Winter School.

In this unit you will be exposed to a sociotechnical change perspective to the study of information, content and knowledge management. The unit provides you with the opportunity to investigate the systems that enable the acquisition, storage and distribution of business and government information. The major emphasis is on the ways that organisations generate, communicate and leverage value from their information and knowledge assets. Different views of information such as "information as evidence" and "information as asset" will be presented, and you will explore the tensions arising from the interplay of these two views. Your knowledge will be expanded in a multi-level approach that examines digital information products, information users and institutional arrangements for information and knowledge management.

INFS6020
BIS Innovation Transformation and Change
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** INFS5000 (or INFS6000) + 24 credit points of INFS units (4 units) **Assessment:** Group Project; Individual Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students in the MBIS may enrol in this unit without seeking permission if the meet the prerequisites.

Associated degrees: Grad Dip Com, M B I S, M Bus, PG Coursework Exchange.

This unit is intended to consolidate your knowledge and skills in applications of Information Systems so you can better assist business to improve its organisational effectiveness. The unit serves as a capstone to the Master of Business Information Systems and is structured around a semester long project designed to allow you to demonstrate your ability to apply and synthesise BIS concepts in a real world setting. You will consider the information systems lifecycle from inception through implementation to operation, identifying opportunities, developing strategies and designing processes, procedures and management practices to enable an organisation to fully realise the business benefits of information systems. You will be provided with the opportunity to locate assignments within the particular context most suited to your past experience or future aspirations. As such this unit will prepare you for the challenges of effectively utilising Information and Information Systems for strategic business advantage in your role as a manager within an organisation.

INFS6101
Special Topic in Business Info Systems
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** INFS5000 or INFS6000 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert I T, Grad Dip Com, M B I S, M Bus.

This unit provides the opportunity for students to complete intensive study in an area of Business Information Systems. In the absence of formal classes, students are required to research and write a short dissertation under the guidance of a staff member in an area of contemporary business information systems.

INFS7001
Business Information System Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

INFS7002
Business Information System Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

INIM5001
Fundamental Immunology
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Helen Briscoe **Session:** Semester 1 **Classes:** 20x1hr lecture, 40 hrs practical classes or tutorials or seminars **Assessment:** progressive assessment (50%) including an essay (2,500word), laboratory assignments , seminar presentation and 1x2hr examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Infn Imm, Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

Immunology is the study of defence mechanisms that protect individuals against infections and cancers. Studies in immunology are leading to advances in clinical medicine, including understanding allergies, transplant rejection, autoimmune diseases, such as rheumatoid arthritis and insulin-dependent diabetes, and the development of new vaccines. This unit of study will provide an understanding of the components and functions of the immune system at the molecular and cellular levels, the mechanisms of pathological immune processes and immune system dysfunction, mechanisms of immune responses to microorganisms and immunological techniques used in clinical diagnostic and research laboratories. The unit components will be delivered so as to develop skills in problem-solving, evaluation of scientific literature, and oral and written communication. Lectures will provide an overview of the immune system and an update of fundamental facts. Problem/case-based scenarios together with invited guest/specialized lectures, hands-on practical work, literature research and group discussions ('tutorials') will provide in-depth analysis of particular chosen topics.

Textbooks

Required reading: Basic Immunology Functions and Disorders of the Immune System, Adul K Abbas & Andrew H Lichtman, Saunders. 2nd edition. You should read and understand this book before progressing to more detailed textbooks. Recommended detailed texts: Cellular and Molecular Immunology, Adul K Abbas & Andrew H Lichtman, Saunders. 5th edition; Immunobiology Charles Janeway, Paul Travers, Mark Walport, Mark Scholmchik, Garland Churchill Livingstone. 6th edition; Essentials of Clinical Immunology. Helen Chapel and Mansel Haeney, Blackwell Scientific Publications. 3rd edition. Although these are recommended, other texts are equally sound. We suggest you discuss with the unit coordinator, Helen Briscoe, before making a textbook purchase.

INIM5002
Virology and Cell Technology
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Herring **Session:** Semester 1 **Classes:** 2x1hr lectures/week; 2x2hr practical classes or tutorials or seminars/week **Assessment:** 1x2hr formal written examination (50%), progressive assessment (50%) including tutorial assignment, seminar presentation ,formative assessments and laboratory work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Infn Imm, Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

This unit aims to equip graduates with an in-depth knowledge of medical virology and cell technology that will enable them to work effectively as laboratory personnel in relevant hospital laboratories, clinics or research institutions. Students will develop skills in evaluation of scientific literature, in problem-solving and in scientific

communication that will enable them to develop careers as administrators or policy-makers in hospitals, health care organisations or government bodies. The core of the program is a series of lectures, some of which will be given face-to-face and/or will be available online. Practical classes will focus on the identification of viruses and cell culture technology, and on techniques used in research investigations the be conducted in an appropriately equipped student laboratory. Tutorials will be conducted in small groups and students will actively participate in problem-solving exercises. Seminars will be conducted using modern presentation software and audiovisual equipment.

INIM5006
Bioinformatics
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Jonathan Arthur **Session:** Semester 1 **Classes:** 1x1hr lecture, 1x1hr tutorial, 1x3hr practical/wk **Assessment:** 1hr 30min written exam (50%), 15-20min seminar presentation (5%), and computer-based projects and assignments (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

This unit of study will equip graduates with a thorough understanding of the principles and applications of bioinformatics, fostering an awareness of the increasing importance of being able to effectively manage and analyse large volumes of data in medical and related sciences. It will equip students with a thorough knowledge of online, publicly-available bioinformatics resources, with a particular emphasis on resources relevant to research in infection and immunity. Skills will be developed in the effective use of common bioinformatics software applications and databases, the evaluation of scientific literature pertaining to bioinformatics and its medical applications (including any associated software or databases), problem-solving, and scientific communication. The core of the program is a series of lectures, available face-to-face and/or online. Tutorials will be conducted in small groups and students will actively participate in problem-solving exercises. Further practical classes will be conducted in appropriately equipped computer laboratories.

INIM5011
Advanced Medical Bacteriology
Medicine

Credit points: 6 **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 2x2hr practical classes or tutorials or seminars/week **Assessment:** 1x2hr closed-book, written examination (60%), progressive assessments (40%) including class tutorial/presentation/written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Infn Imm, Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

This unit of study aims to provide an awareness of modern concepts of Medical Bacteriology relevant to the susceptibility and response of the host to pathogenic bacteria, with special emphasis on the host-pathogen relationship at the cellular and molecular levels regarding symptoms, pathogenesis, diagnosis, treatment, control and prevention. The unit will also allow candidates to become familiar with modern bacteriological test procedures used to diagnose bacterial infections and monitor effectiveness of treatments. The unit will provide the advanced scientific and intellectual basis to augment knowledge and understanding, at a postgraduate level, in a career involving Medical Microbiology or in a related subject area. Lectures will be used to impart knowledge and understanding as well as review key themes of the module. Tutorials will utilise activities which enable candidates to explore a range of issues including the changing pattern of diseases in Australia and worldwide. The use of case studies will enable candidates to examine breakouts of disease and their investigation by the clinical laboratory. Laboratory sessions will enable students to apply the theoretical concepts of laboratory investigation to the identification of microbial cultures, clinical samples and investigate antibiotic resistant bacteria.

Textbooks

Recommended reading: Medical Microbiology. Mims, Playfair, Roitt, Wakelin, Williams. Second Edition. Mosby Press, London, Philadelphia, St Louis, Sydney, Tokyo.1999.

Clinical Bacteriology. J. K. Struthers, R. P. Westran. (2003) ISBN 1-55581-276-7.

INIM5012
Infection Control and Epidemiology
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Peter McMinn **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 2x2hr practical classes or tutorials or seminars/week **Assessment:** 1x2hr examination (50%), progressive assessments including presentations, laboratory work and written assignments (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Infn Imm, Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

The unit aims to equip graduates to take advantage of the hospital laboratory services and the research literature in applying old and new technologies to recognise individual cases of communicable disease, trace the source of outbreaks and provide a scientific basis for development of policies to prevent spread of infection. There are 4 specific learning objectives: to know how to estimate the risk of transmission of infection and to assess the value of control measures; to understand the methods used to determine the efficacy of antimicrobial drugs both for treating individual patients and in terms of policy guidelines; to understand the scientific basis of vaccination and its value and limitations in the field, to appreciate the psychological and social factors involved in achieving effective infection control. The core of the program is a series of practical demonstrations, seminars and tutorials based on important current or historical examples. Students will actively participate in problem solving exercises generated from the recent literature.

Textbooks

Recommended reading: A Clinicians Dictionary of Pathogenic Microorganisms, Jorgenson JH and Pfaller MA. ISBN 1-55581-280-5 ASM Press 2004.

INIM5013
Clinical Mycology and Parasitology
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Wieland Meyer, Dr Rogan Lee **Session:** Semester 1 **Classes:** 2x1hr lectures/week, 2x2hr practical classes or tutorials or seminars/week **Assessment:** 1x3hr written examination (50%), seminar presentation (15-20min) (20%), and laboratory work (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

This unit aims to equip graduates with an in-depth knowledge of medical mycology and parasitology that will enable them to work effectively as laboratory personnel in relevant hospital laboratories, clinics or research institutions. The course will allow students to develop skills in evaluation of scientific literature, in problem-solving and in scientific communication that will enable graduates to develop careers as administrators or policy-makers in hospitals, health care organisations or government bodies. The course structure involves lectures on diseases caused by fungal, protozoan and helminthic agents, laboratory classes on identification of fungal and parasitic infections, and on techniques used in research investigations and tutorials (e.g. clinical cases, investigation of outbreaks of disease and prevention strategies). Seminars consisting of presentation of specified topics researched by individual students will also form part of the course.

Textbooks

Recommended reading: Medically Important Fungi - A guide to Identification Larone DH 4th Edition ASM Press Washington DC 2002.
Atlas of Clinical Fungi 2th Edition de Hoog et al. 2000 Centraalbueau voor Schimmelcultures, Utrecht The Netherland.
Clinical Parasitology: A handbook for medical practitioners and microbiologists. Sheorey H et al. University Press Carlton Vic, 2000.
Diagnostic Medical Parasitology Garcia L. 4th Edition ASM Press 2001.

INIM5015
HIV and Other Retroviruses
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Roger Garsia, Dr Richard Hillman **Session:** Semester 2 **Classes:** compulsory attendance at 3x1hr lectures/week and 1x1hr journal club per week **Assessment:** written examination, short written

discussion topics, multiple choice quizzes and participation in journal clubs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Infn Imm.

This unit aims to describe the epidemiology, biology, pathogenesis and clinical contexts of HIV infection. At the end of this unit, students will be able to understand the laboratory, clinical and social aspects of the diagnosis and management of HIV infection. Course content will include underlying scientific principles of diagnostics, virology, immunology and pathogenesis as applicable to HIV infection; clinical aspects of HIV infection, including seroconversion, asymptomatic infection, early symptomatic disease, major opportunistic infections (including AIDs-related conditions), tumours and death. Emphasis will be placed on the roles of prophylaxis, antiretrovirals.and the management of associated conditions. Legal, ethical and sociological contexts will also be discussed.

Textbooks

Recommended reading: Field's Virology 4th Edition eds Knipe and Howley LW&W

2003 Medical Management of HIV. Bartlett JG and Gallant JE available through www.hopkins-aids.edu.

INIM5016
Applied Clinical Immunology
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Adelstein, Dr Andrew Williams **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 1x3hr practical classes or tutorials or seminars/week **Assumed knowledge:** Basic immunology **Assessment:** 1x2hr formal written examination (50%), progressive assessment including tutorial assignment, seminar presentation 2 formative assessments and laboratory interpretation (skill tests in OSCE format) (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Infn Imm, M Med (Infn Imm), M Sc Med (Infn Imm).

The course will have two concurrent themes. Clinical: this theme will concentrate on the immunological methods used to evaluate human disease and will include the theoretical basis for tests of immune function, practical laboratory application of assays based on these principles and case-based seminars Research. This theme will focus on understanding the investigation of immune function with lectures and practical sessions reviewing current molecular and cellular approaches and seminars based on study of current literature and classic papers in Immunology. Instruction will comprise lectures on the immunopathology of disease and the immunological methods used in diagnosis and research; laboratory classes on methods and techniques used in clinical diagnosis and research investigations; tutorials (e.g. clinical cases, journal article reviews, review of laboratory problems seminars consisting of presentation of specified topics researched by individual students. The learning objectives of this unit are to understand the immunological basis for infection and immunity and how these concepts are core to and applied in the diagnostic pathology laboratory; to understand how the immune system causes and prevents disease, the use and performance of immunological tests in the investigation of disease and methods of investigation of the immune system; to develop effective skills in problem-solving and self-directed learning; to foster advanced verbal and written communication skills.

Textbooks

Recommended reading: Immunology, Infection and Immunity. Pier GB, Lyczak JB and Wetzel LM. ASM Press, Washington DC, 2004.

Clinical Immunology and Serology: A Laboratory Perspective, 2nd Edition Stevens CD. F. A. Davis company, Philadelphia, 2003.

Manual of Clinical Laboratory Immunology. Editors: Rose NR, Hamilton RG, and Derrick B 6th edition. ASM Press, Washington DC, 2002.

INIM5018
Dissertation A
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Colin Harbour **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** Following completion of their specified research project candidates will be required to submit a treatise of 30,000-40,000 words describing the project and its outcome. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Med (Infn Imm), M Sc Med (Infn Imm).

Students will work with an established research group and work on a specified research project. This project must be approved by the Infection and Immunity Program Committee and carried out under suitable supervision. At least one of the project supervisors must be an academic staff member of the University. Total minimum of 6 hours/week.

INIM5019
Dissertation B
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Colin Harbour **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** Following completion of their specified research project candidates will be required to submit a treatise of 30,000-40,000 words describing the project and its outcome. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Med (Infn Imm), M Sc Med (Infn Imm).

Students will work with an established research group and work on a specified research project. This project must be approved by the Infection and Immunity Program Committee and carried out under suitable supervision. At least one of the project supervisors must be an academic staff member of the University. Total minimum of 6 hours/week.

INIM5020
Dissertation C
Medicine

Credit points: 12 **Teacher/Coordinator:** Associate Professor Colin Harbour **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** Following completion of their specified research project candidates will be required to submit a treatise of 30,000-40,000 words describing the project and its outcome. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Med (Infn Imm), M Sc Med (Infn Imm).

Students will work with an established research group and work on a specified research project. This project must be approved by the Infection and Immunity Program Committee and carried out under suitable supervision. At least one of the project supervisors must be an academic staff member of the University. Total minimum of 6 hours/week.

INIM5021
Readings in Infection and Immunity
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Helen Briscoe **Session:** Semester 1, Semester 2 **Classes:** Independent study, tutorial and journal club meetings under supervision **Prerequisites:** 24 CP, with a minimum average mark of 70%, taken from the following study units: INIM5001, INIM5002, INIM5011, INIM5012, INIM5006, INIM5013, INIM5014, INIM5015, INIM5016, PUBH5117, SEXH5200 or equivalent approved units. **Assessment:** written literature review (10,000 words) (60%), and 1x1hr seminar (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students who have successfully completed at least 24 CP of core and elective study units in the postgraduate program in Infection and Immunity and gained a MINIMUM AVERAGE MARK OF 70% in all units undertaken may seek permission from the department to enrol in this elective.

Associated degrees: Grad Dip Infn Imm.

In consultation with the postgraduate coursework coordinator, each student will be assigned a supervisor who will guide them in data and

literature searches and in critical review and analysis of the literature. Tutorials and journal club meetings will complement this process. Each student will select one topic and undertake a detailed study of the literature pertaining to that topic. The student will write a literature review essay and present a one hour seminar on that topic.

ITLN6900
Advanced Italian Language 1
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words in assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

Advanced composition in and translation into Italian, exploring modes, techniques and genres.

ITLN6901
Advanced Italian Language 2
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words in assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

Translation from Italian, exploring modes, techniques and genres

ITLN6910
Advanced Italian Language 3
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Class participation and weekly assignments totalling 2000 words; 3 x written assignments totalling 3000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, M A, PG Coursework Exchange.

This unit teaches Italian language and communication skills at an advanced level. Elements of the syllabus will include: complex syntactic and morphological structures, vocabulary extension and appreciation of different styles of expression. The unit has an online component with the aim of enhancing not only the quality and quantity of linguistic and cultural input but also the opportunities for interaction.

ITLN6913
Cinema and Literature in Italy Today
Arts

Credit points: 6 **Teacher/Coordinator:** Drs Bartoloni and Mauceri **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Class participation (10%); class presentation 1000 words equiv (20%); 2 x essays (70% total) 4000 words total **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert F S, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit of study will investigate a number of selected Italian movies and novels of the last three decades whose themes are related to migration and employment in Italy. The aim is to provide students with insights into Italian cinematic and literary realism, and the relation between culture and society in 21st century Italy. The proposed approach and issues will stimulate discussion relating to mobility and globalisation and how they affect Italian society.

ITLN6931
Italian Renaissance: Florence
Arts

Credit points: 6 **Teacher/Coordinator:** Prof N Newbigin and Drs N Eckstein and L Marshall **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Bibliographical/iconographical exercise (10%); palegraphical exercise (10%); presentation (25%) 2000 words; research essay (55%) 3000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit explores recent approaches to the history of Renaissance Florence. Using the manuscript, printed and electronic resources of the University of Sydney Library, it will consider topics of social and political history, artistic and literary production, secular and religious life. The unit will provide a comprehensive introduction to Florentine society and culture in the Renaissance and then, through a series of workshop seminars, students will apply these approaches in interdisciplinary areas.

University postgraduate units of study – J

JCTC6901
Jewish Civ Study: Methodology and Tools
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Compulsory core unit in the MA (Hebrew, Biblical and Jewish Studies) program

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This core unit explores the key elements of Jewish civilization, looking at the unique features of the Jewish experience. These include the concept of Jewish identity, the Jewish experience within Israel and the ways in which Jewish life in the Diaspora is moulded by events in the majority host community. The reasons for the richness of Jewish literature, including the evolution of many different languages such as Classical and Modern Hebrew, Aramaic, Yiddish, and Ladino will also be investigated. Students will not be expected to know these languages, but will develop an understanding of the role they have played within Jewish civilization. Questions will also be raised regarding both Biblical and post-Biblical texts in terms of authorship, date of sources and the 'original' intentions of the writers, all of which present specific methodological problems.

JCTC6903
Socio-Religious Developments:Century 1-3
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit examines the socio-religious developments of the first to third centuries with a focus on the Jewish and Greco-Roman source literature in translation.

JCTC6904
Jewish Sages and Their Institutions
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit studies the personalities, literature and institutions of the period of the destruction of the Second Temple, a great transitional period in which Jewish spiritual leadership moved from priests to sages, the classical works of Rabbinic literature developed, and Judaism was democratized.

JCTC6906
Yiddish Literature in Translation
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit examines aspects of modern Yiddish literature in works by authors such as Peretz, Sholem Aleichem and I.B. Singer.

JCTC6907
Yiddish Popular Culture
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit looks at popular culture in the Yiddish-speaking world, through such genres as proverbs, folk songs and folk- and fairy-tales.

JCTC6908
The Australian Jewish Experience
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit will focus on the evolution of Australian Jewry with particular emphasis on the watershed period before and after the Holocaust. It will analyse government policies toward Jewish refugees in the 1930s and toward Jewish survivors after 1945. It will also look at the contribution of the newcomers and the more recent issues of Nazi war criminals in Australia and Holocaust memorialization.

JCTC6909
Evolution of Judaism in the New World
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit compares and contrasts the Jewish experience and major developments within Judaism in the Jewish communities of the New World, including the United States, Canada, South Africa and Argentina, from the end of the nineteenth century to the present.

JCTC6914
Supervised Reading: Hebrew/Judaic Stud 1
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt.

Students complete a program of supervised, specialised reading in the subject area. Permission required from the postgraduate coordinator prior to enrolment.

JCTC6915
Contemporary Response to the Holocaust
Arts

Credit points: 6 **Teacher/Coordinator:** Prof K Kwiet **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000-6000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

The Holocaust, unprecedented in history, has proved to be an ongoing story, and not one that ended in 1945. The magnitude of events during

the Holocaust has created enormous debate but despite this it still eludes full comprehension. Issues such as the failure to deal with Nazi war criminals, Holocaust denial, and the question of how to effectively memorialize the Holocaust continue to challenge people today. This unit seeks to analyse a wide range of contemporary responses to the Holocaust.

JCTC6916
The Holocaust: A Context of Health
Arts

Credit points: 6 **Teacher/Coordinator:** Prof K Kwiet **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000-6000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Medical Hum, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

'Health' is interpreted in this unit in broad terms using the World Health Organisation's definition, recognising the physical, mental and social well being of the individual, as well as a society in the context of health and health care. As such, topics such as human development and sexuality, as well as theories of racial hygiene utilised by the Nazis will be explored.

JCTC6918
Dissertation - Part 1
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Research and writing towards a dissertation of 12,000 words on an approved topic, under the supervision of an academic member of staff. Candidates should consult the postgraduate coordinator prior to enrolment in order to formulate a topic.

JCTC6919
Dissertation - Part 2
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** JCTC6918 **Assessment:** Completion and submission of a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Completion and submission of a dissertation of 12,000 words

JCTC6920
Treatise Part 1
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a treatise of 20-25,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Candidates undertake a treatise on an approved topic in the field under the supervision of an academic member of staff. The treatise is normally 20-25,000 words in length and is completed over two semesters. Treatise to be completed in JCTC6921.

JCTC6921
Treatise Part 2
Arts

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** JCTC6920 **Assessment:** Completion of a treatise of 20-25,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Candidates undertake a treatise on an approved topic in the field under the supervision of an academic member of staff. The treatise is normally 20-25,000 words in length and is completed over two semesters.

JPNS6908
Issues in Contemporary Japan I
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Mohan **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Dip Arts, Grad Dip Asian Stud, M A, M Asian Stud, PG Coursework Exchange.

This unit of study aims to provide students with exposure to various aspects of the political economy in contemporary Japan. A variety of sources will be used.

JURS6034
Jurisprudence Research Project A
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** JURS6035 **Assessment:** approx 20,000wd research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both JURS6034 and JURS6035 within one or two semesters

Associated degrees: M Jur.

Candidates must submit a detailed proposal and seek approval from the Program Coordinator prior to enrolment.

JURS6035
Jurisprudence Research Project B
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** JURS6034 **Assessment:** approx 20,000wd research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both JURS6034 and JURS6035 within one or two semesters

Associated degrees: M Jur.

Candidates must submit a detailed research project proposal and seek approval from the Program Coordinator prior to enrolment.

University postgraduate units of study – K

KCIL5610
Sounds & Writing in Indigenous Languages
Education and Social Work

Credit points: 6 **Session:** S1 Late Int **Classes:** Block Mode **Corequisites:** KCIL5611 and KCIL5612 **Assessment:** short pre-block reading exercises and in-class activities, between-block tasks and a major assignment/ class test **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

The study of any language requires an understanding of its sounds and the ways in which they relate to each other so that they can be written down. This unit of study introduces students to the production, perception and classification of speech sounds and their organisation into meaningful systems with particular reference to Indigenous Australian languages. It also provides an understanding of the development of writing systems and contemporary approaches to Australian orthography design.

KCIL5611
Words & Meanings in Indigenous Languages
Education and Social Work

Credit points: 6 **Session:** S1 Late Int **Classes:** Block Mode **Corequisites:** KCIL5610 and KCIL5612 **Assessment:** short pre-block reading exercises and in-class activities, between-block tasks and a class test. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Words are the principal vehicles for conveying meaning in most languages. This unit of study gives students a foundation in the description of meaning and the structure and function of words with particular reference to Indigenous Australian languages. It also provides students with the skills to classify words and their component parts and describe the ways in which they combine sound and meaning to make verbal communication possible.

KCIL5612
Sentences & Text in Indigenous Languages
Education and Social Work

Credit points: 6 **Session:** S1 Late Int **Classes:** Block Mode **Corequisites:** KCIL5610 and KCIL5611 **Assessment:** short pre-block reading exercises and in-class activities, between-block tasks and a major assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Sentences and texts are the major units of human language. This unit of study provides students with the understanding and skills to describe these longer strings of language and make generalisations about them. It also considers the relationships between the many varieties of Australian languages that occur for different purposes, in different places and at different times.

KCIL5613
Theories & Methods in Language Learning
Education and Social Work

Credit points: 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** participation, pre-block reading tasks, micro teaching, school-based observations and evaluations, and a major assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Teachers in the language classroom are often confronted with the dilemma of choosing the right method or approach to adequately develop the proficiency of their students. What many do not realise is that there is no one perfect method or approach; what might work in one language teaching situation might not necessarily work in another. Over the last two centuries, a number of methods and approaches have emerged each determined by the social, cultural, economic and political factors of the day. Given this scope, there are teaching situations that have demanded a focus on the development of written proficiency whilst others that of oracy.

The goal of this course is to introduce students to theories of languages education methodology and provide them with the foundations to successfully choose methods and/or approaches that will best cater the teaching of Indigenous languages in Australia. It will include significant methods used in the teaching of the macro (listening and responding, speaking, reading and responding, and writing) skills and the micro (lexico-grammatical) skills; determining teacher and learner roles; and effective language lesson planning.

KCIL5620
Research Methods in Languages Education
Education and Social Work

Credit points: 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** 18 credit points, including KCIL5613 **Assessment:** pre-block reading, in-class activities, between-block tasks and a Research project proposal. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Conducting research in the teaching of Australian languages requires an understanding of diverse issues, including: languages education research methods, the history of research on Indigenous people and languages, locating existing records, practical techniques for obtaining and managing data, project planning, Indigenous research ethics and community consultation. It is also important for students to understand the role of research in high-quality teaching and to gain experience in a range of research methodologies and their potential for application to likely teaching situations in this field. This unit of study allows students to explore these issues and develop practical skills that will allow them to become effective researchers in Indigenous languages education. Students will be expected to directly apply their learning in this unit of study to their activities in KCIL5621 Research Project in Languages Education or KCIL5622 Learning an Indigenous Language.

KCIL5621
Research Project in Languages Education
Education and Social Work

Credit points: 6 **Session:** Semester 2 **Classes:** Block Mode **Corequisites:** KCIL5620 **Prohibitions:** KCIL5622 **Assessment:** To be negotiated between lecturer and students on an individual or group basis equivalent to 5,000 words in total. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Although some Indigenous Australian languages have undergone substantial documentation and are currently being taught, many are in great need of further research and all require more investigation. This unit of study provides students with an opportunity to exercise the skills and knowledge provided in the course to generate new knowledge about particular languages and their teaching.

KCIL5622
Learning an Indigenous Language

Education and Social Work

Credit points: 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** 18 credit points, including KCIL5613 **Prohibitions:** KCIL5621 **Assessment:** as per external unit of study undertaken, 5000 word critical analysis and reflective journal **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

In order to teach an Indigenous language it is essential that the teacher has greater fluency than their students. This unit of study provides an opportunity for students to undertake study outside the degree program to develop their ability to speak an Australian language.

Students may access courses offered by the University of Sydney, another tertiary institution, a TAFE college, school, community language centre, or similar. To obtain credit under this unit of study the external studies must be equivalent to 36 hours of face-to-face teaching and satisfy MILE staff regarding its standard and thoroughness. Students who are already fluent or cannot access an external unit in a language of their choosing should undertake KCIL5621 Research Project in Indigenous Languages as a means to enhance their skills.

KCIL5623
Language Curriculum Development
Education and Social Work

Credit points: 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** 18 credit points, including KCIL5613 **Assessment:** pre-block reading tasks, group presentations, two school visits and a major assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Preceding any successful formal teaching or learning situation is effective programming and planning determined by curriculum parameters. Language curriculum development involves more than just the content to be taught in any given teaching situation. It involves establishing goals and outcomes often defined by external organisations; performing ongoing needs analysis of learning and teaching situations; programming and planning against external and internal factors; designing programs that best address all factors; choosing and designing resources; and determining appropriate assessment and evaluation procedures.

The goal of this unit is to examine these issues against authentic situations and apply knowledge gained towards developing effective language curriculum for quality teaching in Indigenous languages education contexts and across all key learning areas.

KCIL5624
Technology and Language Learning
Education and Social Work

Credit points: 6 **Session:** S2 Late Int **Classes:** Block Mode **Corequisites:** KCIL5623 **Assessment:** participation, pre block readings, between block tasks, presentation and a portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Available to students enrolled in Koori Centre block-mode courses only.

Associated degrees: M Indig Lang Ed.

Effective language teaching and learning can be enhanced by technology. This unit of study introduces students to the diverse technological aids that can enhance their teaching practices and their own language learning. It provides them with samples and models from which they can develop their own multimedia resources.

University postgraduate units of study – L

LATN7002
Latin Literature 2
Arts

Credit points: 6 **Teacher/Coordinator:** Ms F Muecke **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Formal 2 hour exam; seminar paper by arrangement **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

Teaching methodology:analysis and discussion of texts; intended outcome: a greater undersatanding of Latin language, Latin literary history and Roman society.

LATN7011
Latin Reading 1
Arts

Credit points: 6 **Teacher/Coordinator:** Ms F Muecke **Session:** Semester 1 **Classes:** 2 hours per week equivalent (online) **Assessment:** Formal 2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

Independent study and class discussion. This unit aims to broaden students' experience in Roman literature, history and society.

LATN7201
Latin for Postgraduates I
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Watson **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** LATN1001, LATN2301 **Assessment:** 1 x 2 hour exam; 1 x 1 hour exam, classwork and weekly assignments (equivalent to 1500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

The aim of this unit is to provide students with a foundation for the Latin language. It caters for postgraduate students in the Ancient World Studies coursework program and others pursuing disciplines for which a knowledge of Latin is valuable or indispensable. The unit uses graded readings, prescribed texts and exercises to teach grammar and the principles of reading with understanding and also to illustrate cultural, social and historical issues.

LATN7202
Latin for Postgraduates II
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P. Watson **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** LATN7201 **Prohibitions:** LATN1002, LATN2302, LATN2312 **Assessment:** 1 x 2 hour exam, and exercises, assignments and tests (equivalent to 2,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

This unit completes the coverage of the essential grammar and reading skills needed for postgraduate study of Latin and introduces students to unmodified texts.

LAWS6001
Chinese Laws and Chinese Legal Systems
Law

Credit points: 12 **Teacher/Coordinator:** Ms Vivienne Bath (Coordinator) **Session:** S2 Late Ib **Classes:** block/intensive mode - the Winter School will be held in Shanghai, China **Corequisites:** LAWS6252 or law degree from a common law jurisdiction **Prohibitions:** LAWS6857, LAWS3014 and candidates who have completed a law degree in the People's Republic of China **Assessment:** 1x10000wd essay (75%) and 1x2hr20min exam (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Candidates must register their attendance before enrolling. Registration website www.law.usyd.edu.au/cstudent/shanghai Registration enquiries law.winterschools@usyd.edu.au Enrolment enquiries Law.Postgrad@usyd.edu.au

Associated degrees: Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

This unit will provide candidates with an overall picture of the modern Chinese legal system. It will develop a perception of its unique character by tracing its role through major social epochs and the role of law in a socialist market economy. It will examine the concept of law as a political function and the implementation of law, not so much through courts, as through administrative fiats and authority, making law essentially a function of politics and administration.

The unit will illustrate these perceptions through the study of various legal regimes. Lecture topics may include: Chinese legal history; Chinese legal system; criminal law and procedure; constitutional law; civil law and procedure; legal profession; environmental law; contract law; property law; company law; intellectual property law; foreign joint ventures; arbitration and mediation; foreign trade law and taxation law.

The coursework component of the unit is residential and is conducted on the campus of the East China University of Politics & Law in Shanghai, People's Republic of China. Lectures will be given in English in Shanghai by professors from the East China University of Politics & Law. There will also be a visit to a Chinese law firm.

LAWS6007
NZ International Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Mr Casey Plunkett **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xtake home exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

This unit of study will provide an overview of the income tax system of New Zealand and a detailed analysis of the most important New Zealand legislative and treaty rules in the international income tax area, especially in dealings with Australia. The unit aims to provide candidates with an understanding of the policies underlying New Zealand's taxation of international transactions as well as knowledge of the income tax law applicable to inbound and outbound transactions in New Zealand.

LAWS6008
Takeovers and Reconstructions
Law

Credit points: 6 **Teacher/Coordinator:** The Hon Justice R P Austin (Coordinator) **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Assumed knowledge:** LAWS6810 or background in Australian corporate law **Assessment:** 2xclass assignments and 1x2hr open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will involve detailed study of the requirements of chapters 6A, 6B and 6C of the Corporations Act with respect to the acquisition of company shares and takeovers. It will also examine selected aspects of the law concerning corporate reconstruction where a change of control is involved (including schemes of arrangement,

selective reductions of capital and other forms of compulsory acquisition of minority holdings). The unit is taught by lawyers with extensive experience in takeovers and reconstructions.

LAWS6011
Administrative Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Margaret Allars **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x7500wd essay (100%) or 2x3750wd essays (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: compulsory for MALP candidates

Associated degrees: Grad Dip Env Law, Grad Dip P A, Grad Dip Post Law, LL M, M A L P, M Env Law, M P Admin, S J D.

The aim of the unit is to develop a critical perspective upon the accountability of government decision-makers. The unit examines theoretical frameworks for analysis of a range of issues concerning accountability, with reference to relevant principles of administrative law. Part 1 of the unit examines the concept of administrative discretion, alternative theories of the rule of law, human rights, ethics and managerialism. Part 2 of the unit is concerned with the accountability of the executive branch of government. It includes analysis of separation of powers and the doctrine of ministerial responsibility, merits review tribunals, investigative tribunals and tribunal procedure. Part 3 of the unit examines theories of participatory democracy, with reference to relevant legal principles drawn from procedural fairness, rules of standing and consultation requirements in rule making. Part 4 examines theories of open government, with reference to statutory duties to give reasons for decisions and freedom of information legislation. Part 5 examines the proper scope of administrative law by discussion of the issue of its extension to government business enterprises which are corporatised, privatised or contracted out.

LAWS6013
Advanced Employment Law
Law

Credit points: 6 **Session:** S1 Late Int **Classes:** block/intensive mode **Prerequisites:** LAWS6252 or law degree from a common law jurisdiction and LAWS6071 for MLLR candidates **Assessment:** 1xclass participation (20%) and 1xresearch paper (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit is offered to MLLR candidates only. Candidates enrolled in other courses may register on the waiting list and may be allowed to enrol should a place become available.

Associated degrees: M L L R.

This advanced unit of study examines what may be regarded as the individual aspects of labour law. There is a discussion of contract law, of implied terms and of employer and employee duties. There is an analysis of federal and New South Wales legislation and case law on unfair contracts. A major focus is on termination of employment, both at common law and under the Workplace Relations Act 1996 (Cth). The unit concludes with an examination of employee privacy.

LAWS6014
Advanced Financing Techniques
Law

Credit points: 6 **Teacher/Coordinator:** Prof Jennifer Hill **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Assumed knowledge:** (LAWS6810) and (LAWS6038 or LAWS6046) or background in Australian corporate law **Assessment:** 2xclass presentations (20% each) and 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit deals with commonly used commercial structures and techniques for large financings. The unit also examines the use of these structures and techniques in a range of commercial settings, such as takeovers and public/private infrastructures, and in the international context. It is an advanced unit, which assumes a good general knowledge of Australian corporate law and corporate finance. The unit is taught by a team of legal experts with extensive experience in financing techniques. Particular topics covered include:

- Loan syndication
- Domestic and off-shore capital markets
- Takeover finance
- Derivatives
- Securitisation
- Public/private infrastructure finance
- Project finance
- Case studies in international transactions
- Lending to a trust

LAWS6021
Comparative Environmental Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ben Boer, Assoc Prof Rosemary Lyster **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xresearch paper (80%) and class participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Post Law, LL M, M Env Law, M I L, S J D.

The unit examines different approaches to environmental law in various constitutional, administrative, political, judicial, social, economic and cultural contexts. It familiarises students with environmental management regimes in a range of developed and developing countries. These countries may include the United States, New Zealand, Australia, South Africa, the People's Republic of China, Indonesia and various Pacific Island jurisdictions. Four topics focus on: Environmental Impact Assessment, Indigenous Peoples, Cultural Heritage Conservation, and the conservation of Biodiversity. The international legal and policy context is referred to throughout the course. The responses of various countries to the obligations undertaken through the United Nations Conference on Environment and Development are a theme of the unit.

LAWS6023
Contemporary Crime Issues
Law

Credit points: 6 **Teacher/Coordinator:** Prof Julie Stubbs **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x5000wd essay (50%) and 1xtake home exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

The unit will focus on the application of theory and policy analysis to a range of crime-related issues of topical concern. The unit will pay particular attention to the differential distribution of crime across social groups (gender, race, ethnicity, class etc), both for victims and offenders, and the consequences of such a distribution for theory and policy. The unit will also examine media constructions of crime and criminal justice policy.

LAWS6030
Corporate Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Prof Richard Vann **Session:** S1 Late Int, Semester 1, Semester 1a **Classes:** block/intensive mode (Law School) and (1x2hr lec)/wk (Taxation Training Program) **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam or research essay (70%) and class work (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1, Semester 1a.

Associated degrees: Grad Dip Corp Law, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

The unit consists of a detailed examination of the tax rules applied to companies and shareholders in a domestic setting in Australia. The goals of the unit are to develop an understanding of the policies, detailed rules and current practical problems involved in the taxation of companies and shareholders and to explore why different solutions are used for these entities when compared to partnerships and trusts. Upon successful completion of this unit, a candidate should have an advanced understanding of the policies underlying Australia's corporate tax system, as well as a detailed knowledge of the technical detail involved in the rules for the taxation of companies and their shareholders in Australia. Particular attention will be given to tax reform arising from the Report of the Review of Business Taxation. Topics to be covered are:

- the policy and problems of taxing companies and shareholders;

- incorporation, reorganisation, continuation and growing companies;

- taxation of company distributions and dealings with interests in companies, including liquidations and share repurchases;

- imputation, including dividends passing through partnerships and trusts;

- intercorporate dividends and debt equity classification, dividend stripping, redeemable preference shares, asset revaluation dividends, scrip lending, equity swaps and convertible notes; and

- value shifting.

LAWS6032
Crime Research and Policy
Law

Credit points: 6 **Teacher/Coordinator:** Prof Julie Stubbs **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Assessment:** 1x1500wd research paper (30%) and 1x4000-5000wd research proposal (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for MCrim and GradDipCrim candidates and co-requisite for other criminology units. The unit replaced LAWS6032 Crime Research and Policy 1.

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

This unit provides an examination of research methods in the context of criminology. The relationship between theory and methodology is explored. The production of knowledge about crime is critically assessed. Sources and forms of crime data are discussed and their significance is assessed. Research design, research applications and elementary statistics are also studied.

LAWS6034
Criminal Liability
Law

Credit points: 6 **Teacher/Coordinator:** Mr Graeme Coss **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Prohibitions:** This unit is an introduction to aspects of criminal law for non-lawyers and is therefore not available to candidates who have completed a law degree or completed criminal law at a tertiary level **Assessment:** 1x3000wd research paper (40%) and 1xopen book exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for MCrim candidates

Associated degrees: Grad Dip Crim, M Crim.

This unit canvasses the ways in which criminal liability is established, and the central factors governing liability. General principles of criminal law, constituent elements of particular offences and the definition of a range of defences are analysed from theoretical and practical perspectives. At most stages of the unit, the focus will be on male violence.

LAWS6035
Criminal Procedures
Law

Credit points: 6 **Teacher/Coordinator:** Mr Bron McKillop **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3000wd essay (40%) and 1x2.5hr exam (60%) or 1x4500wd essay (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

This unit aims to examine the processes of the criminal justice system through a consideration of its successive and main stages and of the roles of the principal participants in the system, particularly the police, suspects, accused persons, prosecutors, defence counsel, judges and experts. The focus of the unit will be the processes of criminal justice in New South Wales as well as the rest of Australia, but comparisons will be made from the beginning with continental European criminal justice systems, particularly the French.

LAWS6037
Customs Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Alan Bennett **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xresearch essay (70%) and classwork (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The unit is a comparative study of international customs law and administrations and is based on examining some of the practical difficulties associated with the implementation of new customs laws in various jurisdictions. The Kyoto convention, which sets out the minimum requirements of any new customs law, is examined in some detail focusing in particular on: customs control; customs declarations; administrative penalties; customs securities; transparency and customs rulings; risk management initiatives etc. The unit also examines the international customs harmonised tariff illustrating the structure, notes and in particular, the rules for interpretation of the tariff. The WTO customs valuation methodologies are also studied (from Article VII of the GATT) with particular emphasis given to the transaction value method of customs valuation. The treatment of management fees, royalties, commissions, production assist costs, research and development expenditure and other difficult areas are also reviewed. Article VI of the GATT, which makes provision for anti-dumping law, is also considered providing practical examples of how this law operates in various jurisdictions.

LAWS6038
Debt Financing
Law

Credit points: 6 **Teacher/Coordinator:** Mr Dennis Scott **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Assumed knowledge:** LAWS6810 or background in Australian corporate law **Assessment:** 2xclass presentation (20% each) and 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit focuses on legal aspects of debt financing in an increasingly global market environment. Much of the unit deals with enforcement issues in the insolvency context, which can highlight the types of protection for which creditors should have bargained to safeguard their positions. The unit assumes a good general knowledge of Australian corporate law. The unit is taught by a number of legal practitioners, with special expertise in issues relating to debt financing. Particular topics covered include:

- The nature and priority of charges

- The lender/trustee/manager relationship

- Financial covenants

- Negative pledges

- Hybrids

- Guarantees and third party securities

- Issues involving secured creditors
- Set-off
- Aspects of enforcement by creditors
- Voluntary administration
- Subordinated debt
- Receivership

LAWS6039
Discrimination in the Workplace
Law

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Smith **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (depending on enrolments) (20%), 1xproblem assignment (30%) and 1xessay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Post Law, LL M, M L L R, S J D.

In this unit we examine the nature of discrimination in the workplace and the legal response to it in Australia. We start by considering the theoretical perspectives on equality that underpin our legislation and ideas about effective regulation. We then examine how anti-discrimination law is applied in respect of a number of different grounds of discrimination - such as sex, race, disability, and family responsibilities - reviewing recent cases and current issues. We will also discuss enforcement mechanisms and processes under anti-discrimination legislation and what, if any, effect the legislation has had on workplace processes and culture.

LAWS6040
Drugs, Drug Policy and the Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Terry Carney **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xresearch paper (65%), 1xtake home exam (25%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip H L, Grad Dip Post Law, Grad Dip Pub H L, LL M, M A L P, M H L, S J D.

This unit deals with the law relating to drug control policies in Australia, both at State and Federal levels (including international treaties). Background material on the nature and incidence of drug use, pharmacological and medical issues, as well as philosophic, economic, criminological and public policy literature will be considered where relevant.

The unit covers substantive topics from criminal law, civil treatment and welfare law. Topics to be covered will include: the context, including: history of drug policy; State/Federal division of responsibility; nature and incidence of use of substances; international and domestic policy constraints and debates; the law enforcement elements, including: detection of drug offences; special powers; investigation, prosecution; elements of drug offences possession/use, trading, cultivation, manufacture, importation; sentencing options/directives; sentencing characterisation of levels; confiscation of assets; civil treatment, including: the history of civil commitment; the civil commitment model; a public health (detoxification) model; non-legislative options; generic welfare measures, including: income support; accommodation; health services; overview/summary, including: options and directions for change.

LAWS6041
Environmental Dispute Resolution
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rosemary Lyster, Ms Kate Miles, Ms Nicola Franklin **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x7000wd essay (80%) and class participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, S J D.

This unit aims to explore the nature of environmental disputes and the means of resolving them. The means examined include judicial review, administrative appeals and public inquiries and non-adjudicative or consensual means such as mediation. Critical evaluation of the forms and limits of dispute resolution strategies, including appropriateness of each means in resolving different types of environmental disputes, will be explored. The unit involves the use of innovative teaching techniques: lectures will be alternated with small group workshops, mediation simulations, a public inquiry and a mock court-hearing. In addition to the lecturers, there are guest lecturers including (subject to availability) a Land and Environment Court judge, Commissioner of Inquiry, Senior Counsel and a trained mediator from the Land and Environment Court. Participation in the practical exercises is a compulsory condition of the unit.

LAWS6043
Environmental Impact Assessment Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Bernard Dunne **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** LAWS6252 or law degree from a common law jurisdiction. Please refer to the Law Faculty Handbook for requirements specific to your course. **Assessment:** 1x4000wd essay (50%) and 1xtake home exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M A L P, M Env Law, M Envi Sci Law, S J D.

This unit has three fundamental aims. The first is to provide a sound analysis of Environmental Impact Assessment (EIA) procedures in NSW and at the Commonwealth level. The second aim is to develop a critical understanding of EIA as a distinctive regulatory device by examining its historical, ethical and political dimensions as well as relevant aspects of legal theory. The third and ultimate aim is to combine these doctrinal and theoretical forms of knowledge so we can suggest possible improvements to the current practice of EIA in Australia.

LAWS6044
Environmental Law and Policy
Law

Credit points: 6 **Teacher/Coordinator:** Dr Gerry Bates **Session:** S1 Late Int, S2 Intensive **Classes:** block/intensive mode **Prerequisites:** LAWS6252 or law degree from a common law jurisdiction **Assessment:** 2x4000wd essays (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode
Note: compulsory for all environmental law candidates and pre-requisite for other law units

Associated degrees: Grad Dip Env Law, Grad Dip P A, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, M P Admin, S J D.

The aim of the unit is to introduce candidates to overarching themes in environmental law and policy as a foundation to their more detailed studies for the Environmental Law Program. This is an overview unit addressing a number of environmental issues at various levels of analysis; such as policy making, implementation of policy and dispute resolution. The unit covers the law and policy relating to environmental planning, environmental impact assessment, pollution and heritage. The concept of ecologically sustainable development and its implications for environmental law and policy is a continuing theme. The unit is designed to develop multi-dimensional thinking about environmental issues and the strategies needed to address them. The unit provides a broad background of the political and economic issues in so far as they are related to the legal issues involved.

LAWS6045
Environmental Planning Law
Law

Credit points: 6 **Teacher/Coordinator:** Ms Nicola Franklin **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x4000wd essay (50%) and 1xproblem based 4000wd assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip P A, Grad Dip Post Law, LL M, M A L P, M Env Law, M Envi Sci Law, M P Admin, S J D.

This unit examines the legal and institutional structures in New South Wales for land-use regulation and the resolution of land-use conflicts. The focus is on environmental planning, development control and environmental impact assessment under the Environmental Planning and Assessment Act 1979 (NSW) and cognate legislation. The unit provides an opportunity to explore contemporary urban issues, such as urban consolidation and infrastructure funding. Federal interest in the cities is also examined.

While an important aim of the unit is to provide candidates with an understanding of the New South Wales environmental planning system, the unit also aims to develop the capacity to evaluate environmental policies and programs through exploring theoretical perspectives on the function of environmental planning. The unit will critically evaluate the function and design of environmental planning systems and the legal ambit of planning discretion. Significant influences, such as escalating environmental and social concerns about our cities, will be discussed, together with an evaluation of processes and forums for public involvement in land-use policy and decision making.

A good grounding in this area will be of assistance to candidates undertaking other units in the Environmental Law Program.

LAWS6046
Equity Financing
Law

Credit points: 6 **Teacher/Coordinator:** Prof Jennifer Hill **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Assumed knowledge:** LAWS6810 or background in Australian corporate law **Assessment:** 1xexam (60%) and 2xclass presentations (20% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: application of the disclosure provisions to corporate fundraising is covered in the unit LAWS6100 Corporate Fundraising

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit focuses on the corporate law aspects of equity fundraising. At a theoretical level, this unit is underpinned by the privileged position of equity within corporate law. However, the unit also has a strongly commercial approach, and is taught by a range of expert practitioners in the area. Particular topics covered in the unit include:

- Accounting standards, profits and auditors' duties
- Dividends
- Incorporated joint ventures and strategic alliances
- Unincorporated joint ventures and strategic alliances
- Profits and dividends
- Capital restructuring - a comparative analysis of transactions affecting share capital
- Regulated financial transactions under chapter 2E of the Corporations Act
- Corporate reconstructions and schemes of arrangement
- Underwriting and the role of regulators
- Issues in comparative equity finance
- Release of capital through securitisation
- E-commerce and technology in capital markets

LAWS6047
Law of the Sea
Law

Credit points: 6 **Teacher/Coordinator:** Dr Tim Stephens **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xessay (60%) and 1xtake home exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Post Law, LL M, M Env Law, M I L, S J D.

This unit reviews the major areas of the law of the sea in the 1982 UN Convention on the Law of the Sea, additional international conventions and agreements and current state practice. Each of the major maritime zones is assessed in addition to a specific review of sectorial issues such as navigation rights and the marine environment. Appropriate reference will be made to Australian law and practice.

LAWS6048
Explaining Crime
Law

Credit points: 6 **Teacher/Coordinator:** Dr Murray Lee **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Assessment:** 1xtake home exam, 1x4500wd essay and class work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for MCrim and GradDipCrim candidates and co-requisite for other criminology units

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

This unit examines the relevance of theory to the process of explaining crime as a social phenomenon. It will selectively analyse the history of criminological thought. Special attention will be given to the cross-disciplinary nature of efforts to understand crime, criminality and their causes. A significant section of the unit will deal with contemporary approaches to criminological explanation including the influence of feminism and postmodernism. Contemporary theorists such as Foucault, Garland and Braithwaite will also be considered. The unit will endeavour to make explicit the links between criminological theory and the development of public policy.

LAWS6054
Health Care and Professional Liability
Law

Credit points: 6 **Teacher/Coordinator:** Dr Kristin Savell **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xclass presentation (10%), 1x2000wd class paper (30%) and 1x5000wd take home exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Compulsory for GradDipPubHL candidates. MHL candidates may select this unit as one of the three compulsory units required in addition to LAWS6252 or LAWS6881.

Associated degrees: Grad Dip H L, Grad Dip Post Law, LL M, M H L, S J D.

This unit examines the legal issues relating to professional liability in health care. Areas to be addressed include: principles of negligence and their application to the liability of health professionals; other forms of liability including contractual liability and breach of fiduciary duties; liability of hospitals (both direct liability and vicarious liability for the acts of employees); procedures for complaints against health professionals; and disciplinary proceedings. Proposals for reform of professional liability, including no-fault compensation, will also be evaluated.

LAWS6055
Heritage Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ben Boer **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x4000wd research paper (50%) and 1xproblem assignment (50%) **Practical field work:** field trip **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, S J D.

This unit focuses on the conservation of natural and cultural heritage, including intangible heritage, underwater heritage and Australian Aboriginal heritage. International, national, state and local regimes for heritage conservation are looked at and put into the context of broader environmental decision making. The unit aims to bring together a range of interdisciplinary strands in archaeology, anthropology, cultural and natural history, art, architecture and urban planning, and to weave them into a framework for the legal protection of world, national, state and local heritage. An integral component of the unit is field trip to areas of relevance to cultural and natural heritage conservation, focusing on northern New South Wales. Places to be studied include various towns and sites on the New South Wales State Heritage Register and on local government heritage lists, as well as habitats of threatened species and ecological communities and World

Heritage areas listed under the relevant Commonwealth and State legislation. The field trip provides a unique opportunity to understand how principles of international and domestic law are implemented locally. The field trip component will be arranged in conjunction with the field trip for LAWS6165 Biodiversity Law. Candidates are encouraged to take both units of study; they are designed to complement each other closely.

Textbooks
A book of reading materials and a field trip manual will be prepared and distributed

LAWS6058
Information Rights in Health Care
Law

Credit points: 6 **Teacher/Coordinator:** Prof Belinda Bennett **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xclass presentation and 1500wd paper (20%) and 1xtake home exam (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Compulsory for GradDipPubHL candidates. MHL candidates may select this unit as one of the three compulsory units required in addition to LAWS6252 or LAWS6881.

Associated degrees: Grad Dip H L, Grad Dip Post Law, LL M, M H L, S J D.

This unit deals with the rights to information in the modern health care system. The unit will focus on consent to treatment and will include discussion of: capacity, the duty of health professionals to disclose the risks of treatment, refusal of treatment and emergency health care. The unit will also examine duties of confidentiality in health care, ownership of and access to medical records, and information rights in medical research.

LAWS6059
International Business Law
Law

Credit points: 6 **Teacher/Coordinator:** Ms Vivienne Bath (S61), Ms Jacqui Mowbray (S2) **Session:** S1 Late Int, Semester 2 **Classes:** block/intensive mode (S61) and (1x2hr lec)/wk (S2) **Corequisites:** LAWS6252 or law degree from a common law jurisdiction **Assessment:** 1x3500wd assignment (50%) and 1x2hr20min exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Compulsory for MIntBus&L candidates

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

The objective of this unit is to provide candidates with an introduction to a number of areas of international business law and to provide an opportunity to study some of those areas in more detail.

The unit begins with an overview of the scope of the law relating to international transactions. The core topics are international sale of goods, carriage of goods, international payments and financing of international sales and methods of doing business in foreign markets, including through agents and distributors and international licensing transactions. Other topics may vary from year to year and may include an introduction to international tax, elementary customs law and international dispute settlement.

Textbooks
Robin Burnett, Law of International Business Transactions (The Federation Press, 2004, 3rd ed)

LAWS6060
International Commercial Arbitration
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Luke Nottage **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x4000wd research essay (50%), 1xtake home exam (20%) and class participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

This unit introduces candidates to the preferred method of resolving international commercial disputes. It has two primary aims, to:

(a) outline key principles in the law of international commercial arbitration (ICA), and discuss a range of cutting-edge legal issues; and

(b) nurture a sophisticated understanding of the historical development, and likely future path, of ICA systems in relation to other forms of dispute resolution in trans-border contexts.

Related, secondary aims are to develop:

(c) ability to discuss or argue arbitration law issues with colleagues; and

(d) familiarity with key reference materials, expertise in conducting independent research, and skills in effective legal writing in this field.

Introductory classes consider how ICA relates to litigation and ADR, survey some of the most important transnational and Australian "legislative" instruments, and introduce major trends: (i) ICA's rebirth in the 1950s and 1960s, its formalisation over the 1980s, and possible counter-tendencies particularly since the mid-1990s, and (ii) tensions between global harmonisation and local or regional variation. Part 2 of the unit examines these trends in more detail, including ICA's forays into new fields, and developments in the Asia-Pacific region. Part 3 revisits some key legal principles and other topics currently being scrutinised by the UN, including ICA's relationship with mediation. Part 4 discusses other hot topics in ICA law, to be agreed upon. The unit ends with practice in drafting and critically analysing arbitration agreements or Rules of arbitral institutions or in participating in arbitration proceedings (assessed as part of class participation).

LAWS6061
International Environmental Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ben Boer **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xproblem based 2500wd assignment (30%) and 1x5500wd essay (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, M I L, S J D.

This unit aims to provide candidates with an overview of the development of international environmental law throughout the twentieth century. Attention will primarily be devoted to the international law and policy responses to global and regional environmental and resource management issues. Basic principles will be discussed prior to taking a sectoral approach in looking at the application of international environmental law in specific issue areas. The unit includes material on implementation of international environmental law in the Asia Pacific region. Relevant Australian laws and initiatives will be referred to from time to time. The focus is on law and policy that has been applied to deal with environmental problems in an international and transboundary context.

LAWS6062
International Law-the Use of Armed Force
Law

Credit points: 6 **Teacher/Coordinator:** Ms Nicole Abadee, Ms Alison Pert **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xresearch essay (80%) and class participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Int Sec, Grad Dip I L, Grad Dip Post Law, LL M, M I L, S J D.

This unit will survey and analyse the principles of customary international law and the rules of conventional law which apply in the case of armed conflict between states. The role of the United Nations in preventative diplomacy, peace-keeping, peace enforcement, and the authorisation of the collective use of force will be included. Consideration will also be given to police enforcement action by States and self defence. Case studies dealing with the Gulf War, NATO action in Kosovo, the INTERFET operation in East Timor, and the 2003 Iraq War will be considered. This unit will not give detailed consideration to International Humanitarian Law and is designed to complement the unit in that area.

LAWS6063
International Trade Regulation
Law

Credit points: 6 **Teacher/Coordinator:** Dr Brett Williams **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** limited knowledge of law of treaties **Assessment:** 1xexam (33.3%) and 1x2500-2900wd essay (33.3%) and 1x2500-2900wd casenote on a case chosen from a list (33.3%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

This unit is an introduction to the law of the World Trade Organization (WTO) and to the context of economics and politics within which the law operates. Candidates may wish to continue on to take LAWS6249 Advanced International Trade Regulation (also available in some years in the Sydney LLM in Europe program) which builds upon the knowledge gained in this unit and considers some additional topics of WTO law. The introductory unit considers economic and political arguments for and against protection based on some basic economics of trade and of public choice. The unit presents an overview of the history of the General Agreement on Tariffs and Trade (GATT) and the creation of the Agreement Establishing the WTO ending with a review of the institutions of the WTO and of the framework of rules applying under the GATT. There follows a more detailed study of the WTO dispute settlement system. The unit then studies the framework of rules under the General Agreement on Trade in Services (GATS) and presents a very brief outline of the Agreement on Trade-Related Aspects of Intellectual Property (TRIPS). The unit analyses in more detail some of the fundamental rules of the GATT: rules on tariff bindings & customs duties, national treatment, non-tariff barriers, the MFN rule on non-discrimination and an introduction to the rules on subsidies. Part of the assessment requires candidates to think critically about the object and function of the GATT and its dispute settlement system.

Textbooks
Ordinarily, a single book will be the required book of cases and materials for LAWS6063 and for LAWS6249 (Last year, the required book was Jackson, Davey & Sykes, Legal Problems of International Economic Relations - Cases, Material and Text (West, 4th ed, 2002) [ISBN# 0-314-24660-6]). Candidates should consult the Course Information and Outline on WebCT (or the abbreviated version available on the Faculty website one month before the course begins). Plus 3 books of supplementary issued materials. Required Treaties: Candidates will need copies of some of the WTO treaties to bring to class. Candidates may wish to print them from free online sources. See the Course Information and Outline on WebCT (or the abbreviated version on the Faculty website one month before the course begins) to find out which treaties should be obtained. Alternatively, candidates may wish to purchase: WTO, The Legal Texts - The Results of the Uruguay Round of Multilateral Trade Negotiations (CUP, 1999)[ISBN# 0521785804 (for Paperback)].

LAWS6071
Labour Law
Law

Credit points: 6 **Teacher/Coordinator:** Dr Shae McCrystal **Session:** S1 Intensive **Classes:** block/intensive **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** WORK6116 **Assessment:** 1x4000wd essay (40%), class participation (10%) and 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for MLLR candidates and pre-requisite for other law units

Associated degrees: Grad Dip Post Law, LL M, M L L R, S J D.

The purpose of this unit is to introduce candidates to the principles of labour law. It is a 'perspectives' unit of study, in the sense that it seeks to introduce students to the principles which underpin labour law. There is an examination of the role and the future of labour law in this country. The sources of labour law are examined, and these include the common law, statutes, awards and agreements and international conventions. There is an overview of the employment contract and employment termination. Australian labour deregulation is examined, along with the history and present functions of constitutional issues and of federal and state enterprise bargaining and agreement-making. The unit concludes with a brief examination of the laws on industrial conflict.

LAWS6075
Legal Issues in Health Care & Technology
Law

Credit points: 6 **Teacher/Coordinator:** Dr Isabel Karpin **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** LAWS6252 or law degree from a common law jurisdiction **Assessment:** class presentation (20%) and 1xessay (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip H L, Grad Dip Post Law, LL M, M H L, S J D.

This unit deals with topical issues in the area of health law and ethics. The unit content will change as new issues arise in this rapidly developing area. Initially the unit will focus on the following: law and genetics including an examination of the legal implications of mapping the human genome, genetic discrimination and the legal uses of genetic information; euthanasia including recent debates surrounding its legalisation in some states; newborns with disabilities, organ donation and living wills. The unit will consider the impact of new technologies and the adequacy of existing legal and ethical responses. In particular we will explore whether existing legal paradigms such as property, tort and contract law provide a framework for addressing the new concerns that arise.

LAWS6077
Legal Research 1
Law

Credit points: 6 **Teacher/Coordinator:** Prof Terry Carney **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Prohibitions:** not available to coursework candidates **Assessment:** 1x4000-6000wd essay (60%), 1x critical analysis of another candidate's research strategy essay (30%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for all research degree candidates. The unit must be undertaken within the first year of candidature.

Associated degrees: LL M, M Crim, Ph D, S J D.

The primary goal of this unit is to develop skills in undertaking a significant piece of legal research at levels of sophistication suitable for examination (in case of thesis candidates), and/or publication. At the conclusion of the unit it is anticipated that members of the class will be able to conceptualise the issues to be researched; will be able to locate relevant legal and other materials (using both hard copy and electronic bibliographic aids); will be able to place and sustain an argument (a 'thesis'); and will be able to assess both the quality of that work and to judge the merits of other approaches to planning such research. It is expected that candidates will become familiar with using comparative materials (both within the federation and international), and will gain a working familiarity with relevant research techniques of other disciplines in the social sciences. The unit aims to encourage debate about the respective merits of different approaches, ethical issues, and the hallmarks of 'quality' research.

LAWS6096
Work Safety
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ron McCallum **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (20%) and 1x8000wd research paper (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I R & H R M, Grad Dip Post Law, Grad Dip Pub H L, LL M, M I R & H R M, M L L R, S J D.

This unit of study is on occupational health and safety law. Its main focus is upon the Occupational Health and Safety Act 2000 (NSW), its federal and state counterparts and the relevant case law.

An examination is also made of the history of safety regulation, the failure of the common law to reduce accidents, the Robens reforms, the employee and employer duties and safety management systems.

LAWS6100
Corporate Fundraising
Law

Credit points: 6 **Teacher/Coordinator:** The Hon Justice R P Austin (Coordinator) **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Assumed knowledge:** LAWS6810 or background in Australian corporate law **Assessment:** 2xclass assignments and 1x2hr open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

The unit will involve a detailed study of the disclosure provisions and other requirements of chapter 6D of the Corporations Act, with particular focus on their application to the offer of company shares for issue or sale. However, some attention will also be given to listed managed investment schemes regulated under the Financial Services Reform Act. Attention will be paid to additional relevant legal requirements, including the ASX Listing Rules, for initial public offerings and other fundraisings. The unit is taught by lawyers with extensive experience in the field of corporate fundraising.

LAWS6107
Tax Litigation
Law

Credit points: 6 **Teacher/Coordinator:** Mr Roger Hamilton **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x3000wd assignment (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

The unit will examine the procedural and evidentiary aspects of the process of contesting assessments and collection procedures under Commonwealth taxation laws, as well as other proceedings involving the Commissioner of Taxation. Topics covered include information collection, challenging appeals, evidence, challenging Commissioner's discretions, and recovery of unpaid tax.

LAWS6109
UK International Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Prof Malcolm Gammie **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xtake home exam or research essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

This unit covers the domestic provisions of UK income tax and CGT law dealing with international transactions, as well as UK treaties and the impact of EU law on the UK tax system. The UK remains one of Australia's major trading partners. UK taxation thus has significant effects for inbound and outbound investment between Australia and the UK. This unit will be of interest to tax professionals who have dealings with the UK. The objective of the unit is to provide an overview of the income tax system of the UK and a detailed analysis of the most important legislative and treaty rules of the UK in the international income tax area, especially in dealings with Australia. Upon successful completion of the unit, participants will have an advanced understanding of the policies of the UK rules for taxing international transactions as well as a detailed knowledge of the principles of income tax law applicable to inbound and outbound transactions in the UK. The unit includes a study of:

1. Overview of the UK income tax system
2. Taxation of inbound investment in the UK
3. Taxation of outbound investment in the UK
4. Transfer pricing in the UK
5. UK tax treaties
6. Australia UK Tax Treaty

LAWS6112
Tax Administration
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Cynthia Coleman **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x3000wd assignment (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M A L P, M B L, M Int Tax, M Tax, S J D.

Tax Administration is a study of the theoretical and practical issues that arise in the administration of the Australian tax system, concentrating primarily on the income tax. The unit of study is structured around the key design features of any system of tax administration, namely ascertainment of liability (particularly self assessment), dispute resolution, and collection and recovery of tax. Particular emphasis will be given to the reforms implemented as a result of the Government's Review of Self Assessment. Wherever relevant, the interaction of administration issues with the substantive provisions of the tax law will be considered. Candidates should gain an understanding of the foundational rules underlying the administration of the income tax laws and a detailed knowledge of the application of those laws to a variety of common dealings between taxpayers and the tax administration.

LAWS6118
Taxation of Partnerships & Trusts
Law

Credit points: 6 **Teacher/Coordinator:** Prof Richard Vann, Ms Karen Rooke **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam (70%) and classwork (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

The object of this unit is to examine the policy and practical issues that arise in Australia by virtue of the rules for the taxation of income derived through unincorporated entities. The focus is on partnerships, corporate limited partnerships, trusts, unit trusts, deceased estates, corporate unit trusts and public trading trusts. The goals of the unit are to develop a detailed understanding of the policies, technical rules and practical problems involved in the taxation of these arrangements. Upon successful completion of this unit a candidate should have an advanced understanding of the technical rules underlying the taxation of partnerships and trusts in a variety of forms and in a variety of commercial situations.

The unit covers:

- problems of taxing entities;
- problems of taxing entities, partnerships and trusts contrasted with companies;
- classification of entities for tax purposes;
- taxation of partners;
- taxation of trusts other than unit trusts and their beneficiaries;
- taxation of unit trusts and their beneficiaries;
- taxation of limited partnerships.

LAWS6122
Workplace Bargaining

Law

Credit points: 6 **Teacher/Coordinator:** Dr Shae McCrystal **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x1500wd essay, class participation and 1x7000wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Post Law, LL M, M L L R, S J D.

This advanced unit examines what may be best described as the collective aspects of labour law. The unit covers unregistered agreements, the use of the federal labour power, other heads of constitutional power including the corporations power, enterprise bargaining under federal and New South Wales law, Australian Workplace Agreements and the laws concerning industrial disputes which include common law torts, industrial statutory provisions and Trade Practices Act remedies.

LAWS6123
Transfer Pricing in International Tax
Law

Credit points: 6 **Teacher/Coordinator:** Ms Melissa Heath **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6209 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x3000wd assignment (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Bus & Law, M Int Tax, M Tax, S J D.

Transfer Pricing in International Taxation examines transfer pricing law and practice in Australia in the area of international taxation. Transfer pricing continues to be rated by tax directors as the number one international tax issue they face. The release of the OECD Transfer Pricing Guidelines for Multinational Enterprises and Tax Administrations in 1995 and the ongoing updates, the rewrite of the US Regulations over the period 1988-1994, and the substantial transfer pricing rulings program of the Australian Taxation Office, have together significantly increased the international and Australian materials available on the law and practice in transfer pricing. Students will gain an understanding of the policy, and detailed application of transfer pricing rules within Australia and an understanding of the international framework.

LAWS6124
Stamp Duties
Law

Credit points: 6 **Teacher/Coordinator:** Dr Holger Sorensen, Mr Mark Richmond **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam (60%) and 1xclass assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Corp Law, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

The object of this unit is to consider in detail the application of the stamp duties legislation to various commercial transactions. Particular attention will be paid to the ongoing attempts to enact uniform legislation in the Australian states. Upon successful completion of this unit a candidate should have an advanced understanding of the fundamental principles underlying the operation of the state stamp duties laws and detailed knowledge of the application of stamp duties to a variety of common commercial transactions. The unit will examine the stamp duties legislation and the application of the provisions of those acts to various property, contractual and trust situations commonly encountered in practice.

LAWS6125
Taxation of Financial Transactions
Law

Credit points: 6 **Teacher/Coordinator:** Mr Paul O'Donnell **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam (70%) and classwork (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Corp Law, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

This unit will analyse the current law on taxation of financial transactions and institutions in Australia. Common forms of innovative financial instruments will be examined including forward and futures contracts, derivatives instruments, various forms of corporate financing including preference share financing, convertible notes and leasing. Domestic and selected withholding tax issues will be examined. The unit will explore in detail the reform of the taxation of financial transactions. The taxation of banks and other financial institutions will also be examined. Upon successful completion of this unit a student should have an advanced understanding of the technical rules underlying the taxation of financial institutions and certain specified financial transactions. The unit covers:

- characterisation (capital/revenue);
- derivation and incurrence;
- general principles applicable to financial institutions;
- funding and debt-related derivatives;
- foreign exchange and forex derivatives;
- preference share financing;
- leasing;
- selected withholding tax issues;
- overseas comparisons.

It is likely in late 2007 and early 2008 that substantial modification t current law will occur through enactment of the final stages of the Taxation of Financial Arrangements regime. In that event, the unit of study will include the topics above but give substantial time to the new regime.

LAWS6127
Taxation of Superannuation and Insurance
Law

Credit points: 6 **Teacher/Coordinator:** Mr Shayne Carter **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6213 **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** classwork (30%) and 1xexam or 1xresearch paper (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

This unit consists of a detailed examination of the effects of income taxation on the superannuation and insurance industries with emphasis on recent reforms. The goal of the unit, in general terms, is to develop an understanding of the Australian taxation regime for taxing the capital and income of these industries, through the analysis of a number of specific problems which will be discussed in detail in each seminar.

Topics covered include:

- the Superannuation Industry (Supervision) Act: introduction to the policy and regulatory framework;
- taxation of superannuation: overview of policy and legislative framework;
- superannuation contributions: SGC, award, employment, contracting, deductions;
- taxation of superannuation funds;
- benefit limits;

- taxation of eligible termination payments;

- taxation of pensions and annuities;

- taxation of life insurance as it relates to superannuation;

- taxation of life insurance companies on non-superannuation business; and

- taxation of general insurance business.

LAWS6128
Comparative International Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Prof Lee Burns **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x4000wd assignment (40%) and 1x2hr exam or research paper (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: compulsory for MIntTax candidates

Associated degrees: Grad Dip Com, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

Comparative International Taxation is a detailed study of the basic principles of international taxation (residence, source, relief from international double taxation, anti-deferral rules, withholding tax, transfer pricing, thin capitalisation, and tax treaties). The unit is taught from a global perspective with the emphasis being on comparative analysis (focusing particularly on Anglo, US and continental European approaches, and also developed and developing country approaches). The unit examines the core issues in developing international tax rules and identifies different approaches countries have taken in dealing with these issues. As part of this study, recent trends in international tax rule development will be identified (particularly in the context of globalisation) and critiqued. Candidates should gain an understanding of the different approaches that countries have taken in the development of their international tax rules.

Textbooks
Available for purchase at the Law School: Arnold & McIntyre, International Tax Primer; Ault & Arnold, Comparative Income Tax

LAWS6130
Dispute Resolution in Australia
Law

Credit points: 6 **Teacher/Coordinator:** Prof Hilary Astor **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3000wd research essay (50%) and 1xtake-home exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip H L, Grad Dip Post Law, LL M, M A L P, M Env Law, M H L, M I R & H R M, M L L R, S J D.

Dispute Resolution in Australia is designed to give candidates a broad understanding of the theory, policy and practice of ADR. It will enable candidates to understand various alternative dispute resolution processes, their advantages and limitations; understand the application of ADR in particular areas of practice: understand key theoretical debates about mediation; be able to advise others about ADR processes; be better participants in ADR processes; be better able to evaluate the possible applications of various dispute resolution methods. The use of ADR in employment and health care disputes will be considered. (Please note that this is not a skills unit and candidates will not be trained as negotiators or mediators).

LAWS6135
Law and Society in Indonesia
Law

Credit points: 6 **Teacher/Coordinator:** Dr Simon Butt **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** (1x7000-8000wd essay (100%)) or (class presentation and 1x take home exam (50%) and 3000wd essay (50%)) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Jur, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, M Jur, S J D.

This unit aims to introduce candidates to a wide variety of areas of Indonesian law, with a focus on topical issues. These include Indonesia's place within the civil law tradition, the judiciary, human rights, constitutional reform, Indonesia's legal pluralism and some aspects of commercial law, including intellectual property.

By the end of the unit, candidates should have an understanding of:

- Indonesia's legal system and some of the reasons for its dysfunction, with a focus on the judicial system

- Indonesia's legal pluralism, including some aspects of Islamic law - particularly family law.

- Recent constitutional and institutional reform in Indonesia.

- Aspects of doing business in Indonesia.

Textbooks
Suggested background reading - Lindsey T (ed) Indonesia: Law and Society, 2nd edition, 2005. The Jakarta Post newspaper (available online at www.thejakartapost.com). The prescribed text book is Lindsey, T, Indonesia: Law and Society, 2nd edition, 2005.

LAWS6147
Independent Research Project
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Assessment:** 10,000wd research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: LL M, M A L P, M B L, M Crim, M Env Law, M H L, M I L, M Int Tax, M Jur, M L L R, M Tax, S J D.

The goal of this unit of study is to provide candidates with an opportunity to pursue advanced research in an area of their choosing, under the supervision of a Faculty staff member. The unit is only available in special circumstances and with the approval of the Associate Dean (Coursework) or his or her delegate, in consultation with the relevant Program Coordinator where applicable.

The unit is available as a one semester unit of study worth 6 or 12 credit points or as a full-year unit of study worth 12 credit points. Given the nature of the unit, there are no set topics. This will be determined on a case-by-case basis. The project must involve a fresh piece of research and writing. Material that has been previously submitted for assessment in any other unit of study may not form part of this project. No more than 12 credit points of this unit may be credited towards the requirements for a Masters or SJD program in respect of any candidate. The unit is not available to Graduate Diploma candidates or to candidates for the Master of Criminology, Master of International Law and Master of Jurisprudence. In the case of candidates enrolled over a single semester, the project must be submitted for assessment by the last day of classes in the semester in which the candidate is enrolled in this unit of study. In the case of candidates enrolled over a full year, the project must be submitted for assessment by the last day of classes in the second semester in which the candidate is enrolled in this unit of study. The project will normally be assessed by the faculty member who acts as supervisor. However, the Associate Dean or delegate may designate an independent assessor, who may or may not be a member of the faculty.

Enrolment is contingent upon:

1. the candidate formulating, in advance of enrolment, a well-defined research project, including a statement of methodology to be used and availability of necessary research materials;

2. the candidate providing a written statement outlining the special circumstances justifying enrolment in this unit;

3. approval in writing from a member of the Faculty who agrees to serve as supervisor and assessor for the project;

4. approval in writing from the relevant Program Coordinator, where applicable; and

5. approval in writing from the Associate Dean or delegate. Approval will only be given where the Associate Dean or delegate is satisfied that the above conditions are met and no other unit of study is being offered in the year of enrolment which would permit the candidate to undertake study in the proposed area.

The application form must be submitted by:

30 September - commencement in Session 1

30 April - commencement in Session 2

LAWS6153
Comparative Corporate Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Dr Peter Harris **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam or essay (70%) and classwork (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Corp Law, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The goal of the unit is to provide a comparison of the corporate tax systems of a number of countries of economic and cultural significance to Australia. The goal has both practical and policy aspects. The unit will provide a basic introduction to the corporate tax systems of Australia's major trading partners which will assist candidates in assessing the likely outcomes of proposed corporate dealings both within the countries selected for comparison and between them. A comparative framework provides an opportunity for identifying the available options for taxing corporate income and assessing the appropriateness of those options or a combination thereof. This enables an assessment of the options selected by various countries, including incompatibility of options, and may identify areas of corporate taxation which may be the subject of appropriate reform. The unit will examine:

- theoretical framework and defining entities subject to corporation tax;

- taxation of corporate income where derived;

- taxation of corporate income where distributed;

- treatment of gains/losses on the disposal of shares;

- corporate formation, reorganisation and liquidation; and

- international taxation of corporate income.

LAWS6159
Insolvency Law
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lee Aitken **Session:** S2 Intensive **Classes:** block/intensive mode **Assumed knowledge:** Background in Australian corporate law or LAWS6810 Introductory Corporate Law **Assessment:** 1x2000wd assignment (30%) and 1xtake home exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will examine the law, policy and practice of both personal and corporate insolvency, under the Bankruptcy Act 1966 and the Corporations Act 2001. Some insolvency issues arising under the Income Tax Assessment Act 1936 will also be covered.

Topics which will be covered include:

1. The purposes of insolvency law, including debtor protection, access of creditors to the debtor's assets and assets disposed of, the need for investigation of financial failure, and financial reconstruction and survival;

2. The principles of insolvency law including the pari passu principle of equal sharing, and exceptions to that principle, collectivism, compulsion and maintenance of creditors' pre insolvency rights;

3. The processes used by a creditor to commence insolvency proceedings, to a sequestration order in bankruptcy under the Bankruptcy Act and to a winding up order in corporate insolvency under the Corporations Act;

4. Other Bankruptcy Act insolvency regimes - Part X arrangements, Part IX debt agreements, Part XI deceased estates;

5. The nature of property that is available to creditors in bankruptcy and liquidation;

6. Voidable transactions in bankruptcy and under the equivalent corporate regime;

7. The involvement of unsecured creditors through meetings of creditors, funding of litigation, and committees of inspection, and the responsibilities of the liquidator and trustee to those creditors;

8. The liability of directors and company controllers in company insolvency, in particular their liability for insolvent trading and their personal liability for taxes;

9. The general duties and powers of the liquidator and the trustee, and their regulation by ASIC and ITSA;

10. Receiverships and the interaction of insolvency and the rights of creditors with quasi-security and security;

11. The voluntary administration regime under Part 5.3A of the Corporations Act, and its interaction with liquidation and receivership;

12. Insolvency and matrimonial property, and superannuation entitlements;

13. Current reform and policy considerations - CAMAC reports, Senate committee Report 2004, ALRC reports; and

14. Cross-border insolvency.

LAWS6161
International Human Rights
Law

Credit points: 6 **Teacher/Coordinator:** Mr John Pace **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xtake-home exam (60%), 1x short paper (mock submission to human rights treaty body) (30%) and class participation/presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I L, Grad Dip Jur, Grad Dip Post Law, LL M, M I L, M Jur, S J D.

This unit introduces candidates to the principles and practice of international human rights law - a field of public international law and policy of ever-expanding dimensions. It will introduce candidates to some key concepts, debates, documents and institutions in this field, while encouraging critical examination of these from a variety of angles. In summary, this unit considers the question: what happens when we regard a situation or predicament as one involving a breach of international human rights law - what possibilities and problems does this entail? Addressing this question, candidates in this unit will examine: (a) forums where international human rights law is being produced (international tribunals, domestic courts, multilateral bodies - including United Nations organs - regional agencies, non-governmental organisations, academic institutions, and the media); (b) settings where international human rights law is being deployed (in Australia and elsewhere); and (c) particular identities/subjects that international human rights law aspires to shape, regulate or secure. By the end of this unit, candidates should be able to formulate written and oral arguments by reference to key international human rights law instruments and principles; give strategic advice as to available avenues of recourse in international human rights law; and advance an informed critique of particular dimensions of international human rights law scholarship and practice, by reference to contemporary literature in this field.

LAWS6163
Energy and Climate Law
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rosemary Lyster **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6863 **Assessment:** class participation (20%) and 1x7000wd essay (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: This unit replaces LAWS6163 Energy Law

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, M I L, S J D.

This unit adopts an inter-disciplinary and integrative approach to understanding the dynamics of one of the most pressing global

environmental concerns ecologically sustainable energy use. Working loosely within the framework of the Climate Change Convention, the unit relies on the perspectives of scientists, lawyers and economists to develop an integrated approach to sustainable energy use. The unit identifies current patterns of energy use in Australia and examines Australia's response to the Climate Change Convention. It also analyses the strengths and weaknesses of various political, legal and economic mechanisms for influencing the choice of energy use. The initiatives of the Commonwealth and New South Wales governments, as well as local councils, to promote sustainable energy use and to combat global warming are scrutinised.

LAWS6165
Biodiversity Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ben Boer, Justice Brian Preston **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x8000wd research paper (100%) **Practical field work:** field trip **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, S J D.

The unit takes an interdisciplinary approach to the conservation of biodiversity. Key concepts in ecology are explained to provide a foundation for the legal framework. This framework is examined at international, national, and state levels, in terms of conventions and legislation, as well as policy and organisations. The legal framework is explored both by analysing the proper purpose, scope and effect of the laws, as well as how they work in practice. The latter is achieved by lectures and field exercises assisted by officers of government agencies, including State Forests, the National Parks and Wildlife Service and the Department of Infrastructure, Planning and Natural Resources. An integral component of the unit is a field trip to areas of relevance to biodiversity conservation, focusing on northern New South Wales. Areas to be studied include habitats of threatened species and ecological communities and World Heritage areas listed under the relevant Commonwealth and State legislation. Field studies provide a unique opportunity to understand how principles of international and domestic law are implemented locally. The field trip component will be arranged in conjunction with the field trip for LAWS6055 Heritage Law. Candidates are encouraged to take both units of study; they are designed to complement each other closely.

Textbooks
a book of reading materials and a field trip manual will be prepared and distributed

LAWS6167
International Law and Aust Institutions
Law

Credit points: 6 **Teacher/Coordinator:** Mr Craig Lenehan (S1), Dr Tim Stephens (S2) **Session:** Semester 1, Semester 2 **Classes:** (6x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xresearch essay (60%), 1xcase note (30%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for MIL and GradDipIntLaw candidates

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Post Law, LL M, M Env Law, M I L, S J D.

This unit assesses the impact of international law upon Australian institutions. It provides a critical review of that impact across all levels of Australian society. Specific consideration is given to: the Executive; the Legislature: Commonwealth, State and Territories; the Judiciary: High Court, Federal Court, Family Court, State Supreme Courts and other state and territorial courts; the Bureaucracy: Federal, State and Territorial Government Departments; Government Institutions: HREOC, IRC, ALRC. The unit commences with an historical overview of how international law was received in Australia, and then assesses its impact upon a range of Australian institutions. The principal focus throughout the unit will be on the effects produced through domestic law.

LAWS6170
Comparative Income Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Prof Brian Arnold **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x8000wd research essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

Comparative Income Tax examines the key structural features of the income tax (tax unit, income, capital gains, fringe benefits, deductions, tax rates, tax accounting, tax expenditures and presumptive taxes). The unit will consider both the policy options in the design of the income tax and the legal implementation of those options. The unit will be primarily issues based, drawing on both developed and developing country examples. The comparative framework for analysis provides an opportunity for identifying the available options for taxing income and assessing the appropriateness of those options or a combination of them. As part of this more general analysis, the unit will identify cultural, constitutional and administrative issues that shape the design of income tax laws. The unit will not consider corporate tax as this is the subject of Comparative Corporate Taxation nor international tax as this is the subject of Comparative International Taxation. Candidates should gain an understanding of the key design features of the income tax and differences taken by countries in income tax law design.

Textbooks
Available for purchase at the Law School: Thuronyi (ed), Tax Law Design and Drafting Vols 1 & 2 ; Ault and Arnold, Comparative Income Tax

LAWS6171
US International Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Prof David Rosenbloom **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xtake home exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The object of this unit is to provide an overview of the income tax system of the US and a detailed analysis of the most important legislative and treaty rules of the US in the international income tax area, especially in dealings with Australia. Upon successful completion of the unit candidates will have an advanced understanding of the policies of the US rules for taxing international transactions as well as a detailed knowledge of the principles of income tax law applicable to inbound and outbound transactions in the US. This seminar unit includes a study of: overview of the US income tax system; taxation of inbound investment in the US; taxation of outbound investment in the US; transfer pricing in the US and US tax treaties.

LAWS6177
Tax Treaties
Law

Credit points: 6 **Teacher/Coordinator:** Prof Richard Vann **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam or 1xresearch essay (70%) and class work (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Com, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

This unit is designed to provide an advanced study of Australia's international tax treaties against the background of the OECD Model Tax Convention on Income and on Capital and to examine in-depth several current practical issues of international taxation arising from tax treaties especially the review of Australia's treaty policy following the Review of Business Taxation. Upon successful completion of this unit a candidate should have an advanced understanding of the policies underlying the Australian tax treaty position in relation to the taxation of various kinds of income, as well as a detailed knowledge of the law applicable to interpretation of Australia's treaties. The unit includes a study of: principles of double tax treaties; interpretation of tax treaties; the detailed articles of the OECD Model and Australian tax treaties; impact of tax treaties on investing overseas, including a study of the US international tax systems; entities and tax treaties.

LAWS6178
Honours Dissertation A
Law

Credit points: 3 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6179 **Prohibitions:** Not available to candidates who first commenced a Masters degree after January 1999 **Assessment:** 20,000wd dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Course duration is one year

Associated degrees: LL M, M A L P, M Crim, M Env Law, M H L, M Int Tax, M L L R, M Tax.

Upon completion of all Masters coursework requirements, eligible candidates are invited to enrol in honours. Potential honours candidates must submit a detailed research proposal and seek approval from the Program Coordinator prior to enrolment.

LAWS6179
Honours Dissertation B
Law

Credit points: 3 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6178 **Prohibitions:** Not available to candidates who first commenced a Masters degree after January 1999 **Assessment:** 20,000wd dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Course duration is one year

Associated degrees: LL M, M A L P, M Crim, M Env Law, M H L, M Int Tax, M L L R, M Tax.

Upon completion of all Masters coursework requirements, eligible candidates are invited to enrol in honours. Potential honours candidates must submit a detailed research proposal and seek approval from the Program Coordinator prior to enrolment.

LAWS6182
Independent Research Project A
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6183 **Assessment:** 20,000wd research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both LAWS6182 and LAWS6183 within one or two semesters

Associated degrees: LL M, M A L P, M B L, M Crim, M Env Law, M H L, M I L, M Int Tax, M Jur, M L L R, M Tax, S J D.

The goal of this unit of study is to provide candidates with an opportunity to pursue advanced research in an area of their choosing, under the supervision of a Faculty staff member. The unit is only available in special circumstances and with the approval of the Associate Dean (Coursework) or his or her delegate, in consultation with the relevant Program Coordinator where applicable.

The unit is available as a one semester unit of study worth 6 or 12 credit points or as a full-year unit of study worth 12 credit points. Given the nature of the unit, there are no set topics. This will be determined on a case-by-case basis. The project must involve a fresh piece of research and writing. Material that has been previously submitted for assessment in any other unit of study may not form part of this project. No more than 12 credit points of this unit may be credited towards the requirements for a Masters or SJD program in respect of any candidate. The unit is not available to Graduate Diploma candidates or to candidates for the Master of Criminology, Master of International Law and Master of Jurisprudence. In the case of candidates enrolled over a single semester, the project must be submitted for assessment by the last day of classes in the semester in which the candidate is enrolled in this unit of study. In the case of candidates enrolled over a full year, the project must be submitted for assessment by the last day of classes in the second semester in which the candidate is enrolled in this unit of study. The project will normally be assessed by the faculty member who acts as supervisor. However, the Associate Dean or delegate may designate an independent assessor, who may or may not be a member of the faculty.

Enrolment is contingent upon:

1. the candidate formulating, in advance of enrolment, a well-defined research project, including a statement of methodology to be used and availability of necessary research materials;

2. the candidate providing a written statement outlining the special circumstances justifying enrolment in this unit;

3. approval in writing from a member of the Faculty who agrees to serve as supervisor and assessor for the project;

4. approval in writing from the relevant Program Coordinator, where applicable; and

5. approval in writing from the Associate Dean or delegate. Approval will only be given where the Associate Dean or delegate is satisfied that the above conditions are met and no other unit of study is being offered in the year of enrolment which would permit the candidate to undertake study in the proposed area.

The application form must be submitted by:

30 September - commencement in Session 1

30 April - commencement in Session 2

LAWS6183
Independent Research Project B
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6182 **Assessment:** 20,000wd research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both LAWS6182 and LAWS6183 within one or two semesters

Associated degrees: LL M, M A L P, M B L, M Crim, M Env Law, M H L, M I L, M Int Tax, M Jur, M L L R, M Tax, S J D.

The goal of this unit of study is to provide candidates with an opportunity to pursue advanced research in an area of their choosing, under the supervision of a Faculty staff member. The unit is only available in special circumstances and with the approval of the Associate Dean (Coursework) or his or her delegate, in consultation with the relevant Program Coordinator where applicable.

The unit is available as a one semester unit of study worth 6 or 12 credit points or as a full-year unit of study worth 12 credit points. Given the nature of the unit, there are no set topics. This will be determined on a case-by-case basis. The project must involve a fresh piece of research and writing. Material that has been previously submitted for assessment in any other unit of study may not form part of this project. No more than 12 credit points of this unit may be credited towards the requirements for a Masters or SJD program in respect of any candidate. The unit is not available to Graduate Diploma candidates or to candidates for the Master of Criminology, Master of International Law and Master of Jurisprudence. In the case of candidates enrolled over a single semester, the project must be submitted for assessment by the last day of classes in the semester in which the candidate is enrolled in this unit of study. In the case of candidates enrolled over a full year, the project must be submitted for assessment by the last day of classes in the second semester in which the candidate is

enrolled in this unit of study. The project will normally be assessed by the faculty member who acts as supervisor. However, the Associate Dean or delegate may designate an independent assessor, who may or may not be a member of the faculty.

Enrolment is contingent upon:

1. the candidate formulating, in advance of enrolment, a well-defined research project, including a statement of methodology to be used and availability of necessary research materials;

2. the candidate providing a written statement outlining the special circumstances justifying enrolment in this unit;

3. approval in writing from a member of the Faculty who agrees to serve as supervisor and assessor for the project;

4. approval in writing from the relevant Program Coordinator, where applicable; and

5. approval in writing from the Associate Dean or delegate. Approval will only be given where the Associate Dean or delegate is satisfied that the above conditions are met and no other unit of study is being offered in the year of enrolment which would permit the candidate to undertake study in the proposed area.

The application form must be submitted by:

30 September - commencement in Session 1

30 April - commencement in Session 2

LAWS6184
International Law Research Project A
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6185 **Assessment:** approx 15,000wd research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both LAWS6184 and LAWS6185 within one or two semesters

Associated degrees: M I L.

Candidates must submit a detailed proposal and seek approval from the Program Coordinator prior to enrolment.

LAWS6185
International Law Research Project B
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6184 **Assessment:** approx 15,000wd research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both LAWS6184 and LAWS6185 within one or two semesters

Associated degrees: M I L.

Candidates must submit a detailed proposal and seek approval from the Program Coordinator prior to enrolment.

LAWS6187
Aspects of Law and Social Control
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Alex Ziegert **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Assessment:** 1x6000-7000wd research paper (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Jur, Grad Dip Post Law, LL M, M Jur, S J D.

This unit examines the largely diffuse concepts of social control and the functions of law and proposes a more specific approach to legal theory which incorporates the latest findings of socio-legal research on the social effects of law. As a result of this discussion, a more specific concept of social control and an explanatory assessment of the social effects of law, including its political use, are presented with their theoretical implications for legal and political systems and applied, as examples, to historically and societally varied situations.

LAWS6188
Commercial Equity
Law

Credit points: 6 **Teacher/Coordinator:** Mr Mark Leeming **Session:** Summer L2 **Classes:** block/intensive held in Europe. See www.law.usyd.edu.au/fstudent/coursework/LLM/index.shtml **Assessment:** class participation (20%) and 1x6000-8000wd essay (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit examines, from a practical perspective, the role of equity in commercial litigation. After a brief review of basic equitable principles, the unit focuses on particular examples, including litigation against trustees, the role of subrogation, contribution and marshalling, and the use and availability of injunctions, equitable compensation and other equitable remedies in commercial litigation.

LAWS6191
Water Law
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rosemary Lyster **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x7000wd essay (80%) and 1xclass participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M A L P, M Env Law, M Envi Sci Law, S J D.

This unit examines the ecologically sustainable management of water resources incorporating legal, scientific and economic perspectives. The legal analysis incorporates the following: international principles of water law; Commonwealth and state responsibilities for water management; the Water Management Act 2000 (NSW); the legal and constitutional implications of the reallocation of rights to use water; the implications of allocation and use for Indigenous people; the regulation of water pollution; and the corporatisation and privatisation of water utilities. Case studies from a number of jurisdictions are used to explore these themes. Economic perspectives include the impact of National Competition Policy on water law while the principles of sustainable water management are discussed within a scientific paradigm.

LAWS6197
Policing Australian Society
Law

Credit points: 6 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x class presentation (20%), 1x in-class test (10%), 1x research paper (30%) and 1x exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

This unit traces the development of civil policing in Australia. Policy is viewed both within and beyond the state. Certain unique features of contemporary police practice are highlighted and critical consideration is given to the community framework within which the police now operate. Current issues in policy are discussed and debated in a context of justice and the inextricable connection with policing. The principle themes of the unit are: concepts of policing; the history and contemporary philosophy of policing and current issues in the institutions and processes of policing in Australia. The topics around which the seminars are constructed juxtapose crucial features of police work such as discretion, accountability, culture and authority against contemporary challenges such as malpractice, professionalism, community policing and police powers.

LAWS6200
Tax Law in Asia and the Pacific
Law

Credit points: 6 **Teacher/Coordinator:** Prof Lee Burns **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake

LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam (70%) and classwork (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The goal of this unit is to provide an overview of the tax systems of countries in the Asia Pacific region. The countries chosen for study will reveal the diversity of tax systems in the region, ranging from small island economies to transitional economies through to more developed economies. Countries examined will be selected from Singapore, Indonesia, PNG, Tonga, China including Hong Kong, and the Philippines. While the focus of the course is mainly on the income tax, the unit will provide an understanding of the role of other tax instruments (such as VAT, customs duty, excise and land taxes) used by countries in the region. As regards the income tax, the focus will be on international tax so that an assessment can be made of the likely tax consequences of investment in the country. Other issues to be covered include tax incentives, oil & gas taxation, and dealing with tax administrations.

LAWS6207
The Legal System of the European Union
Law

Credit points: 6 **Teacher/Coordinator:** Prof Panos Koutrakos **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x2000wd research strategy essay (30%) and 1x6000wd research paper (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Jur, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, M Jur, S J D.

This unit offers graduates who are, for academic, business or professional reasons, interested in the European Union an opportunity to learn about its business, constitutional and administrative law. Students will examine the process of European integration that has taken place since the European communities' inception. Particular emphasis will be placed on the Single European Act, 1986, the Treaty on European Union of 1992 (more familiarly referred to as the Treaty of Maastricht), the Treaty of Amsterdam of 1997 and the most recent Treaty of Nice. The European Convention will also be the subject of discussion during the unit. The distinction between the European Union and the European Communities will be dealt with in the course of these considerations. Topics which will be covered in the course of this unit include the institutional framework of the European Union, policy development in the European Union, the Community legal system, general principles of Community law and administrative law of the Community.

LAWS6209
Australian International Taxation
Law

Credit points: 6 **Teacher/Coordinator:** Prof Lee Burns **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x3000wd assignment (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Tax, M Tax, S J D.

Australian International Taxation is a detailed study of the fundamental principles of Australia's international taxation regime as it applies to cross-border business and investment transactions. The unit focuses on corporate residence, source, non-resident withholding tax, relief from international double taxation, CFCs, FIFs, transferor trusts, transfer pricing and thin capitalisation. The unit will examine both the issues of international tax rule design and policy, and the relevant provisions in the legislation, cases and rulings. The unit deals only with international tax rules in Australia's domestic law with double tax treaties covered in the companion course Tax Treaties. Candidates should gain an understanding of the policies underlying Australia's rules for taxing international transactions, as well as a detailed knowledge of the foundation principles of law applicable to the taxation of inbound and outbound transactions.

LAWS6214
Goods and Services Tax Principles
Law

Credit points: 6 **Teacher/Coordinator:** Ms Rebecca Millar **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6814 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam or research essay (70%) and class work (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: It is not possible to cover all aspects of GST in one unit. Candidates seeking a complete picture of Australia's GST should also undertake LAWS6828.

Associated degrees: Grad Dip Com, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Tax, M Tax, S J D.

The object of this unit is to introduce the basic design, operation, compliance, administration, and working principles of the Australian goods and services tax (GST). The unit will commence with a brief examination of the design features common to value-added type consumption taxes, of which Australia's GST is an example. The unit will proceed to examine the main foundational principles of Australia's GST and its operation in practice. In assessing the Australian legislation, comparisons will be drawn with case law and statute from other jurisdictions to assist in understanding how Australia's GST might be interpreted. On successful completion of this unit you should have an understanding of the policies underlying GST, a detailed knowledge of the technical workings of the basic Australian GST rules and procedures, and an awareness of current practical problems involved in GST.

Topics examined will cover the key concepts required to understand the operation of GST, including:

- introduction to GST - basic design features and underlying policies of GST;

- status of the taxable person, concepts of enterprise, and the obligation to register for GST;

- liability for tax on supplies - types of supply & limits on the concept of supply; consideration, including non-monetary consideration, nexus, & value;

- entitlement to input tax credits;

- liability for tax on importations;

- tax invoices, attribution to tax periods, adjustment events & adjustments for change of use;

- basic principles of GST-free and input taxed supplies;

- introduction to international issues in GST, including the treatment of cross-border transactions and importations;

- introduction to real property transactions;

- introduction to the treatment of financial supplies;

- compliance & administration, including anti-avoidance.

LAWS6218
International Humanitarian Law
Law

Credit points: 6 **Teacher/Coordinator:** Dr Ben Saul **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (20%) and 1x5000 - 6000wd research paper (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Post Law, LL M, M I L, S J D.

The purpose of this unit is to survey and analyse the principles of customary international law and conventional law which regulate armed conflict between states as they impact on both combatants and non-combatants. Particular attention will be given to the four Geneva Conventions and the additional Protocols, as well as additional

instruments which place limitations on the use of chemical weapons and landmines. The role of the International Committee of the Red Cross will be assessed in addition to other NGOs. Some attention will be given to the prosecution of war criminals, with studies of events in Yugoslavia and East Timor.

LAWS6223
Immigration and Nationality Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Mary Crock **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (10%), 1x5000wd research essay (70%) and case studies (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I L, Grad Dip Post Law, LL M, M A L P, M I L, S J D.

This is a survey unit designed to introduce candidates to one of the most fast moving and engaging areas of public law. Immigration law is all about government regulation of the entry of persons into Australia. As such, it is a branch of applied administrative law that concerns the very make-up of our society, affecting both who we live with and how we live our lives. Statistics show that nearly one in four Australians were either born overseas or had an overseas-born parent. In spite of this, controversy persists over whether Australia should have an immigration program and the extent to which the government is doing enough to control both unlawful entry and the quality of the (lawful) migrants. With Sydney receiving the lion's share of the migrants who come to Australia each year, migration law has become a growth area for both lawyers and migration agents. By placing the current mechanisms for controlling migration in their legal, social, historical and economic contexts, this unit provides an opportunity to explore the 'big' issues raised by immigration and to look at why the subject has assumed such a central role in the development of Australia's identity as a nation.

The unit of study is designed to foster the following skills:

- skills of statutory interpretation and problem-solving, through the study and use in practical situations of the Migration Act 1958 and its associated Regulations;

- skills of legal analysis and evaluation, gained through the examination and synthesis of relevant legislation; of court decisions and of rulings by the Migration Review Tribunal; the Refugee Review Tribunal; and the Administrative Appeals Tribunal in its migration division; and

- oral and written skills, through class participation, simulation exercises and the preparation of a major research paper.

The survey unit does not consider the area of refugee law, which is the subject of a separate postgraduate offering. It is designed as a foundational unit for candidates who have no background in migration law and who wish to move into the area. The unit complements the more specialised units Refugee Law and Immigration and Labour Law. Completion of the unit will earn candidates 10 CPD points.

LAWS6230
Expert Evidence
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Peter Cashman **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3500wd take home exam (50%) and 1x3500wd assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Crim, Grad Dip H L, Grad Dip Post Law, LL M, M Crim, M H L, S J D.

This unit will address the role of expert witnesses, their reports and their testimony in criminal and civil cases. It will examine the attitudes of the courts and tribunals to experts and the way in which the law utilises the fruits of other disciplines. The focus of the unit will be on the accountability of expert opinions and upon the effectiveness by which experts are examined and cross-examined. It will scrutinise the common law and legislative rules of expert evidence and the rules of procedure that relate to the admissibility of expert evidence. Also addressed will be issues of property in witnesses, confidentiality, privilege, ethics, payment and selection of forensic experts.

In addition, the unit will explore the role and impact of expert evidence in a range of different forms of litigation. It will assess the difficulties attaching to medical evidence in personal injury, product liability and coronial litigation, and to epidemiology evidence and scientific evidence in criminal litigation, in particular, DNA profiling, fingerprinting and handwriting analysis. A significant portion of the unit will also be devoted to controversies attaching to the role of psychiatric and psychological evidence, in cases involving evaluation of fitness to stand trial, assessment of criminal intent, diminished responsibility and insanity. Issues relating to prediction of dangerousness, post-traumatic stress disorder as psychiatric injury, and the main forensic syndromes, battered woman syndrome, rape trauma syndrome, cult indoctrinee syndrome, repressed memory syndrome, child sexual abuse accommodation syndrome and parental alienation syndrome, will be canvassed in the context of criminal, civil and family law cases.

LAWS6233
Criminology Research Project A
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6234 **Assessment:** approx 20,000wd research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both LAWS6233 and LAWS6234 within one or two semesters

Associated degrees: M Crim.

Candidates must submit a detailed proposal and seek approval from the Program Coordinator prior to enrolment.

LAWS6234
Criminology Research Project B
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed academic staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS6233 **Assessment:** approx 20,000wd research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Candidates must complete both LAWS6233 and LAWS6234 within one or two semesters

Associated degrees: M Crim.

Candidates must submit a detailed proposal and seek approval from the Program Coordinator prior to enrolment.

LAWS6243
Public International Law
Law

Credit points: 6 **Teacher/Coordinator:** Ms Alison Pert (S61) and Dr Brett Williams, Ms Katherine Fallah (S2) **Session:** S1 Late Int, Semester 2 **Classes:** block/intensive mode (S61), (1x2hr lec)/wk (S2) **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3000wd essay (40%) and 1x2.5hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for MIL and GradDipIntLaw candidates who have not completed any previous study in international law and pre-requisite for other law units

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

This unit of study is an introduction to the general problems of public international law designed for students with no prior background in this area. Particular attention will be given to the function and scope of international law, with particular reference to sources of international law, and their relationship with municipal (Australian) law. Consideration will also be given to principles of state responsibility, immunities, and dispute resolution while drawing on illustrations from human rights and the environment. This unit also provides a preliminary investigation of the effects of the globalisation of law and its impact on domestic legal systems.

LAWS6244
Taxation of Corporate Groups

Law

Credit points: 6 **Teacher/Coordinator:** Prof Richard Vann (S8, DTT), Prof Graeme Cooper (S51 - Law School, S2 - EY, PwC) **Session:** S2 Late Int, Semester 1b, Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6030 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam (70%) and classwork (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1b, Semester 2.

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

The object of this unit is to examine the policy and practical issues that arise in the taxation of corporate groups in Australia. The focus is on the tax reforms arising out of the Review of Business Taxation: the consolidation regime and the rules that apply to related corporations, even if not consolidated. The unit covers:

- Policy and history of grouping
- Entry into consolidation
- Effects of consolidation
- Exit from consolidation
- Losses in corporate groups
- Value shifting

LAWS6247
Australian Financial Services Regulation
Law

Credit points: 6 **Teacher/Coordinator:** Adj Assoc Prof Ashley Black (Coordinator), Dr Gregory Golding **Session:** S1 Intensive **Classes:** block/intensive mode **Assumed knowledge:** LAWS6810 or background in Australian corporate law **Assessment:** 1x7000wd research essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This intensive unit examines the structure and regulation of markets for financial products, with particular emphasis on corporate securities, following the introduction of the Financial Services Reform Act. The study is primarily a legal analysis, but also explores some financial theory relevant to legal response to market operation. Particular topics covered include:

- Structures, institutions and participants in Australian financial products markets and current developments in such markets;
- Co-regulation of financial products markets, including the role and powers of the Australian Securities and Investments Commission and Australian Stock Exchange;
- The licensing of financial services professionals;
- The conduct of securities business, including the legal structure of stock exchange transactions and the incidents of the broker-client relationship;
- Abusive trading on financial products markets, including market manipulation and insider trading.

LAWS6250
Controlling Liability by Contract
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter, Assoc Prof Elisabeth Peden **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xcompulsory essay (25%) and 1xexam or 1xlong essay (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit brings together the doctrinal, theoretical and practical issues raised by contract risk management, especially the control of liability for breach of contract and negligence. The unit will consider:

- categories of risk
- drafting options
- protection of third parties
- statutory control of risk management devices, including the Trade Practices Act 1974 (Cth)
- contract drafting and management issues

The drafting options which are considered include the use of exclusion clauses, indemnity provisions and force majeure clauses. The operation of these types of clauses, and the relevant common law and statutory rules, will be considered in the context of various types of contracts, but with particular emphasis on contracts for the provision of services and sale of goods. One particular feature of the course is a consideration of the operation of the privity rule in the context of risk management. Thus, issues such as the protection of related bodies corporate and the liability of agents and sub-contractors are dealt with in some detail.

LAWS6251
Issues in Electronic Commerce
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter (Coordinator), Prof Raymond T Nimmer, Ms Holly Towle **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3hr exam (80%) and class participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

The aim of this unit is to consider some of the important issues which Electronic Commerce creates in theory and in practice. This is done mainly, although not exclusively, from a transaction perspective.

The unit will focus on U.S. and international developments in law relating to electronic commerce, including contract law, privacy, trademark and copyright considerations.

Textbooks
Nimmer & Towle, Electronic Commercial Law

LAWS6252
Legal Reasoning & the Common Law System
Law

Credit points: 6 **Teacher/Coordinator:** Mr Michael Skinner (S1, S5), Prof Mark Findlay (S6) **Session:** S1 Intensive, S2 Intensive, Semester 1 **Classes:** block/intensive mode (S6, S5) and (1x2hr lec)/wk (S1). International candidates must attend the intensive session during Week 1 of their first semester of enrolment. **Prohibitions:** LAWS6881 **Assessment:** attendance and participation at workshops (30%) and assignment on case analysis, statutory interpretation and substantive legal principle (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Compulsory pre-requisite for health law, environmental law, MLLR, MALP, MEnvSciLaw, MIntBus&L and MBL candidates undertaking tax units who do not have a qualification in accountancy or who have not completed a legal studies unit as part of a degree in business or commerce within a common law jurisdiction. This unit is also a pre-requisite for specified law units. Other candidates who do not have a law degree from a common law jurisdiction may seek permission to undertake this unit as an optional.

Associated degrees: Grad Dip Env Law, Grad Dip H L, Grad Dip I L, Grad Dip Int P H, Grad Dip P H, Grad Dip Pub H L, M A L P, M B L, M Env Law, M Envi Sci Law, M H L, M I L, M Int Bus & Law, M Int P H, M L L R, M P H.

This is a compulsory unit for all postgraduate candidates who do not hold a degree in law entering the:

- Master of Administrative Law and Policy
- Master of Environmental Law
- Master of Environmental Science and Law
- Master of Health Law
- Master of International Business and Law
- Master of Labour Law and Relations

as well as Graduate Diplomas offered in these programs.

The unit has been designed to equip candidates with the necessary legal skills and legal knowledge to competently apply themselves in their chosen area of law. Instruction will cover the legislative process; the judiciary and specialist tribunals; precedent; court hierarchies; legal reasoning; constitutional law; administrative law; contracts; and

torts. Some elements of the unit will be tailored in accordance with the requirements of the particular specialist programs.

LAWS6256
Recent Developments in Contract Remedies
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter (Coordinator), Prof Michael Furmston **Session:** S1 Late Int **Classes:** block/intensive mode **Assessment:** 1x10000wd essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

Traditional undergraduate contract courses concentrate on problems of formation, mistake, exemption clauses and the like. Remedies tend to be put off to the very end or left out altogether. Yet, in practice, they are one of the most important parts of contract law. It is not much use having a contract if you have no effective remedy when the other side breaks it. Not only is this area of the law very important but it is one of the most rapidly developing. In the last couple of years there have been important developments, for instance, in the law as to the recovery of non financial loss arising from breach of contract; for recovery of damages suffered not by the contracting party but by a third and exploration of whether a plaintiff can recover damages which reflect the profit the defendant has made by breaking the contract rather than the loss which the plaintiff has suffered (the traditional measure). There has also been important litigation seeking to widen the bounds within which one can obtain specific performance.

LAWS6257
Public Policy
Law

Credit points: 6 **Teacher/Coordinator:** Prof Patricia Apps **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6139, LAWS6042, LAWS6113 **Assessment:** 1xresearch essay (90%), 1x problem based assignment and class presentation of a case study (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: compulsory for MALP candidates

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, Grad Dip Tax, LL M, M A L P, M B L, M Env Law, M Int Tax, M Tax, S J D.

The aim of the unit is to provide an understanding of the role of government policy within the analytical framework of welfare economics. Questions of central interest include:

- What are the conditions that justify government intervention?

- How can policies be designed to support basic principles of social justice?

- What kinds of reforms promote economic efficiency?

Applications will range from taxation and social security to environmental regulation and protection, and will cover the following specific topics:

- The structure of the Australian tax-benefit system

- Uncertainty and social insurance

- Unemployment, health and retirement income insurance

- Externalities, environmental taxes and tradeable permits

- Monopoly and environmental regulation

- Utility pricing and access problems

- Cost benefit analysis, intergenerational equity and growth

The unit will provide an overview of the main empirical methodologies used in evaluating policy reforms in these areas. Candidates may select to specialise in one or more of the policy areas.

LAWS6264
Compliance: Financial Services Industry
Law

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Lewis **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** A good general grasp of legal and equitable principles, including the common law, and a basic knowledge of undergraduate law units. The unit is open - not only to candidates in the LLM program, but also to lawyers, regulatory staff or compliance professionals. It is not necessary that the latter hold a law degree in order to participate in the unit, but they should understand that the unit is being taught as part of a law program at postgraduate level. They may find it preferable therefore to audit the unit on a non-assessed basis, rather than participate on an assessed basis. **Assessment:** 1xassignment (40%) and 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

The unit will examine in detail the legal and regulatory requirements relevant to the financial services industry, and how the risk of breaching those requirements can be managed via compliance systems. In doing so, it will focus not only on legal theory but also on the practical day to day business issues connected with compliance.

The unit is divided into two parts:

(A) Core compliance issues:

- Licensing of financial service providers

- Compliance systems

- Insider trading and Chinese walls

- Market conduct rules

- Shareholding restrictions

- Trade practices

- Money laundering, bribery and corruption

- Retail customer obligations

- Marketing financial products

- Privacy

- Miscellaneous compliance issues (trust account rules, fiduciary duties, conflicts of interest, confidentiality and phone taping)

- Investigating compliance breaches (including reporting obligations and HR issues)

(B) Specialist compliance issues relevant to:

- Managed investments

- Deposit products and non cash payment facilities

- Stockbroking

- Derivatives and warrants

- Foreign exchange

- Futures broking

- Financial planning

- Insurance and insurance broking

- Superannuation

- Retirement savings accounts

LAWS6808
Sports Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Saul Fridman **Session:** S1 Late Int **Classes:** block/intensive mode **Prohibitions:** LAWS6248 Legal Issues in Sports Medicine **Assessment:** 1x10000wd paper (100%) or class presentation (100%) or moot court exercise (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

Sporting activity cuts across a number of disparate areas of law. Increasing professionalisation, the enormous growth in the Olympic Movement and the commercialisation of sport have all contributed to the development of Sport as a business, as well as a pastime. As a result there has been increasing intersection of the law with sporting activity. In this unit we will examine the following:

- The economics of sports leagues

- The structure of sporting organisations

- International and national governance of sport

- The impact of administrative law on the working of disciplinary tribunals

- Industrial law and the treatment of the athlete as employee

- Labour market controls and the impact of competition law

- Player agents

- The law and policy relating to doping of athletes

- The impact of intellectual property laws on sponsorship and promotion of sporting events

While the unit will be international in its focus, particular attention will be paid to recent events that have taken place in Australia including:

- The breach by the Canterbury Bulldogs of salary cap rules in the 2002 NRL season

- The battle for control of Rugby League between the ARL/NSWRL and News Limited

- Recent challenges to positive drug tests by Australian athletes

The unit will be taught intensively and will involve instruction provided by leading members of the legal and sporting. community.

Textbooks

Materials supplied by lecturer: Buti and Fridman, Sports, Drugs and the Law, 2001 Scribblers Press; Mudgeeraba Barnes, Sports and the Law in Canada (3rd edition), Butterworths, 1996

LAWS6809
Breach of Contract
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter, Assoc Prof Elisabeth Peden **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Assessment:** 1xcompulsory essay (25%) and 1xexam or 1xlong essay (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

Every breach of contract gives rise to a right to claim damages, but not every breach confers a right of termination. The first part of this unit analyses the concept of breach of contract - the concept of standard of duty and the law's requirements for proof of breach. The balance of the unit is concerned with the circumstances in which breach of contract does confer a right of termination. From a remedial perspective this means that the unit is primarily about self-help - enforcement of a right (termination) rather than a remedy (damages).The unit includes a detailed consideration of express provisions for termination ("termination clauses"), their drafting, exercise and consequences.

LAWS6810
Introductory Corporate Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Saul Fridman **Session:** S1 Late Int **Classes:** block/intensive mode **Prohibitions:** LAWS2003, CLAW2001 or equivalent undergraduate or postgraduate corporate law unit **Assumed knowledge:** It is recommended that candidates who are not working in the corporate law area and have not taken an undergraduate corporate law unit in Australia in the past five years undertake this unit as a pre-requisite to other corporate law units **Assessment:** 1xtake home exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit is designed for those wishing to pursue postgraduate study involving aspects of corporate law, but who lack the required previous exposure to the subject. As our postgraduate units in corporate law (other than this one) are all specialised and taught at an advanced level, those wishing to enrol in such units but who have not studied corporate law in a law school environment should undertake this unit. This unit will focus on the fundamental principles of law applying to public and proprietary companies. The unit will start with a brief history of the development of the corporate form and the evolution of Australian corporate law, before moving on to examine the nature of corporate personality, the incorporation process, corporate constitution, governance rules, duties of directors and remedies for shareholders.

Textbooks

Hanrahan, Stapledon & Ramsay, Commercial Applications of Company Law

LAWS6814
Comparative Value Added Tax
Law

Credit points: 6 **Teacher/Coordinator:** Ms Rebecca Millar **Session:** S2 Late Int **Classes:** block/intensive classes **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1xexam or research essay (70%) and class work (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The object of this unit is to examine the design principles, operation, compliance and administration of consumption type value-added taxes (known commonly as either VAT or GST). The unit will consider the major foundational principles of VAT and their operation in practice. In assessing the basic features of VAT, and will consider the different ways in which these have been given effect in different jurisdictions, focusing in particular on the European Union, New Zealand, Australia, and Canada, but also considering a range of other jurisdictions and the model VATs drafted by the IMF. For candidates interested in Australian goods and services tax (GST), this unit will provide an in depth understanding of the policies underlying VAT/GST and of the options for VAT treatment that have been adopted in other jurisdictions, enabling you to compare the Australian treatment and identify areas of potential conflict. For international candidates, the principles discussed will be of a generic and comparative nature, and will be readily transferable to the operation of VAT in your country of residence.

Topics examined include:

- Different options and methods for taxing consumption;

- The history, spread and prevalence of credit-invoice systems of VAT;

- Different forms of VAT/GST and the relationship between VAT and other tax bases;

- Rate differentiation - use of multiple rates, including zero;

- Administration of VAT, including registration, invoices, assessment and collection.

- The taxable person and concepts of enterprise/business/taxable activity;

- The treatment of Government entities and charities;

- The taxable transaction - the concept of supply and distinctions between supplies of goods and services;

- Taxable supplies, exemption with credit (zero-rating/GST-free), and exemption without credit (input taxation);

- The taxable amount - consideration, valuation, and calculation of output tax;

- Input tax - the entitlement to deduction/credit or input tax;

- International issues, including the place of supply, the treatment of imports and exports, and the use of reverse charge mechanisms;

- Special rules for supplies of financial services and insurance and the options for taxing, exempting, or zero-rating such supplies;

- Specialised regimes for small traders, e-commerce, gambling, tour operators etc.

- The treatment of capital and second hand goods;

- The treatment of real property;

- Anti-avoidance provisions.

LAWS6816
Labour Law in the New Economy
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ron McCallum **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (10%), 1xseminar presentation (30%) and 1x5000wd essay (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, M L L R, S J D.

Globalisation of markets and rapid technological developments have created particular challenges for domestic labour law systems. This unit of study will examine contemporary issues in labour law, in the light of the challenges posed by international economic and technological developments. Topics covered include global markets and labour law, international aspects of labour law; corporations and the role of labour, the impact of IT on workplace change; legal regulation of the "high trust" model of workplace relations. Other topics will be added to ensure that the unit continues to engage with contemporary developments.

LAWS6817
Practical Effects of Torts and Contracts
Law

Credit points: 6 **Teacher/Coordinator:** Em Prof GHL Fridman, Prof Jim Davis **Session:** S1 Intensive **Classes:** block/intensive mode **Assessment:** 1x10000wd essay (100%) or 2x5000wd essay (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M Int Bus & Law, S J D.

This unit is designed to expose candidates to a discussion and, where relevant, a comparison of the approaches of the law of torts and the law of contracts to a variety of problems and situations, for example, vicarious liability, the liability of professionals such as doctors and lawyers, the protection of contract from interference, misfeasance by public officials. Candidates will be asked to examine and understand judicial decisions from Australia, Canada, England, New Zealand, and the extent to which, and reasons why, the law in these countries is the same or may differ.

LAWS6820
International Trade and Environment
Law

Credit points: 6 **Teacher/Coordinator:** Ms Katherine Miles **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** LAWS6061. Please also refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6173 Trade & Environment **Assessment:** 1x6000wd assignment (60%) and 1xproblem assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M Env Law, M I L, M Int Bus & Law, S J D.

This unit of study examines the sources of tension between the law and policy aspects of the international trade liberalisation regime, environmental protection and ecologically sustainable development. It examines the obligations imposed by the World Trade Organisation (WTO) framework and the scope and operation of environmental exceptions that have been considered in recent trade environment disputes. It explores these developments from the perspective of parallel initiatives in international law aimed at promoting Ecologically Sustainable Development domestically and globally. The Agreements on Food Safety Standards and Technical Barriers to Trade are also covered to the extent that they impose limitations on nations' ability to specify the manner in which the Agreement on Trade Related Aspects of Intellectual Property Rights (TRIPS) and the rights and duties created by the Convention on Biodiversity are also discussed.The unit contrasts the WTO regime with that implemented by regional trade groups such as the European Union, the North American Free Trade Agreement (NAFTA) and the Asia Pacific Economic Cooperation Forum (APEC) and attempts some evaluation of their relative strengths in promoting ESD. It also reflects on the attempts to negotiate an agreement on investment liberalisation and the issues that raises for environmental protection initiatives. By the end of the unit participants should be able to critically assess the prospects for future harmonisation of global free trade regimes and ESD principles in the context of the Australian debate on these issues.

LAWS6821
Mediation - Skills and Theory
Law

Credit points: 6 **Teacher/Coordinator:** Prof Hilary Astor **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** course participation (25%), reflective journal (formative assessment), 1xessay dealing with mediation practice issues (25%) and 1x3500wd essay on mediation theory (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Dip H L, Grad Dip Post Law, LL M, M H L, M L L R, S J D.

This unit will teach you the fundamental skills and theory of mediation. The skills component of the unit will be extensive and is the reason for the limited enrolment. However, mediation is not simply a procedural template that can be learned and applied to every dispute with benefit. It raises interesting and complex issues of theory and ethics, which will be integrated with the skills components of the unit. Issues of culture, power, mediator neutrality and ethical dilemmas for the mediator will be considered.

Textbooks
Laurence Boulle Mediation Skills and Techniques Butterworths, Australia, 2001

LAWS6825
Impact of Tax on Business Struct & Ops
Law

Credit points: 6 **Teacher/Coordinator:** Ms Chloe Burnett (S61) and Mr Tim Kyle, Ms Chloe Burnett (S2) **Session:** S1 Late Int, Semester 1a, Semester 1b, Semester 2 **Classes:** block/intensive mode (S7, S8 - PwC only), block/intensive mode (S61 - Law School), (1x2hr lec)/wk (S2 - Law School) **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3000wd seminar paper (30%) and 1x exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1a, Semester 1b.

Associated degrees: Grad Dip Com, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Tax, M Tax, S J D.

1. Goals of the unit

This unit examines the basic elements of Australia's income tax (including fringe benefits tax and capital gains tax) and analyses their impact on the operations and structuring of businesses.

2. Intended audience

The main audience for this unit is participants without a recent and thorough undergraduate course in Australian income tax. So, the majority of participants are from two groups:

- foreign graduate candidates who have studied their domestic tax system, and who now wish to acquire a detailed knowledge of the operation of the Australian tax system, and

- Australian graduate candidates from law, commerce, accounting and other disciplines who have not studied income tax and who want to come to grips with the principal impacts of the Australian tax system on their clients.

So this unit is both (a) an entry course, designed to serve as the precursor to enrolling in the more specialised units offered in the Tax Program, and (b) a course for practitioners and others who do not seek to be tax specialists but want to improve their general understanding of the tax ramifications of commercial operations.

3. Outcomes

Upon successful completion of the unit, participants will have:

- a sound basic understanding of the operation of the Australian income tax law for business, whether conducted directly or via a partnership, trust or company,

- the ability to apply Australian tax law to a broad range of common commercial transactions, and

- an awareness of the commercial consequences of the Australian income tax rules on a range of common domestic commercial transactions,

- the ability to recognise common income tax issues which would arise in domestic and international commercial transactions,

- an awareness of the commercial consequences of the Australian income tax rules on a range of common international trans-actions,

- an awareness of the impact of tax law and tax outcomes on decision-making by businesses operating in, into or from Australia.

4. Unit outline

Topic 1. The main elements of the tax system (1 hour)

Topic 2. Assessability of business revenue (6 hours)

Topic 3. Treatment of business costs (8 hours)

Topic 4. Timing rules for revenue and expense recognition (2 hours)

Topic 5. Trading forms, capital raising and cost of servicing invested capital (3 hours)

Topic 6. Cross-border issues (4 hours)

Textbooks
Current income tax legislation

LAWS6827
Legal Responsibility & Philosoph of Mind
Law

Credit points: 6 **Teacher/Coordinator:** Dr Christopher Birch SC **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class presentation (30%) and 1x5000wd essay (70%) or 1x 7500wd essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Jur, Grad Dip Post Law, LL M, M Jur, S J D.

Legal responsibility often depends upon ascribing fault or blame for conduct. This involves several important concepts. Firstly, the ascription of some mental element, whether it be mens rea in the case of crime, or the lesser notions of fault relied upon in civil liability. Secondly, that these intentional mental states caused the conduct for which defendants are blamed. These concepts are philosophically controversial, and current developments in the philosophy of mind assist in reflecting upon them. The unit will look at contemporary philosophical work on free will, consciousness, mind and causation and apply this work to present problems in regard to the concepts of legal responsibility.

Textbooks
Lowe:EJ, An Introduction to the Philosophy of Mind, Cambridge U.P., Cambridge 2000

LAWS6838
Competition Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Christopher Hodgekiss **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xopen book exam (100%) or 1xopen book exam (80%) and 1x assignment (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

The content of this unit of study will be the following topics:

- Introduction
- Economic Theory of Competition Law
- The concepts of competition and market definition
- Section 45 Contract Arrangements and Understandings
- Section 46 Misuse of Market Power
- Section 47 Exclusive Dealing
- Section 48 Resale Price Maintenance
- Section 50 Mergers
- Authorisations and Notifications
- Penalties, Remedies and Enforcement
- Access to Services

The intended outcomes for candidates who successfully complete this unit are that they will have a firm grasp of the operation of the competition law provisions of the Trade Practices Act.

Textbooks
Prescribed text: Miller's Annotated Trade Practices Act (latest edition), and Corones, Competition Law in Australia (Law Book Company) Latest Edition

LAWS6839
Critical Issues in Public Health Law
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Roger Magnusson **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** (compulsory classwork (20%)) and (1x3500wd essay (40%) or 1xassignment (40%) and 1xtake home exam (40%)) or (1x3500wd essay (40%) and 1xassignment (40%)) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Compulsory for GradDipPubHL candidates. MHL candidates may select this unit as one of the three compulsory units required in addition to LAWS6252 or LAWS6881.

Associated degrees: Grad Dip H L, Grad Dip Int P H, Grad Dip P H, Grad Dip Post Law, Grad Dip Pub H L, LL M, M H L, M Int P H, M P H, S J D.

How does law contribute to public health? This unit explores the role of law as a tool for protecting the public's health, responding to public health risks and implementing strategies designed to promote public health. It provides a foundation for further study in public health law, by clarifying the sources of public health law, the strategies that law can adopt, and debates about the proper role of law in protecting public health. The unit also provides a review of law's role within a number of critical areas, including: acute public health threats (focus on SARS, and bioterrorism); sexual health and STIs; and tobacco control. The unit also provides illustrations of the legal environment of public health practice and policy-making (through a case study on iatrogenic transmission of blood-borne viruses, and look-backs).

Throughout the unit, candidates will be trained to identify legal issues, to apply the law to policy tasks and public health issues, and to critically evaluate the success of the strategies law adopts to protect and promote public health. Candidates will also explore the tension between the public interest in protecting health, and competing public and private interests.

Candidates wishing to extend their knowledge of public health law may enrol in the companion unit, New Directions in Public Health Law and Policy. These units comprise a core program in public health law.

Textbooks
Useful references: Christopher Reynolds, Public Health Law and Regulation, Federation Press, 2004 [Australia focus] and Lawrence O. Gostin, Public Health Law: Power, Duty, Restraint, University of California Press, 2000 [US focus]. Issued materials will be ready for collection 4 weeks before the introductory class.

LAWS6840
Tax of Business and Investment Income A
Law

Credit points: 6 **Teacher/Coordinator:** Ms Chloe Burnett (S1 - Law School), Mr Nicholas Augustinos (S1 - EY, PwC), Ms Celeste Black (S2- DTT) **Session:** Semester 1, Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6190 **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x3000wd class essay (30%) and 1x2hr exam (70%) or 1x7500wd research paper (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Tax, M Tax, S J D.

This unit, along with LAWS6841 Taxation of Business and Investment Income B, is designed to provide an advanced study of the tax treatment of various important business transactions. It provides a detailed examination of the income tax and capital gains treatment of selected complex commercial transactions and their impact on the tax base.

The goal of the unit is to develop an understanding of the policies, detailed rules and current practical problems involved in this area of taxation, through the analysis of a number of specific problems discussed in each seminar. Because of continual change to the taxation system, recent legislative amendments and judicial decisions will be examined in detail where applicable. The unit will cover the following topics:

1. Core income and expense rules and operational concepts underlying the income tax system

2. Treatment of realised business income and the differentiation of gains liable only to CGT

3. Treatment of business expenses and the differentiation of expenses recoverable under depreciation, CGT regimes or not at all

4. Issues in the treatment of trading stock

5. Issues in the tax treatment of the costs (and revenues) associated with business equipment

This unit can be taken alone or in conjunction with LAWS6841 Taxation of Business and Investment Income B.

This unit is designed for candidates who already have a sound grasp of the Australian tax system and who wish to deepen their tax skills and expertise by further study. If you are not currently working in tax, or if you have not undertaken undergraduate tax study in Australia within the past five years, it is recommended that you undertake LAWS6825 The Impact of Tax on Business Structures and Operations before enrolling in this unit. If in doubt, consult a member of the academic staff in the tax program.

LAWS6841
Tax of Business and Investment Income B
Law

Credit points: 6 **Teacher/Coordinator:** Mr Nicholas Augustinos, TBA (Law School) and Mr Nicholas Augustinos, Ms Celeste Black (Taxation Training Program) **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6150 **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** 1x3000wd class essay (30%) and 1x2hr exam (70%) or 1x7500wd research paper (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

This unit, along with LAWS6840 Taxation of Business and Investment Income A, is designed to provide an advanced study of the tax treatment of important business transactions. It gives a detailed examination of the income tax and capital gains treatment of various complex commercial transactions and their impact on the tax base.

The goal of the unit is to develop an understanding of the policies, detailed rules and current practical problems involved in this area of taxation, through the analysis of a number of specific problems which will be discussed in each seminar. Because of continual change to the taxation system, recent legislative amendments and judicial decisions will be examined in detail where applicable. The unit will cover the following topics:

1. Issues in business financing

2. The treatment of income and expenses relating to the use and development of land and buildings

3. Treatment of income and expenses relating to intangible business assets

4. Tax accounting rules for the recognition of income and expenses

5. Simplified tax system and other small business measures

6. Specific and general anti- tax avoidance rules

The unit can be taken alone or in conjunction with LAWS6840 Taxation of Business and Investment Income A.

This unit is designed for candidates who already have a sound grasp of the Australian tax system and who wish to deepen their tax skills and expertise by further study.

LAWS6846
Human Rights and the Global Economy
Law

Credit points: 6 **Teacher/Coordinator:** Prof David Kinley **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x8000wd essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Corp Law, Grad Dip I L, Grad Dip Post Law, LL M, M B L, M I L, S J D.

The questions of whether and how the global economy and human rights interrelate and interact have excited much recent controversy on the streets, in the courts and legislatures, in corporate board rooms and in the corridors of the UN and the international trade and financial organizations. It is a controversy that will almost certainly intensify over the next few years. The debate is controversial because it is important, and it is important because it involves two great globalizing forces namely, the promotion of free market ideology through trade liberalization and the protection of human rights through the universalization of the norms that underpin human dignity.

On the face of it the two projects do sit easily together. Are they, in fact, implacably opposed to each other? Where or how do they overlap and what are the consequences or opportunities presented thereby? What role can the law play in regulating their interaction whether it be domestic or international law, 'hard' or 'soft' law. And what or who are the real actors behind the economic and human rights power blocs on the global stage?

This unit seeks both to frame these questions and to address them by reference to the most recent discussion, thinking and action in the area.

LAWS6848
New Directions in Public Health Law
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Roger Magnusson **Session:** S1 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** compulsory classwork (20%) and 1x6000wd research paper (80%) or take-home exam (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for GradDipPubHL candidates

Associated degrees: Grad Dip H L, Grad Dip Post Law, Grad Dip Pub H L, LL M, M H L, S J D.

Can the law improve public health? If so, how does it do this, and to what extent should we let it?

This unit aims to deepen candidates' appreciation of the role and possibilities of law as an instrument of policy designed to protect and promote public health. In particular, this unit will examine the contribution law is making (and could make) through novel forms of regulation, in areas where law's presence is contested, and where the public health challenge that law responds to is novel, unique, or an emerging one.

Key topics include: the limits of law's role in promoting human health; future prospects for tobacco control; the obesity epidemic; healthy environments; regulating alcohol; and the role of law and policy in responding to new epidemics (with a focus on Creutzfeldt Jakob Disease (CJD), and vCJD (the human form of "mad cow's disease"). If time permits, the unit will briefly consider future themes in public health law, including the intersection between genetics and public health, and future priorities for global health governance.

Throughout the unit, candidates will be encouraged to critically evaluate the success of the strategies law adopts to protect and promote public health, to explore new strategies that law might adopt, and to reflect on the tension between the public interest in protecting health, and competing interests.

Textbooks
Useful references include: 1) Christopher Reynolds, Public Health Law and Regulation, Federation Press, 2004 [Australia focus] and 2) Lawrence O. Gostin, Public Health Law: Power, Duty, Restraint, University of California Press, 2000 [US focus]

LAWS6851
Construction Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter (Coordinator), Prof Michael P Furmston **Session:** S1 Late Int **Classes:** block/intensive mode **Assessment:** 10,000wd essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

Construction law may be defined as the application of basic principles of Contract and Tort to the processes of building and civil engineering.

Particular features include:

- widespread use of long and complex standard forms;

- multiparty transactions; and

- difficult allocations of risk.

The unit considers the interaction between standard form and general principle, with particular reference to difficulties such as:

- liquidated damages,

- termination; and

- privity of contract.

The unit has a comparative element.

LAWS6852
Doing Business in China
Law

Credit points: 6 **Teacher/Coordinator:** Ms Vivienne Bath **Session:** S1 Late Int, Semester 2b **Classes:** S61 block/intensive mode held at the Law School. S10 block/intensive held in Europe. See www.law.usyd.edu.au/fstudent/coursework/LLM/index.shtml **Corequisites:** LAWS6252 or law degree from a common law jurisdiction **Assessment:** 1x2000wd assignment (30%) and 1xtake home exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment in the following sessions: Semester 2b.

Associated degrees: Grad Dip Corp Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

This unit aims to provide an introduction to the legal and practical aspects of doing business in China. The unit will commence with an overview of the Chinese legal, political and economic system and will then move on to an examination of the system of commercial regulation in China, including contracts, land use, regulation of private and state-owned businesses and Chinese companies and securities laws. The unit will focus on Chinese contract law and the foreign investment regime and the related structuring and regulatory issues related to foreign participation in the Chinese market. Areas covered will discuss the principal issues relating to the establishment of a corporate or other presence in China and the related negotiation process, including taxation and foreign exchange controls. The unit will conclude with an examination of methods of resolution of disputes arising under contracts entered into in China. More specialized topics which may be covered include intellectual property, labour law and regulation of financial institutions.

LAWS6856
Terrorism/Counterterrorism Policy & Law
Law

Credit points: 6 **Teacher/Coordinator:** Dr Ben Saul **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x4500wd essay (60%) and 1x2hr exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Int Sec, Grad Dip Crim, Grad Dip I L, Grad Dip Post Law, LL M, M Crim, M I L, S J D.

This unit focuses mainly on anti-terrorism laws at the domestic, comparative, regional and international levels, and also considers strategic and policy perspectives.

Textbooks
A reading brick will be available for the strategic component of the unit at least four weeks before the unit commences

LAWS6862
Hate Crime
Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Gail Mason **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xresearch paper (40%), class participation (10%) and 1x take home exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

Hate crime has emerged as a central, yet controversial, concept in law over the last two decades. This unit aims to trace the development of hate crime in Australian and international jurisdictions. It will consider the social and legal factors that have led to the construction of hate crime as a specific type of crime and a discrete legal concept. Candidates will be introduced to the major forms of hate crime, including racist, anti-Semitic, ethno-religious and homophobic crime, focusing on some of the contemporary debates, such as: is violence against women a form of hate crime? The unit will critically assess the major ways in which conduct motivated by hatred and prejudice have been explained. It will consider how the law seeks to regulate and prevent hate crime. Critical comparisons will be made between different models of regulation, such as the definition of hate crime as a specific legal wrong in US jurisdictions, the introduction of sentence enhancement provisions in the US and the UK, and the development of vilification and racial hatred provisions in Australian anti-discrimination law. The unit will ask: is the law an effective and appropriate means of intervening in the problem of hate crime?

LAWS6864
GMOs & Environmental Law
Law

Credit points: 6 **Teacher/Coordinator:** A/Prof Rosemary Lyster (Coordinator), Prof Johannes Somsen **Session:** S1 Late Int **Classes:** block/intensive mode **Assessment:** class participation (20%) and 1x6000-8000wd essay (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M Env Law, S J D.

The potential risks presented by GM crops include: the impact on non-target organisms; gene transfer from the GM crop into related species; persistence or invasiveness of GM crops; presence of antibiotic resistance genes in the GM crop; and danger of GM crops to human health. This unit will investigate the appropriate regulation of GMOs from interdisciplinary perspectives including science, ethics, economics and environmental law. The unit will be co-taught by A/Prof Rosemary Lyster and a distinguished visiting professor, Johannes Somsen, from Amsterdam University. Prof Somsen is one of the European Union's leading environmental lawyers in the area of biotechnology.

LAWS6866
IDR: Practice and Procedure
Law

Credit points: 6 **Teacher/Coordinator:** Dr Tim Stephens (Coordinator), Assoc Prof Luke Nottage **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Either LAWS6865, LAWS6060, LAWS6063 or LAWS6161. Please also refer to the Law Faculty Handbook for requirements specific to your course. **Prohibitions:** LAWS6202 **Assessment:** 1x3000wd essay (40%) and 1x4500wd research paper (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Env Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M Env Law, M I L, M Int Bus & Law, S J D.

This unit is designed as an advanced unit on international dispute resolution and builds on the foundations provided in the listed pre-requisites. The unit will focus on an assessment of the practice and procedure involved in the resolution of four types of international disputes: disputes concerning general international law; disputes concerning human rights; disputes concerning international trade law; disputes concerning international commercial transactions (through international commercial arbitration, including investor-state arbitrations). Each day of the four-day intensive will concentrate on one of these areas with particular attention being given to the practice and procedure of the International Court of Justice, UN Human Rights Committee, European Court of Human Rights, WTO Appellate Body, and international commercial arbitration bodies. Candidates will gain an appreciation of the practice and procedures of these institutions,

how they compare and contrast with each other, and their impact on the resolution of public and private international law disputes.

LAWS6870
Advanced Customs Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Alan Bennett **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is recommended that candidates who are not working in the tax area and have not taken an undergraduate tax unit in Australia in the past five years undertake LAWS6128 or LAWS6825 before enrolling in this unit. If in doubt, please consult the Taxation Program Coordinator. **Assessment:** class assignments (35%) and 1xfinal assignment (65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The unit studies Australian customs law and regulation. The introductory sessions examine the Kyoto convention (which sets out the basic requirements of a modern customs law) and some of the Annexes to the WTO Agreement (which provide the platform for many of Australia's Customs laws for example, valuation and dumping).

The unit then examines the principal Australian laws and cases regulating imports and exports including: tariff classification; customs valuation; prohibited imports and exports; seizure and forfeiture provisions; customs powers generally and administrative remedies; anti-dumping; and, the various laws which govern what markings must be on imported goods.

Australia's free trade agreements with the US, Thailand, Singapore and New Zealand are also examined with particular emphasis on the rules of origin qualifying goods for eligibility for the concessional duty rates under these FTA's.

LAWS6872
Contract Negotiation
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter (Coordinator), Prof David Yates (S61) and Prof Yates (S8) **Session:** S1 Late Int, Semester 1b **Classes:** block/intensive (S61) held at the Law School and block/intensive (S8) held in Europe. See www.law.usyd.edu.au/fstudent/coursework/LLM/index.shtml **Assessment:** simulated negotiation in teams (in class) (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will examine the legal principles that provide the overarching framework within which contract negotiations take place. It will concentrate particularly on requirements of certainty and good faith and the issues that can arise in re-negotiating terms in long-term contractual relationships. It will also address some of the techniques of negotiations. Topics covered will include: standard form contracts and negotiated contracts; "agreements to agree" and the requirements of certainty; "long-term" contractual relationships and the use of hardship and intervener clauses; "good faith" negotiations and negotiation techniques. The unit will also involve a simulated contractual negotiation in which the class will be split into teams of 3 to 5 (depending upon class size) for a "team against team" negotiation.

Textbooks

Recommended - J W Carter, E Peden & G J Tolhurst: Contract Law in Australia, Lexis Nexis, 5th ed. 2007; G H Treitel, The Law of Contract, 11th ed., Sweet & Maxwell/Thompson, 2003; Leigh Thompson: The Mind &Heart of the Negotiator, Prentice Hall, 1998; R Fisher & W Ury & B Patton: Getting to Yes, 2nd ed. Houghton Mifflin Books, 1994

LAWS6874
Contractual Damages
Law

Credit points: 6 **Teacher/Coordinator:** Prof John Carter, Assoc Prof Elisabeth Peden **Session:** S2 Intensive **Classes:** block/intensive mode **Assessment:** 1xassignment (25%) and 1xexam (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will look at the primary remedy for actions for breach of contract, namely damages. This remedy will be distinguished from contract debts, restitution, specific performance and injunctions. The compensation principle and the various elements of a damages claim will be examined. Classes will look at the different bases for assessment of contract damages, and the requirement of mitigation.

The unit also provides an insight into the ways of bridging the gap between remoteness theory and evaluating potential claims for damages.

The role of consequential loss, and the relationship between damages and contractual indemnities are also considered.

The unit will be run in a seminar style, examining leading doctrinal cases for each principle.

LAWS6876
US Government Contract Law
Law

Credit points: 6 **Teacher/Coordinator:** Adj Prof Donald Arnavas **Session:** S1 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x2hr exam (50%)and 1x3000wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M Int Bus & Law, S J D.

The unit will concentrate on the three major phases of government contracts; procurement methods and awards, contract performance and terminations, and disputes, litigation and alternative dispute resolution. Special emphasis will be given to the impact of the AUSFTA on the Australian contracting industry.

LAWS6877
Mental Illness: Law and Policy
Law

Credit points: 6 **Teacher/Coordinator:** Prof Duncan Chappell **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** classwork (10%), 1x4500wd research paper (65%) and 1xtake home exam (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip H L, Grad Dip Post Law, Grad Dip Pub H L, LL M, M Crim, M H L, S J D.

This unit deals with the law relating to mental health issues in Australia including human rights principles. Background material on the nature and incidence of mental illness, psychiatric and medical issues, as well criminological and public policy literature will be considered where relevant. The unit covers substantive issues from civil treatment, welfare law, and criminal law. Topics covered will include: the social context of mental illness and the current and historical approaches to treatment of the mentally ill; contemporary State, Territorial and Federal involvement in mental health policy and legislation; the present framework of NSW mental health law and related welfare law including the Mental Health Act, Guardianship Act, Protected Estates Act and Mental Health (Criminal Procedure) Act; the process of scheduling persons with a mental illness; review mechanisms including the roles of the medical superintendent, magistrates, the mental health review tribunal and the Supreme Court; longer term detention of the mentally ill; community treatment and community counselling orders; protected estates and guardianship orders; electroconvulsive therapy; consent to surgery and special medical treatment; the defence of not guilty on the grounds of mental illness, the review of forensic patients and the exercise of the executive discretion; the issue of unfitness to be tried; the involuntary treatment of prisoners in the correctional system; and proposals and options for reform.

LAWS6882
Insurance Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Ashley Tsacalos **Session:** S1 Late Int **Classes:** block/intensive mode **Assessment:** class participation (15%),

2xshort answer papers (15% each) and 1xtake home exam (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will provide candidates with an introduction to the general principles of insurance law. It will include an overview of the legislation that relates to insurance, particularly the Insurance Contracts Act 1984 (Cth), and the legislation that regulates the insurance industry, particularly Chapter 7 of the Corporations Act 2001 (Cth) and the Insurance Act 1973 (Cth), as well as an examination of the common law relating to insurance law. There will also be a consideration of the fundamental principles in insurance law such as the duty of utmost good faith, the duty of disclosure, double insurance, contribution, subrogation and reinsurance. This unit is taught with an emphasis on the practical application of the principles of insurance law. Therefore, the fundamental principles will be considered in a practical context. In addition, there will be a consideration of various insurance policies, standard policy conditions and exclusions as well as indemnity issues. The unit will also include an examination of insurance law in a dispute resolution framework in terms of the nature of insurance disputes, dispute resolution mechanisms and insurance litigation.

LAWS6884
International Commercial Litigation
Law

Credit points: 6 **Teacher/Coordinator:** Mr Justin Hogan Doran **Session:** Semester 2a **Classes:** block/intensive classes are held in Europe. See www.law.usyd.edu.au/fstudent/coursework/LLM/ **Prohibitions:** LAWS6824 **Assumed knowledge:** basic understanding of private international law from any legal system **Assessment:** 1x8000wd essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, S J D.

The unit examines, from a comparative perspective, questions of domestic court jurisdiction, commercial choice of law issues and recognition and enforcement of judgments against assets, across the main world legal systems. This will include European continental states, the UK and Commonwealth (Australia, Canada etc) and the USA. Particular attention will also be given to internet jurisdiction, worldwide freezing orders, and international commercial arbitration. Candidates will develop a sound understanding of the core principles of private international law in these systems, tactical and strategic concerns in international litigation, and the ability to advise clients on exposure risks for businesses with assets in multiple jurisdictions. The unit is thus aimed equally at those practicing or intending to practice in domestic and international litigation, advisers to multi-national corporations, and candidates interested in comparative law and private international law.

LAWS6887
Federal Jurisdiction
Law

Credit points: 6 **Teacher/Coordinator:** Mr Darrell Barnett, Mr Peter Kulevski **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** It is assumed that candidates have a good working knowledge of the Australian judicial system and Australian federal constitutional law. Only candidates with a law degree from an Australian institution, or who have a law degree from a common law jurisdiction and have studied Australian federal constitutional law will be permitted into the unit. **Assessment:** 1x5000wd essay (50%) and 1x3hr exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Jur, Grad Dip Post Law, LL M, M A L P, M Jur, S J D.

This unit focuses on the nature, scope and exercise of federal judicial power and federal jurisdiction. These issues have been the subject of much recent authority and development by the High Court.

The unit will cover a number of theoretical and practical issues arising in relation to the exercise by federal and state courts of federal judicial power. Particular topics covered will include the nature of judicial power and the doctrine of separation of powers, the scope of the original jurisdiction of the High Court, the conferral of federal jurisdiction on federal courts, the investment of State courts with federal jurisdiction, rights to appeal to the High Court and the exercise by Territory courts of federal jurisdiction. This unit will also focus on the exercise of federal jurisdiction and the operation of the Judiciary Act, including the High Court's power of remove and remit matters, the effect of s64 of the Judiciary Act and the problem of identifying the appropriate body of procedural and substantive law to apply in proceedings in federal jurisdiction.

Textbooks

Zines, Cowen and Zine's Federal Jurisdiction in Australia, (3rd ed, Federation Press, 2002)

LAWS6888
Risk, Fear and Insecurity
Law

Credit points: 6 **Teacher/Coordinator:** Dr Murray Lee **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3500wd essay and 1x4000wd take home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

This unit considers the significance of anxiety, 'fear of crime', risk and insecurity in the late modern world. It uses sophisticated analytical tools to discuss both the supposed growth in 'fear of crime' and the emergence of an array of technologies aimed at the reduction of crime risks. It also critically examines just what 'fear of crime' might actually be and how newspapers, security products, and insurance can be sold to us using the hook of our own anxieties. It also examines the anxieties related to terrorism and threats to national security and sovereignty.

Textbooks

Lee, M (2007) Inventing Fear of Crime, Willan, Devon. Course Reader to be compiled

LAWS6890
Principles of Defamation Law
Law

Credit points: 6 **Teacher/Coordinator:** Dr David Rolph **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** Candidates who have completed an undergraduate or postgraduate unit in defamation law **Assumed knowledge:** undergraduate law degree or equivalent **Assessment:** 1x2500wd assignment (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

Defamation law is a complex area of law that has a significant impact on everyday communications, especially the mass media.

This unit of study is designed for candidates who hold an undergraduate law degree but have not studied defamation law before.

It seeks to introduce candidates to the principles of liability for defamation. It will analyse issues of defamatory capacity and meaning; identification; publication; defences to defamation, including truth, absolute and qualified privilege and comment; and remedies for defamation, including damages and interlocutory injunctions.

LAWS6891
GST - International Issues
Law

Credit points: 6 **Teacher/Coordinator:** Ms Rebecca Millar **Session:** S2 Late Int **Classes:** block/intensive mode **Prerequisites:** LAWS6214 or LAWS6814 **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** This unit complements and further develops the understanding of international issues relating to GST, developed in either LAWS6214 or LAWS6814 **Assessment:** 1xexam (60%), class work (essay/problem question/case note/class presentation) (30%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Int Bus & Law, M Int Tax, M Tax, S J D.

The object of the unit is to broaden your existing knowledge of the international coverage of Australian Goods and Services Tax (GST) and to develop an understanding of the policies, detailed rules, and current practical problems involved in applying GST to cross-border transactions.

The unit will focus on the jurisdictional coverage of Australian GST, analysing in detail the complex issues that can arise in determining how GST applies to cross-border transactions. The unit will commence with an outline of the principles governing jurisdictional coverage: the destination principle and origin principles, and the use of proxies for determining the place of taxation. The unit will include a strong comparative element, situating the Australian rules within the framework of value added taxes around the world, and will explain where the Australian model differs from both the European and New Zealand models for determining the place of taxation.

Topics covered will include:

- the 'connected with Australia' rules, considered separately for goods, real property, and 'things other than goods or real property';

- the importation of goods and the interaction between the importation rules and the connected with Australia rules;

- the GST-free treatment of exports of goods and exports of 'things other than goods or real property';

- the treatment of international travel, 'arranging for' services in relation to various GST-free supplies, and international mail;

- telecommunications supplies (both incoming and outgoing), including issues relating to phone cards, mobile roaming, inter-carrier charges, and the problems raised by the increasing use of VOIP; and

- the operation of the reverse charge provisions.

Within each topic, the added complexities raised by multi-party transactions will be discussed, and the relevance of place of consumption will be considered. Other issues that may be covered include cross-border financial supplies, gambling, and insurance, and e-commerce.

LAWS6892
Taxation of Mergers and Acquisitions
Law

Credit points: 6 **Teacher/Coordinator:** Prof Graeme Cooper **Session:** S2 Late Int **Classes:** (1x2hr lec)/wk **Corequisites:** LAWS6030. Please also refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3000wd assignment (30%) and 1x2hr exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M Tax, S J D.

The unit will focus on the tax issues arising on the takeover or re-organisation of a corporation. Unique and complex tax issues arise for the corporation, its existing shareholders and, in the case of a takeover, its acquirer. These issues will influence the method of effecting the transaction, the method of financing it and indirectly the price paid.

For takeovers, the unit will examine the impact of a takeover on the various tax attributes located in the target company, the computation of its income in the year of change, the recovery of its losses and the limits on losses available to shareholders because of the anti-duplication rules. We also consider how the tax system might influence the method of financing the takeover.

The unit will also examine the impact for shareholders and the corporation of undertaking the merger of two or more corporations. The unit will also examine the impact for shareholders, intermediaries and the corporation of the de-merger of a corporation from a group of corporations.

For reconstructions, the unit will examine the impact for shareholders and the corporation of selected transactions: conversion into corporate form, change of corporate form and the re-capitalisation of a corporation.

LAWS6893
Environmental Criminology
Law

Credit points: 6 **Teacher/Coordinator:** Dr Murray Lee **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class projects (10%), 1x4500wd research paper (50%) and 1xtake home exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip Env Law, Grad Dip Post Law, LL M, M Crim, M Env Law, S J D.

The unit examines traditions of criminological theorising, research and public intervention that focus on the socio-spatial context(s) and determinants of crime and its governance. It explores the principal sources of data collection, the methodologies and theoretical underpinnings concerned with the spatial and social ecological dispersion of crime and deviance and its techniques of management and control. It also explores the relationship of public safety and crime prevention to public policy/interventions in areas such as urban and regional planning, housing, local government and community services.

LAWS6894
International Human Rights Advocacy
Law

Credit points: 6 **Teacher/Coordinator:** Ms Irene Baghoomians **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x3500wd essay (50%) and advocacy exercise (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Post Law, LL M, M I L, S J D.

The unit aimed at candidates who would like to pursue academic and/or other careers as human right advocates both in the domestic private and government sectors as well as in the international arena.

This postgraduate unit builds on the candidates' knowledge of public international law and in particular international human rights law by focusing on and analysing the multifaceted and diverse jurisprudence developed by a range of organisations including the United Nation's Treaty Bodies, International Tribunals and Non-Governmental Organisations.

Theoretically, international human rights are indivisible, inalienable and universal. However, human rights of some individuals and groups are routinely abused, downgraded, or watered down by States, corporations or other individuals. This unit of study primarily considers how human rights lawyers, advocates and scholars, in response to such abuses, formulate and present arguments before international and domestic for a and analysis the ever-expanding human rights law jurisprudence developed as a result of such advocacy and/or litigation. To this end, candidates will deepen their theoretical knowledge of the fundamental norms of international human rights law and its requisite machinery. As an ancillary learning objective, candidates also endeavour to integrate the above knowledge with the practicalities of human rights advocacy and its relationship to: democracy and the political arena; the exercise and dynamics of power; rights and citizenship; and citizen education and action. Candidates should gain detailed insights into: identification of issues and their prioritisation; contextual analysis; setting of goals, various advocacy strategies, publicity avenues as well as program evaluation/feedback and fundraising. The unit will focus on and critique a number of legal advocacy strategies and techniques in domestic and international fora.

This unit of study will include scholarly readings, case studies, guest speakers, simulations and on-line discussion forums. Candidates will be expected to complete a paper in an area covered in the unit.

LAWS6895
Gender, Race and Crime
Law

Credit points: 6 **Teacher/Coordinator:** Prof Julie Stubbs **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6051 **Assessment:** 1xtake home exam (40%), 1x4500wd essay (50%) and class presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip Post Law, LL M, M Crim, S J D.

Gender, Race and Crime is an inter-disciplinary unit that critically examines crime and justice through the lens of gender and race/ethnicity. It is taught using a seminar format, and encourages candidates to undertake independent research on issues related to the unit.

The objectives are:

- To provide a theoretical understanding of the concepts of gender, race/ethnicity and their intersection with other social categories including but not limited to class, and their relationship to the construction of crime, crime control and justice.

- To provide a critical understanding of the empirical data on the relationship between race/ethnicity, gender and the criminal justice system.

- To encourage candidates to develop a critical analysis of the criminal justice system and related forms of regulation by focusing on race/ethnicity, gender and their intersection.

- To encourage candidates to develop their skills in inter-disciplinary research.

Themes covered in the unit will include: definitions and constructions of knowledge about race, ethnicity and gender and their effects; whiteness and white privilege; the impact of colonial relations on indigenous people and their relationship with the criminal law; criminalisation, victimisation and contemporary criminal justice; alternative forms of justice. Other topics will be selected to reflect contemporary debates and issues and may include: violence against Aboriginal women and children; media constructions of race, ethnicity and crime; and migration and crime (migration for marriage, refugees, trafficking).

LAWS6896
Internatl & Comparative Criminal Justice
Law

Credit points: 6 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6269 **Assessment:** class presentation (20%), 1xessay (40%) and 1xtake home exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip I L, Grad Dip Post Law, LL M, M Crim, M I L, S J D.

This unit explores the growing internationalisation of criminal justice through an examination of forms of transnational crime and international conflicts and the infrastructure that is being developed to regulate global insecurities and criminal harms. It will explore the development of various institutions in response to international crimes and their relation to international human rights and access to justice. It will consider the different paradigms of justice that inform diverse international developments, notably contrasts between retributive and restorative justice. The unit will explore tensions and conflicts between nation-state based criminal justice and international norms, processes and procedures for regulating crime. It will assess the extent to which a distinct international criminal justice order is being established, the nature of its jurisprudence and values and its implications.

LAWS6898
Integrated Natural Resource Management
Law

Credit points: 6 **Teacher/Coordinator:** Dr Gerry Bates **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6081 **Assessment:** 1xproblem based 4000wd assignment (50%) and 1x4000wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, LL M, M Env Law, M Envi Sci Law, S J D.

This unit examines how natural resources, including forestry, minerals, soil, water and fisheries, can be managed in an integrated manner in the context of mining, agriculture, tourism and Aboriginal land rights. The unit explores the concept and implications of Integrated Natural Resource Management - a planning and decision-making process that attempts to coordinate resource use to optimise its long-term sustainable benefits and to minimise conflicts among users of the resource. It attempts to balance economic, environmental, and social requirements, consistently with the principles of ecologically sustainable development. Legal and other strategies to achieve Integrated Natural Resource Management are discussed, as are the roles of the Commonwealth and New South Wales. The international context is also referred to.

LAWS6899
Corporate Environmental Responsibility
Law

Credit points: 6 **Teacher/Coordinator:** Ms Nicola Franklin, Assoc Prof Rosemary Lyster, Dr Gerry Bates **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Prohibitions:** LAWS6082 **Assessment:** 1xproblem based 4000wd assignment (50%) and 1x4000wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Env Law, Grad Dip Post Law, Grad Dip Pub H L, LL M, M Env Law, S J D.

This unit examines the environmental regulation of corporations and how regulation has evolved from 'command and control' to incorporate a diverse range of instruments designed to inculcate corporate environmental responsibility. Traditional regulation is studied along with market-based strategies (price-based and rights-based), information strategies (such as emissions inventories and corporate reporting), environmental auditing and environment management systems (including ISO14001). The unit explores regulatory flexibility, co-regulation and voluntary agreements, and the participation of non-government entities, such as financial institutions, in corporate environmental regulation. Regulation of small, medium and large enterprises is explored with a view to designing appropriate regulatory strategies. An important theme is the role of corporate social responsibility (CSR) in driving changes in corporate attitudes towards the environment and articulating the corporate benefits of going beyond compliance with the letter of environmental laws. The unit also explores the role of criminal law in bringing about changes in corporate management and behaviour and in equipping environmental regulators with the range of tools needed to develop effective strategies.

LAWS6900
Comparative Admiralty and Maritime Law
Law

Credit points: 6 **Teacher/Coordinator:** Justice James Allsop (Coordinator), Mr Peter McQueen **Session:** Semester 2 **Classes:** (1x2hr lec)/wk **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** Law degree is preferable but knowledge gained from work in shipping or related fields will be sufficient **Assessment:** 1X2.5hr exam (60%) and 1X3000wd essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

The unit is designed to complement the separate (though non-requisite) unit, LAWS6849 Commercial Maritime Law, which is focused upon the commercial use of the ship, carriage by sea and the shipping industry. This unit, LAWS6900 Comparative Admiralty and Maritime Law, is designed to provide a thorough foundation of comparative knowledge of Admiralty practice in the major trading jurisdictions, of marine insurance in all its forms and dispute resolution and conflict of laws in relation to maritime disputes. Though Commercial Maritime Law is not a pre-requisite, the two units (which will be taught in alternative years) together provide a comprehensive foundation in commercial maritime law and practice.

Textbooks
Davies, M and Dickey, A, Shipping Law (3rd Ed)

LAWS6902
Comparative Labour Law and the ILO
Law

Credit points: 6 **Teacher/Coordinator:** Prof Arturo Bronstein **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the

Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (20%) and 1x8000wd research paper (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Post Law, LL M, M I L, M L L R, S J D.

In this unit of study, Mr Arturo Bronstein, the Secretary of the International Society for Labour and Social Security Law, examines labour law from an international and comparative perspective. The particular focus of this unit of study will be on the role of the International Labour Organisation in promoting and enforcing international labour standards. Australia joined the International Labour Organisation as one of its founding members in 1919. However, it was not until 1973 that Australia began ratifying International Labour Organisation's conventions in earnest. In this era of globalisation and world trade, international labour standards have become of greater importance, especially when they are incorporated into various bilateral trading treaties. This unit of study will be a fascinating opportunity for students to learn about the current operations and reach of the International Labour Organisation in a comparative perspective.

LAWS6903
Interpreting Commercial Contracts
Law

Credit points: 6 **Teacher/Coordinator:** Prof David McLauchlan **Session:** S2 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (20%) and 1xtake home exam (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will examine the still evolving principles relating to the interpretation of commercial contracts.

In recent years contract interpretation disputes have been the most frequently litigated contract cases. Their outcome is also notoriously difficult to predict. Time and again judges have disagreed not only on the correct approach but also on such elementary questions as whether particular words have a plain meaning and what is the 'commonsense' or 'commercially realistic' interpretation. The unit will seek to shed light on the reasons for such disagreement.

Topics to be covered, principally through a series of case studies, include: the relationship between principles of contract formation and contract interpretation; the objective approach and its limits; the relevance of the parol evidence rule; the status of the plain meaning 'rule'; the effect and implications of Lord Hoffmann's fundamental restatement in the Investors Compensation Scheme case; the reception of this restatement by the courts in Australia and New Zealand; the equitable remedy of rectification; the admissibility of prior negotiations and subsequent conduct as aids to interpretation; the differences between the common law principles of contract interpretation and those contained in important international instruments such as the United Nations Convention on Contracts for the International Sale of Goods, the Unidroit Principles of International Commercial Contracts and the Principles of European Contract Law.

LAWS6904
International Securitisation Law & Prac
Law

Credit points: 6 **Teacher/Coordinator:** Mr Jan Job de Vries Robbé **Session:** S1 Intensive **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** LAWS6810 or background in corporate law or comparable experience in practice **Assessment:** 1x10000wd essay (90%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip I L, Grad Dip Post Law, LL M, M B L, M I L, S J D.

Securitisation is an innovative and flexible financing tool that provides an alternative (or, in some instances, a complement) to traditional forms of finance.

The scope of assets securitised has been expanding rapidly. Also, new securitisation structures are increasingly used in practice.

This unit considers the legal issues that affect securitisation and examines how structures are tailored to reflect the commercial factors that drive securitisation transactions.

This unit covers both Australian and international (especially European but also emerging markets) securitisation practice. Actual transactions will be discussed in class.

LAWS6905
Aspects of European Union Commercial Law
Law

Credit points: 6 **Teacher/Coordinator:** Ms Anne McNaughton **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x2000wd assignment (30%) and 1x5000wd research essay (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M I L, M Int Bus & Law, S J D.

This unit will look at the way in which European commercial law has been shaped by European Union law. It sets out the history and development of the European Union and introduces its institutional structure. The unit then focuses on aspects of commercial law in the European Union and the relationship of EU law and national law. Topics covered include the Common Commercial Policy, a European Contract Law, the development of the Single Market and aspects of the European Union's external commercial relations. This unit will be run in a seminar style, examining primary and secondary EU law and aspects of national law in some Member States.

LAWS6906
Comparative Tax of Financial Transaction
Law

Credit points: 6 **Teacher/Coordinator:** Prof Tim Edgar **Session:** S2 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x8000wd research paper (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

This unit of study examines the income tax treatment of financial instruments from a policy and comparative perspective. The emphasis is not so much on detailed technical rules but rather the underlying principles and issues in the income taxation of financial arrangements. Country legislation and practices are drawn on selectively to illustrate possible policy responses to particular issues. The approaches used in Australia, New Zealand, the United Kingdom and the United States will be used extensively. The format of the course will be a combination of lectures and case studies. Principal topics will include:

- The general tax policy principles and financial market theories relevant to the income tax treatment of financial arrangements;

- Debt-financing techniques, particularly the treatment of interest surrogates and hybrid debt instruments;

- Equity-financing techniques and, in particular, the classification of instruments as debt or equity;

- The income tax treatment of hedging transactions and synthetic instruments; and

- Income tax issues raised by the cross-border use of financial arrangements.

LAWS6907
Comparative Law of Evidence
Law

Credit points: 6 **Teacher/Coordinator:** Prof Ian Dennis **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** common law legal method **Assessment:** 1x8000wd essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Crim, Grad Dip Jur, Grad Dip Post Law, LL M, M Crim, M Jur, S J D.

The unit will be a thematic and comparative study of central principles of the law of evidence. The main focus will be on evidence in criminal

cases, and the comparators will be Australia, England and the USA. The unit will focus on the aims of evidence law, followed by the role of constitutional protections and human rights in relation to evidential issues. There will then be seminars on particular evidential topics, such as exclusionary discretion, self-incrimination, illegality and unfairness, self-incrimination, burden of proof and so on. These seminars will take the relevant legislation and one or two leading cases from each of the three jurisdictions as a focus for detailed inquiry into the issues raised by the topic and the comparative solutions. It will not be necessary for candidates to have studied Evidence before, although it will be an advantage. The unit objectives are that candidates should acquire an accurate understanding of the relevant principles of the law of evidence and their underlying theory, a critical appreciation of constitutional and human rights jurisprudence relating to evidential issues and an ability to engage in comparative analysis and critique of the law of evidence.

LAWS6908
Recent Developments in EC Income Tax Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof Frans Vanistendael **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1xexam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip I L, Grad Dip Int Bus L, Grad Dip Post Law, Grad Dip Tax, LL M, M B L, M I L, M Int Bus & Law, M Int Tax, M Tax, S J D.

This unit of study deals with recent developments in EC income tax law. The unit will provide an overview of EC income tax. It will focus particularly on the application of the fundamental freedoms established under EC Treaty to national and international personal and corporate income tax rules of the Member States. The unit will also consider the progress made on the development of a common base for taxation of EU companies.

LAWS6909
International Corporate Law
Law

Credit points: 6 **Teacher/Coordinator:** Mr Saul Fridman **Session:** Semester 2a **Classes:** block/intensive held in Europe. See www.law.usyd.edu.au/fstudent/coursework/LLM/index.shtml **Assessment:** 1x6000-8000wd research essay or 1xtake home exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit studies the policy and application of basic principles of corporate law shared by a number of common law jurisdictions. It looks closely at the fundamental theoretical principles on which these jurisdictions have based their statutes, focussing primarily on Australia, Canada and the US. Our aim will be to contrast and compare particular aspects of the various laws, rather than achieve the complete mastery of the complex laws of each system. The unit will cover the following topics:

- Policy and principles of corporate law, history of the corporate form
- Formation of the corporation
- Corporate personality
- Duties of directors and managers: corporate governance
- Majority control of corporations
- Devices for the protection of the minority

LAWS6910
US Media Law
Law

Credit points: 6 **Teacher/Coordinator:** Prof David F Partlett **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assumed knowledge:** LAWS6252 or law degree from a common law jurisdiction **Assessment:** class participation (20%) depending on numbers and 1x6000-8000wd essay (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Int Bus L, Grad Dip Post Law, LL M, M B L, M Int Bus & Law, S J D.

With different constitutional foundations, there are many similarities and points of comparison between the law of defamation in the United States and Australia. In addition, the law of the United States has long provided more extensive protection of privacy than Australian law, which is now in a critical stage of development since the statutory re-introduction of truth as a complete defence to defamation in Australia. This intensive unit will cover the constitutional background and law regulating media content in the United States, with particular emphasis on: the scope and impact of constitutional protection of freedom of speech in the United States; the law of defamation; and the protection of privacy. Some comparison with Australian law will be included. Professor David Partlett, Dean and Professor of Law at Emory Law School has written extensively on comparative defamation law, free speech and privacy law and is also a co-author of the leading US casebook on Tort Law.

LAWS6912
Fundamentals of the Law of Trusts
Law

Credit points: 6 **Teacher/Coordinator:** Ms Jennifer Stuckey-Clarke **Session:** S1 Late Int **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** 1x2hr open book exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Comm Law, Grad Dip Corp Law, Grad Dip Post Law, LL M, M B L, S J D.

This unit will review the fundamental principles of the institution of the trust with particular reference to the creation, variation and amendment of trusts, trustees' powers and duties and the rights of beneficiaries regarding administration of trusts.

In this context, the unit will review key legislation, such as the Trustee Act 1925 (NSW), the Succession Act 2006 (NSW) and the Charitable Trusts Act 1993(NSW).

The unit will be taught by Jennifer Stuckey Clarke a member of the NSW Bar and Academician, International Academy of Estate and Trust Law.

LAWS6913
Problems in Med Negligence Litigation
Law

Credit points: 6 **Teacher/Coordinator:** Mr David Hirsch **Session:** Semester 1a **Classes:** block/intensive mode **Corequisites:** Please refer to the Law Faculty Handbook for requirements specific to your course **Assessment:** class participation (20%) and 2x3000wd assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip H L, Grad Dip Post Law, LL M, M H L, S J D.

This unit will provide an in-depth examination of four contemporary medico-legal problems: compensation for the loss of a chance, the duty to advise patients of risks and treatment options, "wrongful birth" and "wrongful life". These problems will be explored from the legal, medical, ethical and political perspectives. By reviewing foundation legal principles, the leading cases and academic literature, and especially by participation in class discussions, students will be expected to develop an appreciation of the complexities presented by these difficult issues.

These medico-legal problems will be used to provide a practical introduction to litigation strategy and advocacy.

LAWS7001
Legal Research 2
Law

Credit points: 6 **Teacher/Coordinator:** Prof Terry Carney **Session:** Semester 1 **Classes:** (1x2hr lec)/wk **Prerequisites:** LAWS6077 **Assessment:** preparation of an approved foundation chapter (70%) and class participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: compulsory for PhD and SJD candidates

Associated degrees: Ph D, S J D.

The unit will cover the following topics:

- higher degree research: students, supervisors and the faculty;
- refining your thesis: lessons from the strategy;
- developing/locating your thesis: lessons from the strategy;
- comparative law techniques;
- using international law materials;
- using historical materials/methods;
- conceptualising and researching the law in action;
- narratives, interviews, case-studies and other 'selective' forms of analysis;
- quantitative research methods: common pitfalls;
- quantitative research methods: forms of presentation and analysis;
- current problems in research & presentation;
- current problems II; and
- overview and review.

LAWS7002
Legal Research 3
Law

Credit points: 6 **Teacher/Coordinator:** Prof Hilary Astor **Session:** S2 Intensive **Classes:** Candidates are required to attend a block/intensive mode - initial meeting as scheduled on the timetable. 2xother sessions (including 1xday presentation given by candidates) will be decided at this meeting. **Prerequisites:** LAWS6077 and LAWS7001 **Assessment:** Assessment will be on a pass/fail basis. The assessments are 1. Seminar presentation on an aspect of the candidate's thesis; 2. A written outline of goals for the unit and written reflection on achievements during the course and 3. Reading, commenting on and providing written feedback on a chapter of the thesis of another class member. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: compulsory for PhD and SJD candidates

Associated degrees: Ph D, S J D.

This unit provides candidates who are nearing the end of the process of writing their thesis with the support and resources to assist them to complete in a timely manner. It provides opportunities for participants to refine and improve their writing by exposing central ideas from their theses to constructive criticism by colleagues; to develop the skills of presentation of scholarly work in an academic setting; to provide access to a group of people who are all engaged in completing theses and who can provide informed support. The unit can be tailored to the needs of individual candidates.

LAWS7004
Thesis A
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed faculty staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS7005 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: S J D.

Candidates for the Doctor of Juridical Studies must enrol in LAWS7004 and LAWS7005 respectively whilst undertaking supervised research towards completion of a thesis.

LAWS7005
Thesis B
Law

Credit points: 6 **Teacher/Coordinator:** Supervised by an appointed faculty staff member **Session:** Semester 1, Semester 2 **Corequisites:** LAWS7004 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: S J D.

Candidates for the Doctor of Juridical Studies must enrol in LAWS7004 and LAWS7005 respectively whilst undertaking supervised research towards completion of a thesis.

LNGS6558
Treatise Part 1
Arts

Credit points: 12 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a treatise of 25,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Research and writing toward a treatise of 25,000 words on an approved topic, under the supervision of an academic member of staff. Prospective candidates should consult Prof W Foley prior to enrolment.

LNGS6559
Treatise Part 2
Arts

Credit points: 12 **Teacher/Coordinator:** Prof W. A. Foley **Session:** Semester 1, Semester 2 **Prerequisites:** LNGS6558 **Assessment:** Completion and submission of a treatise of 25,000 words, following satisfactory completion of LNGS6558 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Completion and submission of a treatise of 25,000 words on an approved topic, written under the supervision of an academic member of staff.

LNGS7001
Structure of English
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jane Simpson **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week in semester 1, on-line in semester 2 **Assessment:** Assignments totalling 5,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Semester 2: Web delivery i.e., the unit is offered online only in semester 2

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert E L A, Grad Cert P C, Grad Dip App Ling, Grad Dip Arts, Grad Dip P C, M A, M App Ling, M C C, M Litt, M P C, PG Coursework Exchange.

Development of analytical skills in determining the phonology, morphology and syntax of languages. Different approaches to writing grammatical descriptions of languages, with a view to preparing useful grammars. Material mostly drawn from languages relevant to the students.

LNGS7002
Language, Society and Power
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Mahboob **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Assignments totalling 5000 words, including a group research project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert Dv St, Grad Cert E L A, Grad Cert P C, Grad Dip App Ling, Grad Dip Arts, Grad Dip P C, M A, M App Ling, M C C, M Litt, M P C, PG Coursework Exchange.

Language is a symbolic currency: mastery of the standard language can buy institutional power, mastery of urban teenage slang can buy street cred. This course introduces students to key issues in sociolinguistics and language sociology such as the political economy of language, language variation and change, and critical discourse analysis. Members of the class will undertake empirical research.

Textbooks
Meshtrie, R., J. Swann, et al. (2000). Introducing Sociolinguistics. Edinburgh, Edinburgh University Press.
A reader with additional readings will be made available.

LNGS7004
Register and Genre in English
Arts

Credit points: 6 **Teacher/Coordinator:** Prof J Martin **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Assignments totalling 5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert Dv St, Grad Cert E L A, Grad Cert P C, Grad Dip App Ling, Grad Dip Arts, Grad Dip P C, M A, M A F L, M App Ling, M C C, M Litt, M P C, PG Coursework Exchange.

Introduction to the theory of genre and register; differences between grammatical and discourse structures; discussion of basic discourse systems; speech function and exchange structure, conjunction and continuity - reference - lexical cohesion; the interaction of discourse and grammar: cohesive harmony, method of development and argumentation; relations between language, register and genre; discussion of register systems; introduction to genre; schematic structure; code in relation to genre, register and language.

Textbooks

J R Martin & David Rose, Genre Relations: mapping culture. Equinox

LNGS7006
Cross-Cultural Communication
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jane Simpson **Session:** Semester 2, Winter Main **Classes:** 2 hours per wk or Winter School intensive **Prohibitions:** Eligible students undertaking Winter School 2008 may enrol in LNGS7006 OR LNGS7102, not both. **Assessment:** Assignments totalling 5000 words, including a group research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert C S, Grad Cert D C C, Grad Cert Dv St, Grad Cert E L A, Grad Cert Media Prac, Grad Cert P C, Grad Dip App Ling, Grad Dip Arts, Grad Dip Media Prac, Grad Dip P C, Grad Dip Stat Pr, M A, M App Ling, M C C, M Litt.

In today's globalized and multicultural societies, cross-cultural communication is common enough. Even so, it continues to be a challenge, both for people who engage in cross-cultural communication on a daily basis, and for researchers trying to describe and understand it. In this unit of study we will consider a variety of discourse-analytic approaches to studying cross-cultural communication, including conversation analysis, speech act theory, interactional sociolinguistics, the ethnography of communication, and critical discourse analysis. In our analyses of actual samples of cross-cultural communication we will pay particular attention to the social positioning of participants in an interaction, and the ways how social relationships (particularly of power and intimacy) between participants are reflected in their linguistic practices. The course will end with exploring applied perspectives, particularly on cross-cultural communication in educational, courtroom and workplace interactions.

Textbooks

Holliday, A., M. Hyde, et al. (2004). Inter-cultural communication: an advanced resource book. London, Routledge.
A reader with additional readings will be made available.

LNGS7101
Bilingualism
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Mahboob **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** Assignments totalling 5000 written words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert Dv St, Grad Cert E L A, Grad Cert Lib Stud, Grad Dip App Ling, Grad Dip Arts, M A, M App Ling, M C C, M Litt, PG Coursework Exchange.

The role of institutions, social contact and language attitudes in language maintenance and shift. Bilingual and multilingual proficiency: deficit and assets, social, educational and psychological aspects. Bilingual/multilingualism programs and the bilingual/multilingual classroom.

LNGS7102
Educational Linguistics
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Mahboob **Session:** Winter Main **Classes:** 2 hours per week **Prohibitions:** Eligible students undertaking Winter School 2008 may enrol in LNGS7006 OR LNGS7102, not both. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Dip App Ling, Grad Dip Arts, M A, M A F L, M App Ling, M C C, M Litt, PG Coursework Exchange, PG Summer/Winter School.

The relation of linguistics to education. Language teaching. Language and educational disadvantage. Language across the curriculum. The development of oral and written skills. Sociolinguistic factors.

LNGS7272
Additional Lang Learning:TESOL/SLT/LOTE
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ahmar Mahboob **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Assignments totalling 5000 written words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Dip App Ling, Grad Dip Arts, M A, M App Ling, M C C, M Litt, PG Coursework Exchange.

The course will provide an overview of the various theories of Additional Language Learning or "Second Language Acquisition" as the field is more widely known. Although traditionally psycholinguistic theories have been most influential in the study of additional language learning, this course will place a stronger emphasis on more recent sociocultural perspectives on additional language learning, which have mainly emerged from the study of English as a second language. We will discuss examples of language learning processes, products and outcomes in a variety of contexts from around the world. The course also has a practical component in which applications of the research findings in L2 teachings will be explored. An additional or second language (L2) is any language the learning of which takes place somewhat later than the acquisition of the first language. This means that this class will not deal with infant bilingualism and it also means that an L2 may in fact be the third, fourth or fifth language a person is working with.

LNGS7273
Additional Lang Teaching:TESOL/SLT/LOTE
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ahmar Mahboob **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Assignments toalling 5000 written words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Dip App Ling, Grad Dip Arts, M A, M App Ling, M C C, M Litt, PG Coursework Exchange.

Additional Language Teaching (ALT) provides an introduction to theories of Second Lanuage Learning (SLL) and focuses on their applicability to the classroom. It situates ALT in its social context by exploring the political economy of ALT, including an inquiry into the role of native- and non-native-speaking teachers. Students will learn about the theories of SLL that have influenced ALT methodology, and the ways and contexts in which they have done so. They will explore the applicability of those methods in critical practice. The course includes components that deal with assessment and curriculum development and planning in SLT. The course will have a string TESOL component without ignoring other second languages.

LNGS7274
Media Discourse
Arts

Credit points: 6 **Teacher/Coordinator:** Prof J Martin **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Assignments totalling 5000 written words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Cert E L A, Grad Cert Lib Stud, Grad Cert P C, Grad Dip App Ling, Grad Dip Arts, Grad Dip Media Prac, Grad Dip P C, Grad Dip Stat Pr, M A, M App Ling, M C C, M Litt, M Media Prac, M P C, M Strat P R, PG Coursework E.

"Sexy, healthy and 100% Australian-owned!" In this unit you will learn about discourse analytic approaches to media communication. The discourse of advertising and gender discourses in the media will form a special focus of the course. Furthermore, we will explore the politics of media discourses, the ways in which social identities are constructed in the media, differences between communication in various media (print, radio, TV, Internet), the rhetoric of persuasion and the discourses of popular culture. The framework for the course derives

from functional linguistics and critical discourse analysis, as well as cultural studies.

Textbooks
Bell, A 1991 The Language of the News Media. London: Blackwell

LNGS7275
World Englishes
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ahmar Mahboob **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Regular attendance + homework (1000 words) + research paper with a focus on one specific variety of English (2000 words) + ongoing written assignments (2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Ling, Grad Cert E L A, Grad Cert P C, Grad Dip App Ling, Grad Dip P C, M App Ling, M C C, M P C, PG Coursework Exchange.

If you are interested in issues of globalization and language and/or the role of English in today's world, then this unit is for you. We know that English is now the global language of politics, trade, commerce, media, research, and higher education. In this unit, we examine how these processes impact the English language, how people around the world relate to and adapt the language, and how this impacts the linguistic, pedagogical, and political landscapes.

LNGS7301
Functional Grammar
Arts

Credit points: 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 2 **Classes:** Intensive (offshore) mode at Sun Yat-Sen University, China **Assessment:** Assignments on grammar analysis and its application to texts (4000 - 5000 words equivalent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Available to offshore Master of Applied Functional Linguistics candidates only.

Associated degrees: M A F L.

This unit will focus on Halliday's functional grammar, including coverage of transitivity, mood, theme, clause-complexing and nominal group and verbal group structure (including functional structures and introductory accounts of the systems from which they derive). The unit will focus on English but include exemplification from other languages where appropriate. In addition the place of grammar in functional models of language will be considered, and critical aspects of system/structure theory introduced.

LNGS7302
Discourse Semantics
Arts

Credit points: 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 2 **Classes:** Intensive (offshore) mode at Sun Yat-Sen University, China **Assessment:** Assignments on grammar analysis and its application to texts (4000 - 5000 words equivalent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Available to offshore Master of Applied Functional Linguistics candidates only.

Associated degrees: M A F L.

This unit will focus on functional approaches to discourse semantics, including consideration of identification, appraisal, negotiation, ideation, conjunction and periodicity. Analyses will be developed for texts across a range of spoken and written registers. The place of discourse analysis in functional models of language will be critically reviewed, and alternative perspectives outlined.

LNGS7303
TEFL Methodology-Functional Perspectives
Arts

Credit points: 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 2 **Classes:** Intensive (offshore) mode at Sun Yat-Sen University, China **Prohibitions:** EDPJ5013 **Assessment:** A critique of current literature in TEFL methodology; project creating socially and culturally relevant teaching material; participation in regular WebCT sessions; oral presentation and demonstration; personal portfolio (total 4000 - 5000 words equivalent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Available to offshore Master of Applied Functional Linguistics candidates only.

Associated degrees: M A F L.

This unit provides an introduction to theories and practices of teaching English as a foreign language. It situates TEFL in its social context by exploring the political economy of English teaching, including an inquiry into the role of native- and non-native-speaking teachers, and into World Englishes. The unit will integrate a discussion of how SFL contributes to an understanding of TEFL. Students will learn about the theories of Second Language Acquisition that have influenced TEFL methodology and how these can impact teaching practices.

LNGS7304
Language, Identity and Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 2 **Classes:** Intensive (offshore) mode at Sun Yat-Sen University, China **Prohibitions:** LNGS7105, LNGS7109 **Assessment:** Assignments totalling 4000-5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Available to offshore Master of Applied Functional Linguistics candidates only.

Associated degrees: M A F L.

This unit examines the expression of social and cultural identities and relationships through language, including the connections between social groups, style-shifting, and registers. Based on an understanding of work in SFL and critical discourse analysis (CDA), students will examine how language is used to construct, negotiate, and project identities. Students will work with primary data to investigate key issues identified. This active engagement will empower participants and prepare them to face current challenges in the field of applied functional linguistics.

LNGS7521
Essay 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ahmar Mahboob **Session:** Semester 1, Semester 2 **Assessment:** 5000 word research essay on an approved topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert App Ling, Grad Cert Arts, Grad Dip App Ling, Grad Dip Arts, M A, M App Ling, M C C, M Litt.

Candidates research and write an essay on an approved topic under the supervision of an academic member of staff.

LNGS7528
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Toni Borowsky - postgraduate coordinator **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M App Ling, M C C.

Research and writing toward a dissertation of 12,000 words under the supervision of an academic member of staff.

LNGS7529
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ahmar Mahboob **Session:** Semester 1, Semester 2 **Prerequisites:** LNGS7528 **Assessment:** Completion and submission of a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M App Ling, M C C.

Completion and submission of a dissertation of 12,000 words on an approved topic, written under the supervision of an academic member of staff.

University postgraduate units of study – M

MARC4001
Studio A Urban Architecture
Architecture, Design and Planning

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six hours per week for 11 weeks **Assessment:** Attendance; lecture and tutorial participation; staged exercises; developed design including research or technical report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

Associated degrees: Grad Cert Arch (Arch Des), Grad Cert Arch Hist Theory, Grad Dip Arch (Arch Des), M Arch, M Arch (Arch & Urb Des), M Arch (Arch Des), M Arch Hist Theory, M U D (Arch Urb Des), PG Coursework Exchange.

The studio examines the nature of architecture in the urban context in terms of the internal and external parameters which act on the design process at incremental urban scales and intensities of use. The studio also examines the societal, financial, legislative and managerial framework which determines the envelope within which development may occur. The evolutionary nature of urban fabric and the historical processes acting on the urban form and on individual projects will be researched as a foundational process in the development of design projects as well as the evolving statutory environment. Each studio will require the presentation of a developed design project substantiated by a researched report defining the foundations on which the project rests.

MARC4001 Studio A Urban Architecture, MARC4002 Studio B Sustainable Architecture and MARC4003 Studio C Digital Architecture are all available in both semesters 1 and 2. Students may enrol or pre-enrol freely, but some will be asked to swap to create equal groups. After three semesters each student will have done each of the studios. The studios examine the relationships between architecture and urbanism; architecture and sustainability; and architecture and digital design. Each is based around one or more design projects which address a specialised area of study, supported by lectures and seminars which introduce the relevant theory, knowledge and design precedents. Studios undertaken in semester 1 require the submission of a technical report demonstrating in-depth investigation of key technical issues and systems, and their innovative integration in the design, with the preparation of appropriate contract documents. Studios undertaken in semester 2 require the submission of a research report demonstrating independent exploration of issues raised by the design project. On the successful completion of these units, students will have demonstrated: an ability to formulate, interpret and communicate appropriate concepts derived from the study of brief and site; an ability to extend those starting points into a working design proposal; an ability to develop the design proposal in response to critique, and produce a building design which demonstrably embodies understanding of the principles associated with the specialised study area; an ability to communicate the design ideas effectively through appropriate graphic and three-dimensional means using architectural conventions; and an ability to cohesively design and execute a comprehensive presentation of the project. These units are core to the Master of Architecture.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC4002
Studio B Sustainable Architecture
Architecture, Design and Planning

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six hours per week for 11 weeks. **Assessment:** Attendance; lecture and tutorial participation; staged exercises; developed design including research or technical report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

Associated degrees: Grad Cert Arch (Arch Des), Grad Cert Arch Hist Theory, Grad Dip Arch (Arch Des), M Arch, M Arch (Arch & Urb Des), M Arch (Arch Des), M U D (Arch Urb Des), PG Coursework Exchange.

MARC4002 Studio B Sustainable Architecture will focus on the theories, technologies and techniques that promote the creation of a sustainable built environment. The studio projects will directly explore the interdependent issues of environmental, social and economic sustainability. The studio will prompt students to develop critical positions in regard to sustainability and to extend and explore those positions through the architectural design process.

MARC4001 Studio A Urban Architecture, MARC4002 Studio B Sustainable Architecture and MARC4003 Studio C Digital Architecture are all available in both semesters 1 and 2. Students may enrol or pre-enrol freely, but some will be asked to swap to create equal groups. After three semesters each student will have done each of the studios. The studios examine the relationships between architecture and urbanism; architecture and sustainability; and architecture and digital design. Each is based around one or more design projects which address a specialised area of study, supported by lectures and seminars which introduce the relevant theory, knowledge and design precedents. Studios undertaken in semester 1 require the submission of a technical report demonstrating in-depth investigation of key technical issues and systems, and their innovative integration in the design, with the preparation of appropriate contract documents. Studios undertaken in semester 2 require the submission of a research report demonstrating independent exploration of issues raised by the design project. On the successful completion of these units, students will have demonstrated: an ability to formulate, interpret and communicate appropriate concepts derived from the study of brief and site; an ability to extend those starting points into a working design proposal; an ability to develop the design proposal in response to critique, and produce a building design which demonstrably embodies understanding of the principles associated with the specialised study area; an ability to communicate the design ideas effectively through appropriate graphic and three-dimensional means using architectural conventions; and an ability to cohesively design and execute a comprehensive presentation of the project. These units are core to the Master of Architecture.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC4003
Studio C Digital Architecture
Architecture, Design and Planning

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six hours per week for 11 weeks. **Assessment:** Attendance; lecture and tutorial participation; staged exercises; developed design including research or technical report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

Associated degrees: Grad Cert Arch (Arch Des), Grad Cert Arch Hist Theory, Grad Dip Arch (Arch Des), M Arch, M Arch (Arch & Urb Des), M Arch (Arch Des), M U D (Arch Urb Des), PG Coursework Exchange.

MARC4003 Studio C Digital Architecture explores theories, media and techniques that involve digital mediation to create engaging architectural designs that stimulate all human senses in their relationship with the built environment. The studio addresses various issues of digital media, digital design techniques, design theories,

computational concepts and other factors influencing the development of architectural production using digital tools. The studio prompts critical reflections on design conventions and creates novel design positions.

MARC4001 Studio A Urban Architecture, MARC4002 Studio B Sustainable Architecture and MARC4003 Studio C Digital Architecture are all available in both semesters 1 and 2. Students may enrol or pre-enrol freely, but some will be asked to swap to create equal groups. After three semesters each student will have done each of the studios. The studios examine the relationships between architecture and urbanism; architecture and sustainability; and architecture and digital design. Each is based around one or more design projects which address a specialised area of study, supported by lectures and seminars which introduce the relevant theory, knowledge and design precedents. Studios undertaken in semester 1 require the submission of a technical report demonstrating in-depth investigation of key technical issues and systems, and their innovative integration in the design, with the preparation of appropriate contract documents. Studios undertaken in semester 2 require the submission of a research report demonstrating independent exploration of issues raised by the design project. On the successful completion of these units, students will have demonstrated: an ability to formulate, interpret and communicate appropriate concepts derived from the study of brief and site; an ability to extend those starting points into a working design proposal; an ability to develop the design proposal in response to critique, and produce a building design which demonstrably embodies understanding of the principles associated with the specialised study area; an ability to communicate the design ideas effectively through appropriate graphic and three-dimensional means using architectural conventions; and an ability to cohesively design and execute a comprehensive presentation of the project. These units are core to the Master of Architecture.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC4101
Advanced Technologies 1
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Peter Armstrong **Session:** Semester 1 **Classes:** 6 hours per week **Corequisites:** MARC(4001 or 4002 or 4003) **Prohibitions:** ARCH4202 **Assessment:** Case study report; design technology research report - assessed in Design and Adv. Tech. 1; site visit and details report; structures quiz; services report - group; attendance of 90% for all components **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Arch, PG Coursework Exchange.

This unit aims to give students the tools to initiate and develop their design intentions in relation to structural, construction and services technologies. The knowledge will move from an understanding of the nature and impact of materiality on the architectural design process through to the implementation of this knowledge in the practice of a professional architect through design, consultation and building processes. The unit aims to examine the foundation and structural systems of large scale public buildings, the construction of the elements of the external fabric and the impact on the design process of the anthropomorphic, environmental and engineering requirements of the internal spaces. The unit of study stresses the primacy of detailing, skills in the development of individual design processes, and the understanding of design principles of construction materials in relation to structural and environmental concerns.

It also aims to develop an understanding of the impact of the BCA and relevant Australian Standards on the building interior and exterior. Knowledge required for the selection of structural strategies, structural systems and materials, for a variety of design situations, is assessed through a series of reports and an examination. This unit is core to the Master of Architecture.

MARC4102
Modern Architectural Theory
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Ross Anderson **Session:** Semester 1 **Classes:** Two hours lectures and one hour tutorial per week. **Prohibitions:** ARCH6104, ARCH9048, ARCH9049 **Assessment:** There will be three principle assignment tasks: weekly written critical summaries of reading and lecture content plus formulation of questions intended to generate group discussion, one tutorial presentation, and one competently researched and referenced 3000 word paper on an individually selected topic that will be assessed both in its proposal stage and as a finished essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arch (Arch Des), Grad Cert Arch Hist Theory, Grad Dip Arch (Arch Des), Grad Dip Arch Hist Theory, M Arch, M Arch (Arch & Urb Des), M Arch (Arch Des), M Arch Hist Theory, M U D (Arch Urb Des), PG Coursework Exchange.

The objective of the Modern Architectural Theory unit is to equip students with a critical understanding of key Western architectural theories from the Enlightenment to the present. Emphasis is placed on the specific historical situations and cultural and philosophical contexts in which those theories arose, and ultimately how they were represented within the domain of architectural embodiment. It is organized predominantly as a chronological survey which clearly identifies particular trains of thought in their continuity and transformation throughout history. Students will become generally conversant in the principles of central theories, and will understand their terms and references. Through readings, lectures, and tutorial sessions, students will acquire the literacy required to perceive and articulate contemporary theoretical standpoints, and will refine their research and writing skills through independent research into a particular aspect of recent architectural theory and history related to their concurrent studio design project. Close attention will be paid to the exchange between practice and theory and the relevance of the discussed theories to the formation of current circumstances, and to the place of architecture within contemporary culture as a whole.

MARC4201
Modern Architectural History
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Greg Castillo **Session:** Semester 2 **Classes:** Two hours lecture and one hour tutorial per week. **Prohibitions:** ARCH4102 **Assessment:** There will be three principle assignment tasks: weekly written critical summaries of reading and lecture content plus formulation of questions intended to generate group discussion, one tutorial presentation, and one competently researched and referenced 3000 word paper on an individually selected topic that will be assessed both in its proposal stage and as a finished essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arch (Arch Des), Grad Cert Arch Hist Theory, Grad Dip Arch (Arch Des), Grad Dip Arch Hist Theory, M Arch, M Arch (Arch & Urb Des), M Arch (Arch Des), M Arch Hist Theory, M U D (Arch Urb Des), PG Coursework Exchange.

This unit presents foundational knowledge concerning modern movements in global architecture and urbanism, from the early-20th century to the present. It explores the relationships between developments in architectural practice and broader dynamics of 20th century history. Organised as a chronological survey focused on case studies of individual buildings, the course uses architectural exemplars to explore the social, political, technological, economic, and aesthetic guises of modernity. In addition to developing student analytical skills, the unit seeks to introduce students to formal and conceptual approaches to architectural modernity, provide a critical overview of the architectural profession and its historical context over the last century, and impart knowledge of the major periods and developments of modern movements in architecture and their relationship to the multiple guises of modernity in which they were embedded.

Through readings and lectures, students will acquire the architectural literacy required to perceive the contemporary built environment as an artefact of modernity's varied legacies. In addition, students will be expected to refine their research and writing skills through their individual investigations of a particular aspect of modern architecture.

MARC5001
Graduation Studio

Architecture, Design and Planning

Credit points: 12 **Session:** Semester 2 **Classes:** Six hours per week for 11 weeks. **Prerequisites:** At least 24 credit points from MARC4001, MARC4002, MARC4003, ARCH4101, ARCH4201, ARCH5101 **Prohibitions:** ARCH5201 **Assessment:** Attendance; lecture and tutorial participation; staged exercises; developed design including research report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students may incur materials costs in this unit.

Associated degrees: M Arch, PG Coursework Exchange.

This is the culminating studio of the Master of Architecture degree and provides students with the opportunity to develop a complex architectural project on a theme from the preceding digital, sustainable or urban architecture studios. With permission, the theme may be of a student's own choice. The project will be supported by a comprehensive research report demonstrating independent exploration of relevant theories and issues raised during the design. This unit is core to the Master of Architecture. Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARC5101
Advanced Technologies 2
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** David Gunaratnam **Session:** Semester 2 **Classes:** 6 hours per week **Corequisites:** MARC(4001 or 4002 or 4003) **Prohibitions:** ARCH4203 **Assessment:** Case study report; design technology research report - assessed in Design and Adv. Tech. 1; site visit and details report; structures quiz; services report - group; attendance of 90% for all components **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Semester 2 for 2008 only. Semester 1 from 2009.

Associated degrees: M Arch, PG Coursework Exchange.

The unit builds on and extends the areas covered in Advanced Technologies 1. This unit similarly aims to give students the ability to realize their design intentions initially in the studio projects of the degree, to understand the nature and impact of materiality on the architectural design process; and then in subsequent practice to provide the basis for the development of technical and design skills required of a professional architect.

This unit reviews the structural development of building structures and the nature of both the building fabric and the environmental and managements systems which enable the building to function in a complex and changing urban environment. Students are expected to research alternative structural, environmental and construction systems that satisfy the aesthetic requirements of their design and to evaluate them based on clearly based criteria. Knowledge required for decision making within the structural, construction and environmental design processes are assessed both through a case study report and a technical design research report. This unit is core to the Master of Architecture.

MARC5102
Contract Documentation
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Peter Armstrong **Session:** Semester 1 **Classes:** Three hours per week. **Corequisites:** MARC(4001 or 4002 or 4003) **Prohibitions:** ARCH4103 **Assessment:** Preparation of a set of basic building contract documentation including working drawings and specifications; submission of papers, including rudimentary cost estimates, based on class work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Arch, PG Coursework Exchange.

The unit aims to provide knowledge of basic contract law and building contracts; as well as information about, and skills in, the production of working drawings, specifications and opinions of probable construction costs, as commonly prepared by an architect. On the successful completion of this unit of study, students will have demonstrated: a competent ability in the production of working drawings, specifications and cost control for the building designed during the semester studio; an ability to communicate this documentation to clients, statutory authorities, consultants, tenderers, contractors and sub-contractors etc. such that they are able to understand what is required to be built; an understanding of the significance of contract documents in contracts, the relationship between contract documents and relevant law, and the provision of a context for understanding the full examination of commonly used building contracts in the Management in Architecture unit of study; an ability in the making of working drawings and specifications, the coordination of these documents into contact documents; an understanding of the role of consultants with specific reference to cost control, and the management of the process. This unit is core to the Master of Architecture.

Contact hours: 3 hours per week. Class preparation and assessment preparation: 39 hours per semester.

MARC5201
Management in Architecture
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Peter Armstrong **Session:** Semester 2 **Classes:** Three hours per week **Prohibitions:** ARCH6201 **Assessment:** written exercises, tutorial participation, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Arch, PG Coursework Exchange.

Students are expected to demonstrate a capacity to identify specific issues and articulate methods of resolving related problems with specific reference to the links between the contacts, their administration, the architect's responsibility to the contracted parties, and how these issues can impact on the design and construction of a building project.

This unit provides information on the practice of architecture with particular emphasis on the obligations and responsibilities of architects to clients, builders, consultants and the community and to the administration of contracts commonly used in the procurement of buildings.

The unit provides instruction in: the regulation of the architectural profession; roles of consultants and their selection, engagement, coordination and responsibilities; modes of practice, conditions of engagement for architects; fee structures; meeting procedures; pre-contract management; contract selection and administration; alternative procurement methods and the relationship of these factors in completing a building project.

On the successful completion of this unit of study, students will have demonstrated: an understanding of an architect's responsibilities; an understanding of the management of architectural practices; an understanding of the manner in which architects are involved in contract administration, and commonly used procurement methods within the building industry.

This unit is core in the Bachelor of Architecture. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

MARC6202
Architecture Workshop A
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Professor Tom Heneghan **Session:** S2 Intensive **Classes:** 40 hours intensive mode **Assessment:** Design jury. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students may incur materials costs in this unit.

Associated degrees: M Arch, PG Coursework Exchange.

Through design projects offered by visiting national and international design practitioners and Faculty staff, this unit of study will provide students with the opportunity to explore a wide range of design issues and ideas in an intensive design studio environment. At the successful completion of this unit of study students will have: extended their ability to develop creative responses to a design brief or situation; extended their understanding of the theoretical, historical, cultural, environmental or technical framework of design; applied these understandings and demonstrated good architectural judgement; and communicated these ideas and understandings effectively through presentation means including drawings, models and CAD, which are assessed in a jury

context. This unit is Pass/Fail. Contact hours: 40 hours intensive. Assessment and preparation: 38 hours.

MARC6203
Architecture Workshop B
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Professor Tom Heneghan **Session:** S2 Intensive **Classes:** 40 hours intensive mode. **Assessment:** Design jury. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students may incur materials costs in this unit.

Associated degrees: M Arch, PG Coursework Exchange.

Through design projects offered by visiting national and international design practitioners and Faculty staff, this unit of study will provide students with the opportunity to explore a wide range of design issues and ideas in an intensive design studio environment. At the successful completion of this unit of study students will have: extended their ability to develop creative responses to a design brief or situation; extended their understanding of the theoretical, historical, cultural, environmental or technical framework of design; applied these understandings and demonstrated good architectural judgement; and communicated these ideas and understandings effectively through presentation means including drawings, models and CAD, which are assessed in a jury context. This unit is Pass/Fail. Contact hours: 40 hours intensive. Assessment and preparation: 38 hours.

MARC6601
Architecture Exchange Studio
Architecture, Design and Planning

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6602
Architecture History Exchange
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6603
Architecture Theory Exchange
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6604
Architecture Technology Exchange A
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6605
Architecture Technology Exchange B
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6606
Architecture Practice Exchange
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6607
Architecture Studio Workshop Exchange
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1

to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6608
Architecture Elective Exchange A
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6609
Architecture Elective Exchange B
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARC6610
Architecture Elective Exchange C
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Arch.

This unit of study is for Master of Architecture students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students in semesters 1 to 3 of the Master of Architecture. All students must complete the final semester at the University of Sydney.

Exchanges may be for one semester only. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree.

Students who wish to may go on exchange for one semester at the commencement of the degree and use this both to satisfy the 'Architectural Experience Requirement' for entry to the degree, and for credit toward the first year of the program.

Students should plan to follow the enrolment pattern prescribed for their chosen semester of exchange as closely as possible. Exchange units should be taken as part of the degree and not in addition to the degree requirements. Consideration should be given to how you will be able to complete your degree requirements when you return, paying attention to the semester of offer of the core units.

Exchange students are required to enrol in a full time load at the University of Sydney in the semester of exchange, and will incur the

tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by the University against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty Student Administration Centre.

MARF4201
Preparatory Honours Report
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Glen Hill **Session:** Semester 2 **Classes:** three hours per week for 12 weeks. **Prohibitions:** ARCF4201 **Assessment:** Development of a research question, writing a literature review, preparing a research proposal and report on results of initial research. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Annual Average Mark of at least 80 required in the last year of enrolment.

Associated degrees: M Arch, PG Coursework Exchange.

Preparatory Honours Report is the first of three units of study (the second being MARF5301 Honours Report, and the third being MARF5201 Honours Studio) necessary for the award of Master of Architecture with honours. These three units of study together allow Master of Architecture students to explore and research an area of architectural study in depth, and to use this research to inform a design project. Areas of research might include sustainability, urban design, digital media and design, architectural history, architectural theory, design science, and art in relation to architecture. The unit is intended to equip Master of Architecture students with the research skills necessary to articulate a research question, review relevant literature, develop a research proposal, and, with individual supervision, carry out preparatory exploration of their subject area, as the basis for undertaking an honours report in which students pursue and present the outcomes of their individual research. As part of the unit, students will be required to develop a research question, prepare a review of the literature relating to their research question, prepare a research proposal and report on their initial exploration of their chosen topic. This is a Master of Architecture elective unit (necessary for honours consideration).

Contact hours: 3 hours per week for 12 weeks. Class preparation: 3 hours per week. Assessment preparation: 60 hours per semester.

MARF5201
Honours Studio
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Glen Hill **Session:** Semester 2 **Classes:** Six hours per week for 11 weeks. **Prerequisites:** MARF4201 with grade at least Distinction **Corequisites:** MARF5301 **Prohibitions:** MARC5201 **Assessment:** Attendance; lecture and tutorial participation; staged exercises; developed design including research report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: To qualify for honours in the MArch students must achieve a WAM of at least 80 in all units attempted and at least 75 in each honours unit.

Associated degrees: M Arch, PG Coursework Exchange.

Honours Studio is the third of three units of study necessary for the award of Master of Architecture with honours. For those students aiming to obtain an honours degree, it replaces MARC5201 Graduation Studio as the culminating studio of the degree.

In this unit of study students are required to interrogate the research questions raised in their Honours Report through the development of a design project. The studio project and an exegesis of the design, reflecting on and drawing together the explorations of the Honours Report and the Studio work, will be presented and critiqued alongside the work of the other honours students in a one-day public forum.

On the successful completion of this unit, students will have demonstrated: an ability to develop a design project arising out of, and grounded in, their own research; an ability to undertake a design project that incorporates all technical and theoretical aspects appropriate to that project; an ability to communicate and present the design ideas together with the theoretical ground for those design ideas using appropriate graphic, written, and verbal presentation techniques.

Contact hours: 6 hours per week for 11 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

MARF5301
Honours Report
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Glen Hill **Session:** Semester 1, Semester 2 **Classes:** Half hour per week with supervisor. **Prerequisites:** MARF4201 with grade at least Distinction. **Prohibitions:** ARCF5301 **Assessment:** Dissertation; Dissertation developed through design project; art project presented with supporting text or other by formal agreement. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: To qualify for honours in the MArch students must achieve a WAM of at least 80 in all units attempted and at least 75 in each honours unit.

Associated degrees: M Arch, PG Coursework Exchange.

The Honours Report is the second of three units of study (the others being MARF4201 Preparatory Honours Report and MARF5201 Honours Studio) necessary for the award of Master of Architecture with honours. The unit allows Master of Architecture students to explore and research an area of architectural study in depth. Areas of research might include sustainability, urban design, digital media and design, architectural history, architectural theory, design science, and art in relation to architecture. The research may be developed through MARF5201 Honours Studio such that the design project forms part of the honours submission. Building upon the initial topic exploration undertaken in the preparatory honours report, the unit facilitates students completing their research under the direction of their individual supervisor. The outcome of the research is presented for assessment in a form appropriate to the research topic (which might include, but not be limited to, a short dissertation, or a design or art project presented with supporting text.)

Contact hours: 0.5 hours per week with individual supervisor. Assessment preparation: 10 hours per week.

MARS5002
Coastal Zone Management
Science

Credit points: 6 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a compulsory unit for all levels of the Applied Science (Coastal Management) program

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci), PG Coursework Exchange.

This unit explores various approaches to coastal zone management with an emphasis on the mamagement process adopted in NSW. Students will explore a range of coastal management issues such as beach erosion, water quality, habitat conservation and climate change and discuss various policies and planning approaches to address these issues. The practicals, tutorials and field excursions will introduce students to a range of coastal zone issues and management responses with in the Sydney area.

MARS5003
Beach Management
Science

Credit points: 6 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a compulsory unit for all levels of the Applied Science (Coastal Management) program

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci).

This unit of study focuses on the fundamental issues, strategies and infrastructure involved in the management of urban, rural and resort beach environments. At present, the concept and application of beach management is poorly defined. The goal of this unit of study is to

provide an integrated and comprehensive template for beach management covering a range of issues such as beach hazard recognition and assessment, public safety and awareness, patterns of public beach usage, and the planning and undertaking of major events. Specific topics covered include hazardous wave and surf conditions, rip currents, lifeguarding, beach capacity, demographics of beach users, beach infrastructure, beach auditing, surf carnivals, sporting events and concerts. The unit will use lectures, real-world scenarios, case studies and field exercises to enable students to develop beach management plans appropriate to their backgrounds.

MARS5004
Coastal Management Field School
Science

Credit points: 6 **Session:** Semester 2 **Corequisites:** MARS5001, MARS5002, MARS5003 and GEOG5001 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Coastal Mgt).

The field school will be based around visits to a series of coastal sites along the NSW coast. The unit will include a series of introductory lectures followed by visits to the sites where both unit staff and local coastal managers and stakeholders will address the students on the nature of the site, its historical development and contemporary coastal management issues and solutions. Sites will be selected to the representative of both the range of coastal systems present along the NSW coast, as well as the range of management issues presented by the sites.

MARS5006
Coral Reefs, Science and Management
Medicine

Credit points: 6 **Session:** Semester 1 **Classes:** University base delivery: Prefield trip Tutorial (1 hr), On-line exercises (2 hr) Field based delivery: Lectures (11 x 1 hr), Seminars (4 x 1 hr), Tutorials - individual consultations to develop concepts in research (2 x 1 hr), Independent Research an **Assessment:** Written assignments: essay and project report; oral presentations; seminar and lecture participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Field Experience

Note: Department permission required for enrolment.

Associated degrees: Grad Cert App Sc (Coastal Mgt), Grad Cert App Sc (Enviro Sci).

This unit provides an in - depth overview of the key biological and non-biological processes that make up coral reef ecosystems. There is a focus on the biogeographic, oceanographic and physiological processes underlying the integrity of global tropical reef systems. The Great Barrier Reef is used as a case study to explore emerging concepts on the influence of natural and anthropogenic processes on the integrity of global reef and lagoon systems. Learning activities will include a series of background lectures and research seminars and tutorials in the development of a major research project. A major aspect of this unit is an independent research project conducted under the supervision of the course instructors. The unit concludes with a series of oral presentations based on student research. Assessment tasks will consist of two essays and a research project report and presentation. The curriculum in this unit is based on current research and a course book will be provided. This is a field intensive course held at One Tree Island Research Station or Heron Island Research Station. The course is ex-Gladstone Queensland and students are expected to make their own way there. This unit will be run over 8 days and there will be an additional course fee for food and accommodation, expected to be $600.

MATH4421
Mathematical Foundations for Finance
Science

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures/tutorials : 3 hrs per week in total **Assessment:** 60% from final exam, 40% from assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Inf Tech, PG Coursework Exchange, Science PG Non-Degree.

Review of ODEs; Partial differentiation, multi-variate Taylor's theorem, multi-variate optimisation using Lagrange parameters; Review of PDEs; general methods for linear PDEs diffusion/heat equation, Green functions, the role of boundary conditions, Dirac delta function; Review of probability: discrete and continuous distributions, expectation; mean, variance and covariance; the normal distribution; basic properties, central limit theorem, log-normal distribution, bivariate normal distribution, Gaussian Shift Theorem; Random walks, Brownian motion, diffusion, Geometric Brownian motion, Martingales; Introduction to SDEs; basic rules of Ito calculus; Feynman-Kac formula; Financial relevance of SDE, First Fundamental Theorem of Asset Pricing, derivation of Black-Scholes option pricing formula

MATH4431
Advanced Option Pricing
Science

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures/tutorials : 3 hours per week in total. **Assumed knowledge:** BSc in mathematics or equivalent, and familiarity with financial concepts such as arbitrage, options, and the basics of Black-Scholes option-pricing methodology. **Assessment:** 60% from final exam, 40% from two assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Sc (Hons), Grad Dip Sc, PG Coursework Exchange, Science PG Non-Degree.

An important and large part of modern quantitative finance is concerned with the valuation of derivative securities including not only vanilla calls and puts but also the vast family of exotic options. The latter includes barrier options, lookback options, compound options, American options, Asian options, rainbow options, credit derivatives and many others.

This unit develops a none-too-technical mathematical framework for obtaining the fair or arbitrage-free prices of such derivative securities. This framework includes the two main approaches in popular use: the risk-neutral expectations method and the corresponding PDE method. Students will be introduced to the necessary stochastic calculus methods that underlie both approaches. Some computational methods employed in industry will also be discussed.

While a good understanding of mathematical statistics and PDE's would be an advantage, the unit assumes neither. Thus students and practitioners with strong analytical skills will still benefit from this unit, considered by some as the most advanced academic program of its kind in the country.

MATH4433
Interest Rate Modelling
Science

Credit points: 6 **Session:** Semester 2 **Classes:** Lectures/tutorials : 3 hours per week in total. **Assumed knowledge:** BSc in mathematics or equivalent, and familiarity with financial concepts such as arbitrage, options, and the basics of Black-Scholes option-pricing methodology, as well as the essentials of the stochastic calculus, and familiarity with mathematical computing **Assessment:** 60% from final exam, 40% from two assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Sc (Hons), Grad Dip Sc, PG Coursework Exchange, Science PG Non-Degree.

Interest rate derivatives such as forwards, bond options, swaps, swaptions, caps and floors are extensively traded in financial markets around the world. Consequently, the modelling of interest rates and the pricing of interest rate derivatives are matters of considerable importance in the finance industry.

This unit will begin with a review of riskless term-structure models, and then introduce various stochastic spot-rate and yield curve models, including those of Merton, Vasicek, Cox-Ingersoll-Ross, Ho-Lee, Hull-White, Black-Derman-Toy, and Black-Karacynsky. The final part of the course will be on forward rate models of the kind arising in the Heath-Jarrow-Morton framework, and including the so-called "market models" (such as that of Brace-Gatarek-Musiela). Recurring themes will be the central risk-neutral measure and the forward measure, and their roles in the pricing of forwards, swaps, caps, bond options, caps and floors.

Some familiarity with stochastic calculus and its relevance to the derivative pricing is assumed, although a brief review of this material will be included. A degree of familiarity with MATLAB is also highly desirable, as one of the assignments will involve some computational work.

MCAE5011
Photomedia 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Photomedia provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5012
Photomedia 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Photomedia provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5021
Digital Imagery 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit point postgraduate coursework elective unit in Digital Imagery provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal, in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5022
Digital Imagery 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit point postgraduate coursework elective unit in Digital Imagery provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal, in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5031
Printmedia 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Printmedia provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks

Refer to Studio Reading List.

MCAE5032
Printmedia 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Printmedia provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5041
Painting 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Painting provides a studio-based approach to the production of creative work. At the beginning of each semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List.

MCAE5042
Painting 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Painting provides a studio-based approach to the production of creative work. At the beginning of each semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5051
Ceramics 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Ceramics provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5052
Ceramics 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Ceramics provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5061
Sculpture 1

Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Sculpture provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester. The aim of this unit is to introduce to students and to develop critical, conceptual and technical skills in Sculpture.

Textbooks
Refer to Studio Reading List

MCAE5062
Sculpture 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Sculpture provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester. The aim of this unit is to introduce to students and to develop critical, conceptual and technical skills in Sculpture.

Textbooks
Refer to Studio Reading List

MCAE5071
Glass 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Glass provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester. The aim of this unit is to introduce to students and to develop critical, conceptual and technical skills in Glass.

Textbooks
Refer to Studio Reading List

MCAE5072
Glass 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Glass provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester. The aim of this unit is to introduce to students and to develop critical, conceptual and technical skills in Glass.

Textbooks
Refer to Studio Reading List

MCAE5081
Film and Digital Art 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Film and Digital Art provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester. The aim of this unit is to introduce to students and to develop critical, conceptual and technical skills in Film and Digital Art.

Textbooks
Refer Studio Reading List

MCAE5082
Film and Digital Art 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 Hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Film and Digital Art provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester. The aim of this unit is to introduce to students and to develop critical, conceptual and technical skills in Film and Digital Art.

Textbooks
Refer Studio Reading List

MCAE5091
Jewellery and Object 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Jewellery and Object provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAE5092
Jewellery and Object 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week, plus 3 hours outside of class per week **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from self-directed and/or assigned projects emanating from the program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This 6-credit-point postgraduate coursework elective unit in Jewellery and Object provides a studio-based approach to the production of creative work. At the beginning of the semester students will follow either a project-based curriculum, or develop an individual work proposal in consultation with an academic staff member. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual, creative and technical aspects of a student's elective work. The elective provides for the development and enhancement of critical skills through individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects and/or individual work. Students are expected to produce a body of work for review at regular intervals during the semester.

Textbooks
Refer to Studio Reading List

MCAN5005
Introductory Microscopy & Microanalysis
Science

Credit points: 6 **Teacher/Coordinator:** Dr. Lilian Soon **Session:** Semester 1, Semester 2 **Classes:** Nine hour lectures, nine hour practicals, three hour tutorials (3 sessions). **Assessment:** Two reports/portfolios of images from light microscopy and demonstrations (80%). Practical assessment: two reports/portfolios of images from light microscopy and demonstrations (80%). Practical exercises (10%), attendance and participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

The unit provides an introduction to the fundamental principles of optics and the related principles of spectroscopy that are commonly used in microscopy and microanalysis. Students are introduced to a variety of imaging and analysis techniques and their role in both biotechnology and the technology of materials, as relevant to laboratory-professionals and researchers. An emphasis on light-optical microscopy and related imaging modes is developed.

MCAN5006
Electron Microscopy
Science

Credit points: 6 **Teacher/Coordinator:** Prof. Simon Ringer and (non-academic) Dr Tim Petersen **Session:** Semester 1, Semester 2 **Classes:** Eight groups(two people per group; can vary) of 4 one hour, 25 minutes lectures, 4 one hour lectures, 4 two hour practicals (TEMs), 4 one hour practical (SEM), forty minute tutorial, forty five minute practical demonstration. **Assessment:** Practical, analytical exercises in a written report including an annotated image portfolio (30-40 pages with ½ page sized images). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

Trains participants, with no prior knowledge of electron microscopy, to become operators of scanning and transmission electron microscopes. Participants are given theoretical and practical understanding of the operation and construction of the microscope and how to obtain the optimum performance from it in routine operation.

MCAN5101
Confocal & Fluorescence Microscopy
Science

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Filip Braet **Session:** Semester 1, Semester 2 **Classes:** 8 one hour lectures, thirty hour practicals (5 sessions). **Prerequisites:** MCAN 5005. **Assessment:** 60% portfolio, 30% exercises, 10% attendance and participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

Introduces the general principles of confocal microscopy and training in the use of the confocal microscope. It covers the theory behind confocal microscopy, the instrumentation and its applications. Develops knowledge and skills in specimen preparation for biological and medical applications of optical and confocal microscopes - immunochemistry, cell loading, GFP.

MCAN5102
Biological Specimen Preparation

Science

Credit points: 6 **Teacher/Coordinator:** Dr Lilian Soon and Dr Allan S. Jones **Session:** Semester 1, Semester 2 **Classes:** Electron microscopy section: 6 lectures, twenty three hours of practicals (13 sessions), one hour discussion, over one week. Light microscopy section: 2 one hour lectures, 4 three hour practicals, over one week. **Prerequisites:** MCAN5005 **Assessment:** Practical sessions assessed on basis of participation and competence. Electron microscopy section requires a report containing a portfolio of images of at least 2500 words (60%) and submission of 2-4 prepared specimens. Light microscopy requires submission of four individual specimens for assessment with an accompanying report on each (about 1500 words). A major written assignment of at least 2500 words (includes library search tasks). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

Develops knowledge and skills in the fundamentals of specimen preparation for light microscopy. Techniques covered will include tissue processing for paraffin microtomy and an introduction to histochemical staining methods. In addition this unit will present the theory and practical skills of routine specimen preparation techniques used for electron microscopy in the biological sciences including fixing, embedding, sectioning, drying, coating and staining techniques. An introduction to cryotechniques and immuno methodologies is included.

MCAN5103
Materials Preparation and Microscopy
Science

Credit points: 6 **Teacher/Coordinator:** Prof. Simon Ringer, Dr. Tim Petersen **Session:** Semester 1, Semester 2 **Classes:** 3 thirty minute lectures, 3 five and a half hour laboratory practicals, 1 three and a half hour demonstrations. **Assessment:** Flat polished SEM specimen brass (20%), TEM specimen of Al or steel using electropolishing (20%), TEM cross-sectional specimen of a Si based devices using tripod polishing (30%), Quiz (20%), Materials preparation log (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal), M E S (New Mat Tech).

Gives practical training in the preparation of specimens for electron microscopy from a wide range of materials, including: metals, semiconductors, powders, ceramics and polymers. A comprehensive range of preparation techniques will be covered, including: electropolishing, tripod polishing, ion milling, dimple grinding, ultramicrotomy, cleavage and focused ion beam (FIB). Aspects of transmission electron microscopy specific to inorganic materials, such as crystallography, diffraction patterns and diffraction contrast will be introduced.

MCAN5104
Image Analysis
Science

Credit points: 6 **Teacher/Coordinator:** Dr Allan S. Jones **Session:** Semester 1, Semester 2 **Classes:** 10 one hour lectures, 10 two hour practicals over a one week period. **Assessment:** Eight practical reports (50%), 1 three part mathematical assignment (20%), 1 in-depth assignment of 2500 word length on a relevant topic (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

This unit of study covers the nature and processing of images and the extraction of quantitative data from them. Participants will develop a sound working knowledge of both traditional stereology techniques and modern digital image processing and analysis. Emphasis is placed on an understanding of both the strengths and the limitations that are inherent in image data, and the technology applied to it. Topics in this module include: a general review of image acquisition, filters and transforms, segmentation methods, calibration of hardware for analysis, extraction of simple features from images, advanced feature extraction from images, limitations of measurement and a general overview of stereology, including geometric probability, density estimation and sampling.

MCAN5110
Nanostructural Analysis of Materials

Science

Credit points: 6 **Teacher/Coordinator:** Prof. Simon Ringer, Dr Zongwen Liu **Session:** Semester 1, Semester 2 **Classes:** 8 one hour lectures, twenty hours of practicals, two hours of tutorials. **Assumed knowledge:** MCAN5005 or equivalent **Assessment:** Written report including portfolio of images, at least 3000 words (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

This unit provides students with knowledge and training so that they may explore the relationships between the structure and properties of materials. The unit covers the principles and practice of materials characterisation with an emphasis on techniques for the quantitative determination of the nanoscale structure and chemistry of materials. Topics include diffraction, contrast theory in transmission electron microscopy, analytical electron microscopy, other X-ray, ion beam and scanned probe methodologies.

MCAN5111
Microscopy of Biomolecular Processes
Science

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Filip Braet **Session:** Semester 2 **Classes:** 11 lectures and twenty four hours of practicals. **Assumed knowledge:** MCAN5101 or MCAN5102 or equivalent **Assessment:** Assignments (90%), class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

This unit covers the principles and practice of advanced microscopy techniques for probing cellular and biomolecular processes. It will cover techniques to investigate cellular processes at the molecular and protein level including, intracellular signalling, uptake and metabolism of drugs/carcinogens/exogenous material and localisation of enzymes/proteins associated with cells. Topics may include: advanced confocal microscopy, immunolabelling and associated cryo-procedures for EM, micro and nano-analytical procedures for biological applications.

MCAN5112
Advances in Modern Microscopy
Science

Credit points: 6 **Teacher/Coordinator:** Dr Allan S Jones, A/Prof. Filip Braet, Dr Lilian Soon and others. **Session:** Semester 1, Semester 2 **Classes:** 12 one hour lectures, 2-4 one hour tutorials, 12 two hour practicals over a two week period. **Assessment:** Six practical reports, two to four tutorial reports, two major assignments of approximately 2500 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

This unit provides students with knowledge of and training in the application of the very latest advances in microscopy techniques and technologies. Students will examine in detail advances that are occurring in several areas of current microscopy practice and obtain knowledge of both the specific operational characteristics and the associated theory of newly developed instruments. Course content will maintain a focus on cutting-edge techniques that reflect the dynamic advances occurring in microscopy technologies.

MCAN5201
Project and Report A
Science

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Filip Braet, Dr Allan Jones, Dr Lilian Soon **Session:** Semester 1, Semester 2 **Classes:** At least forty five hours devoted to a research project. **Assessment:** Continuing unit (see MCAN 5205 for assessment details). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Microsc & Micronal).

Gives students the opportunity to extend the practical work encountered in other modules, and gain skills in carrying out and writing up a research project. Students will choose topics in consultation with members of academic staff and complete project work under supervision. Students also need to enrol in MCAN5202.

MCAN5202
Project and Report B
Science

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Filip Braet, Dr Alan Jones, Dr Lilian Soon **Session:** Semester 1, Semester 2 **Classes:** At least forty five hours devoted to a research project. **Corequisites:** MCAN5201 **Assessment:** Written report (70%) and a oral presentation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Microsc & Micronal).

See MCAN5201.

MCAN5203
Project and Report Part C
Science

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Filip Braet, Dr Allan Jones, Dr Lilian Soon **Session:** Semester 1, Semester 2 **Classes:** Research project. **Corequisites:** MCAN5201 Project and Report A MCAN5202 Project and Report B MCAN5210 Research Methodology **Assessment:** Oral presentation (20%), problem solving task (20%), written report in the form of a journal publication (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Research path only

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

This unit of study is an extension of Project and Report A and B and is only for those students approved for the Research path. Students will further extend their research, as well as formulating a literature review and a research plan and incorporating referee's comments into the final report. Students also need to enrol in or have completed MCAN5201, MCAN5202 and MCAN5210.

MCAN5210
Research Methodology
Science

Credit points: 6 **Teacher/Coordinator:** Dr Lilian Soon and Dr July Cairney **Session:** Semester 2 **Classes:** Thirteen hours of lectures, one hour student presentation, four hours of tutorials/practicals. **Assessment:** Risk assessment (10%), written research proposal (30%), written experimental plan (30%), worked exercises in data analysis (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Core for research path, optional for Masters

Associated degrees: Grad Cert App Sc (Microsc & Micronal), Grad Dip App Sc (Microsc & Micronal).

This unit covers the principles and practice of research methodology. Topics included: literature and database searches; citing and referencing; research proposals; safety, risk assessment and ethics; experimental design and documentation; statistics, errors and data analysis; and written and oral communication.

MCGY5000
Introduction to Research Methods
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Dr K. Nelson **Session:** Semester 1, Semester 2 **Classes:** 2hr sem/wk **Assessment:** Assignments including bibliographic assignment and project proposal; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), M Mus (Performance).

Provides students with the knowledge and practical skills necessary to undertake research into virtually any aspect of the musical repertoire, and to present the results of this research in a succinct and coherent manner. Basic elements of the unit include the use of library resources, bibliographical method, and consideration of scholarly criteria for the presentation of reports, essays and papers. For further information contact Dr K. Nelson (Musicology).

MCGY5001
Music Analysis Today
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** Dr P McCallum **Session:** Semester 2 **Classes:** One 1hr lec/seminar/wk **Assessment:** 2500-3000w essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance).

Consolidates previously acquired analytic skills and makes the student aware of recent developments in music theory and analysis applicable to music since 1650, with particular emphasis on 19th and early 20th century music. The basic approach is discursive rather than dictatorial, and students are required to discuss and criticise the analytic methods dealt with in the seminar. The precise contents of the unit are subject to revision in the light of recent research but typical subjects might include the analysis of composers' sketches from Beethoven to Webern; the limits and limitations of layer analysis after Schenker; the application of the Golden Section in formal analysis; Allen Forte's criteria for the analysis of atonal music; analysis and cultural studies. Students taking Principal Study in Jazz examine analytic methodologies appropriate to research in Jazz. For further information contact Associate Professor P. McCallum (Musicology).

MCGY5002
Seminar Elective 1
Sydney Conservatorium of Music

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** One 1hr seminar/wk **Assessment:** Assessment normally includes written work and seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance).

Students will take a postgraduate seminar, normally drawn from existing postgraduate units within the Master of Music (Musicology), (Composition) and (Music Education) strands. Subject to approval, units in other faculties may also be taken. For further information contact Dr K. Nelson. Jazz Performance students take Jazz Analysis and Transcription - a discussion and application of techniques for analysing the form, rhythm, harmony and style of jazz solos and compositions to better understand the complex symbiosis of the intellectual and intuitive processes of jazz improvisation and the presentation of same in a publishable format. For further information contact C.Scott (Jazz).

MCGY5011
Musical Analysis
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Associate Professor P. McCallum **Session:** Semester 2 **Classes:** 2hr seminar /wk **Assessment:** Portfolio (40%) and survey article (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

The course aims to survey current methodologies and issues in music analysis to a level relevant to the contemporary scholar, and to develop expertise in analytical methodologies relevant to the student's area of research expertise. It is assumed that students will have at least an introductory knowledge of current methodologies such as Schenkerian analysis, set theory and a sound understanding of traditional approaches to form. The unit extends and deepens this knowledge with an emphasis on both critical discussion and on developing analytical skills. Topics studied include: aspects of Schenkerian theory, semiotic approaches to music, issues in the analysis of atonal music, a historical survey of approaches to the analysis of music, modernist analysis and "new" musicology, and analysis and the creative process. For further information contact Associate Professor P. McCallum.

MCGY5012
Seminar 1
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** 2 hr seminar/week **Assessment:** The assessment relates to the specific topic undertaken and may include: reading assignments, seminar report and/or presentation,3000-4000 word paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

Seminar topics vary according to staff availability. Examples of possible topics include Historical Performance Practice, Palaeography and

Source Studies,Sketch Studies, and Aboriginal Music. Subject to approval candidates also have the option of choosing a seminar offered as part of another Master of Music by research program at the Conservatorium, or a postgraduate seminar from another faculty. For further information, please contact the Chair (Musicology).

MCGY5013
Seminar 2
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** 2 hr seminar/week **Prerequisites:** MCGY5012 **Assessment:** The assessment relates to the specific topic undertaken and may include: reading assignments, seminar report and/or presentation, 3000-4000 word paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

Seminar topics vary according to staff availability. Examples of possible topics include Historical Performance Practice, Palaeography and Source Studies,Sketch Studies, and Aboriginal Music. Subject to approval candidates also have the option of choosing a seminar offered as part of another Master of Music by research program at the Conservatorium, or a postgraduate seminar from another faculty. For further information, please contact the Chair (Musicology).

MCGY5015
Musicological Research Methods
Sydney Conservatorium of Music

Credit points: 16 **Session:** Semester 1, Semester 2 **Classes:** 2hr seminar or as directed plus attendance at Musicology Research Workshop. **Assessment:** Assignments including bibliographic essay and written research proposal; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

This unit addresses the methodological basis for research in western historical musicology and therefore provides fundamental training necessary for the preparation of a thesis and other research projects. The final assignment of the semester is the written research proposal which may represent the first stage of research for the candidate's thesis. Topics to be covered include information searching, types of information and access to these, survey and assessment of literature, preparation of a bibliography and bibliographic essay, research topic selection and definition, writing and referencing skills, and preparation of a research proposal. For further information contact Dr K. Nelson (Musicology).

Textbooks
Turabian K.L. A Manual for Writers of Term Papers, Theses and Dissertations. 6th ed. Chicago, 1996
Booth, W.C. et al. The Craft of Research. 2nd ed. Chicago, 2003.

MCGY5016
Musicology Thesis 1
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** 1hr tuition/wk plus attendance at Musicology Research Workshop **Prerequisites:** MCGY5010 or MCGY5015 Musicological Research Methods, and MCGY5012 Seminar 1 **Assessment:** Regular progress reports; submission of written material as required by supervisor. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

Students work on individual research topics under the guidance of a supervisor. Regular attendance at Musicology Research Workshop at which students report on progress of research is a requirement.

MCGY6000
Seminar Elective 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1 hr seminar/wk **Assessment:** Assessment normally includes written work and seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance).

Students will take a postgraduate seminar, normally drawn from existing postgraduate units within the Master of Music (Musicology), (Composition) and (Music Education) strands. Subject to approval, units in other faculties may also be taken. For further information contact Dr K. Nelson. Jazz Performance students take Jazz History and Analysis - students learn to consolidate the techniques involved in doing new research in jazz performance. In addition, the transcriptions and analysis completed are intended to help the student to develop a greater depth of understanding of their own creative processes. For further information contact C.Scott (Jazz Studies).

MCGY6001
Performance Thesis 1
Sydney Conservatorium of Music

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** half-hour supervision/wk **Prerequisites:** MCGY5000 or MCGY5014 **Assessment:** Written work, work-in-progress reporting as required by supervisor. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance), PG Coursework Exchange.

Students work on the first stages of the performance thesis under the guidance of a supervisor. By the end of the semester students are expected to have completed a written literature review (where relevant), and be working and writing on other aspects of the project. If necessary, a research proposal will be completed by mid-semester. For further information, contact Dr K Nelson (Musicology). Jazz Performance students may have different requirements. For information contact C. Scott (Jazz Studies).

MCGY6002
Performance Thesis 2
Sydney Conservatorium of Music

Credit points: 8 **Session:** Semester 1, Semester 2 **Classes:** half-hour supervision/wk **Prerequisites:** MCGY6001 Performance Thesis 1 **Assessment:** 10,000 - 15,000w essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance), PG Coursework Exchange.

During this semester the student will complete and submit the Performance Thesis under the guidance of a supervisor. For further information contact Dr K. Nelson (Musicology) or C.Scott (Jazz Studies).

MCGY6005
Musicology Thesis 2
Sydney Conservatorium of Music

Credit points: 24 **Teacher/Coordinator:** Dr. K. Nelson **Session:** Semester 1, Semester 2 **Classes:** 1hr supervision/wk and attendance at Musicology Research Workshop **Prerequisites:** MCGY5016 Musicology Thesis 1, MCGY5011 Musical Analysis **Assessment:** Regular progress reports including a report or paper at Musicology Research Workshop; written documentation as required by supervisor. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

Each student works on his/her own research under the guidance of a supervisor. Presentation of a report or paper on the research at Musicology Research Workshop is a requirement of this unit. These seminars give students the opportunity to discuss their research with their peers and staff members.

MCGY6006
Musicology Thesis 3
Sydney Conservatorium of Music

Credit points: 24 **Teacher/Coordinator:** Dr. K. Nelson **Session:** Semester 1, Semester 2 **Classes:** 1hr supervision/wk plus attendance at Musicology Research Workshop **Prerequisites:** MCGY6005 Musicology Thesis 2 **Assessment:** 40,000 word thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Musicology), PG Coursework Exchange.

In this unit the student completes and submits the thesis. Presentation of a report or paper on the research at Musicology Research Workshop is a requirement of this unit. These seminars give students the

opportunity to discuss their research with their peers and staff members.

MDED5001
Teaching and Learning in Medicine
Medicine

Credit points: 6 **Teacher/Coordinator:** Ms Sarah Hyde **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 1x8000word project (100%) plus various formative assessments throughout the unit of study **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit aims to develop a broad understanding of principles which underpin current teaching and learning practices in medical education. The unit is designed at an introductory level, to encourage participants to explore key ideas from theoretical and research literature in the context of their current teaching practice in medicine. The unit lays important foundations for more detailed investigation in other units of study.

Modules within this unit of study will focus on the principles and practices of: teaching and learning in medical settings - focus on conceptions and approaches to teaching and learning; the learning context- focus on the differing needs of learners in undergraduate, postgraduate and continuing education including small and large group learning; curriculum design - promoting constructive alignment in program design; assessment of competence and performance and evaluation. of educational programs in health and medicine.

By the end of this unit, students will be able to: effectively communicate ideas about improvement of teaching practice using current theories of student learning in higher education; show how to implement the concept of 'constructive alignment' in curriculum development; predict the effects of proposed educational changes on student learning outcomes; apply evidence in developing proposals for educational change; engage in collaborative learning; critically reflect on personal learning and teaching practices.

Textbooks
Biggs, J. (2003). Teaching for Quality Learning at University. (2nd ed.). Buckingham: Society for Research in Higher Education and the Open University Press.

MDED5002
Scholarship of Teaching in Medicine
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Rola Ajjawi **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 2 projects, 8000 words in total (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit aims for the development by students of a deeper understanding of the nature of evidence in health professional education, and the use of this evidence to inform course design, implementation, assessment and/or evaluation.

The contents of this unit include: best evidence medical education (BEME); literature searching and using Endnote; an introduction to the use of qualitative and quantitative research methods; identifying research questions and developing a proposal for a small-scale quantitative and/or qualitative research project which is related to the improvement of teaching and learning practice/s in medical education; writing a literature review and a research proposal in the form of an Ethics Application; applying knowledge of current research in health professional education in planning for innovation in teaching/learning practice/s.

MDED5003
Educational Development and Evaluation
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Tim Shaw **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** Online discussion and tasks (10%), 1x2000word essay (30%), 1xpresentation (10%) and 1x4000 word project (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit builds on module E in MDED5001 by developing understanding of individual evaluative practice and approaches to program evaluation. The key focus of this unit is on reflective thinking and evaluative practice. This unit will provide students with skills to conduct their own evaluation and inquiry projects. The unit aims to develop scholarship and lifelong learning graduate attributes through promoting growth of skills in reflection, inquiry and communication. This unit of study aims to develop a better understanding of how reflective and evaluative practice can improve individual teaching and educational programs.

By the end of this unit of study students will be able to: compare strategies for reflecting on teaching and students' learning experiences; apply examples of evaluation methods to developing a plan for evaluating a program; compare forms of evaluation and explain the role of forms of evaluation in educational development.

Textbooks
Ramsden, P. 2003. Learning to teach in higher education, RoutledgeFalmer, London.

MDED5004
Independent Studies A
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jill Thistlethwaite **Session:** Semester 1, Semester 2 **Classes:** Face-to-face: 1x3hr evening class (several times during the semester) plus scheduled supervisory meetings. Alternatively this unit may by undertaken fully online, with online supervision. **Prerequisites:** MDED5001 and MDED5002 **Assessment:** Assessment for Independent Studies A will be a 6000-8000 word project, or its equivalent; whereas combining Independent Studies A and B will require a 10,000-14,000 word project, or its equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Department permission required for enrolment. Note: Students negotiate with a Centre for Innovation in Health Professional Education and Research staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

Please note that it is not advisable to begin an Independent Study early in your program. We advise you to wait until you have completed four other units of study including the two core units and from 2009 MDED5011 will also be a prerequisite. Approval for independent studies must be sought from the program coordinator.

Candidates may contract to undertake independent studies in a particular field of educational interest or to undertake independent research. Students undertaking a research project will have appropriate supervision by academic staff in the Centre for Innovation in Health Professional Education and Research and many have co-supervision within the actual research setting.

The project is negotiated with your supervisor and based on a written Learning Contract. The project can be undertaken for one semester (6 credit points - Independent Studies A) or two semesters (12 credit points - A and B) in negotiation with your supervisor. The choice of project is yours and you are encouraged to select a topic that is directly relevant to your own work setting. As part of the Independent Study you will develop your own learning outcomes.

Independent Study projects designed and undertaken by students in previous years include: Project Title - A framework for reflection on

teaching: Combining teaching philosophy, reflective tools and insights from implementing a unit of study; Project Title - A Pilot Study of In-Training Assessment in Rheumatology Advanced Training; Project Title - Teaching Professionalism to Junior Medical Staff; Project Title - Teaching Clinical Reasoning to Medical Registrars.

Descriptions of these and further projects are available from our website at www.medicaleducation.med.usyd.edu.au.

MDED5005
Independent Studies B
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jill Thistlethwaite **Session:** Semester 1, Semester 2 **Classes:** Face-to-face: 1x3hr evening class (several times during the semester) plus scheduled supervisory meetings. Alternatively this unit may by undertaken fully online, with online supervision (approximately every fortnight). **Prerequisites:** MDED5001 and MDED5002 **Assessment:** Combined project with MDED5004 Independent Studies A 10,000-14,000 words, or its equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Note: Department permission required for enrolment. Note: Students negotiate with a Centre for Innovation in Health Professional Education and Research staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip H Pol, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

Please refer to MDED5004 Independent Studies A for a description of this unit of study.

Please note that as from 2009, MDED5011 will also be a prerequisite.

MDED5006
Facilitating Clinical Learning
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jill Thistlethwaite **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week.This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partici **Assessment:** 3xwritten assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit aims to explore, discuss and critically appraise perspectives on, and practices in, clinical learning settings and to apply these understandings and knowledge to the development of an initiative to improve clinical learning. Participants will explore what and how students learn in the clinical context; and the challenges of learning and teaching in a work environment. Participants will define a particular problem for learning and/or teaching from their own context and review the literature (theory and research) to develop an educational intervention to address this issue. The development of student professionalism is another curricular theme in this unit of study.

By the end of this unit, students will demonstrate ability to: explain the principles of one of the main theories that underpin current understanding and conceptualization of learning and teaching in a clinical environment; identify the common challenges of preparing clinicians for complex practice and some of the distinctive, curricula, pedagogical and assessment practices that have been developed to meet these challenges; frame questions related to student learning in your clinical environment for research; analyse and evaluate appropriate literature in relation to a specific area of investigation of learning in a clinical environment; apply knowledge of current theory/research to develop new understandings about learning and teaching in clinical environments; question and analyse current educational practice in own and other contexts; apply knowledge of current theory/research to justify a proposal for an innovation in teaching practice/s supporting the professional development of learners in your own clinical environment; analyse ethical considerations of any proposal for educational change; analyse ethical considerations of any proposal for educational change; predict the effects of proposed educational change within own workplace setting; evaluate and reconsider your own teaching practice in the light of new knowledge and understanding; critically evaluate the impact of personal beliefs and attitudes on teaching; communicate information, ideas, problems, and solutions accurately and reliably, and with structured and coherent arguments in both written and oral format; work effectively and cooperatively as a member of a learning community, providing and responding to constructive feedback.

Please note: it is recommended that part-time students complete MDED5002 prior to commencing this unit.

MDED5007
PBL in Medical Education
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Chris Roberts **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week.This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partici **Assessment:** 1x1200 word essay (20%), 1xpresentation (40%) and 1x2400 word project (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit of study builds on the introduction to concepts of effective learning and teaching developed in MDED5001 by offering you in-depth study through authentic learning activities. The key focus of this unit is on developing your understanding of student-focussed perspectives on problem-based learning and the introduction of problem-based learning to health education curricula. An important aspect of your learning experience is the development of your own problem-based learning case, a process that combines theory, design skills and creativity. Developing skills in the management of your own learning and providing peer feedback is also a focus of this unit. This unit provides a foundation for the study of small group learning and teaching in future units of study. It contributes to the achievement of your university graduate attributes of scholarship, global citizenship and lifelong learning by developing your research inquiry skills, ethical and professional understanding of small group learning, and autonomy in managing your own learning.

By the end of this unit of study students will be able to: prepare students and staff for the introduction of a problem-based learning component; design problem-based learning cases to guide collaborative and self-regulated learning; critically appraise evidence for the effectiveness of problem based versus alternative curricula; justify the introduction of problem based learning into new or revised professional health education curricula.

MDED5008
Assessment in Medical Education
Medicine

Credit points: 6 **Teacher/Coordinator:** Ms Imogene Rothnie **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 3x2500 word essays (75%) and 1xpresentation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

The aims of this unit are that students will gain enhanced skills in student assessment and a deeper understanding of principles and practices which underpin evidence-based assessment practice in medicine and the health sciences. Assessment is an essential element of undergraduate, post-graduate and continuing medical education and training. This unit of study will focus on the purpose, design, implementation and evaluation of authentic assessment tasks and strategies that reflect what practitioners do and what students will do in medical practice. The unit of study will discuss the principles underpinning best assessment practice and the evidence for particular assessment strategies.

Specific topics to be addressed include selecting assessment tools, the design and blueprinting of assessment strategies, use of assessment in formative and summative assessments, the implementation and evaluation of assessment strategies appropriate to particular medical education contexts and measurement of appropriate outcomes. This unit of study will be presented as a series of workshop sessions and problem-based learning activities.

During this unit students will learn to: evaluate the purpose, reliability and validity of an existing assessment; design and construct a reliable, valid and acceptable assessment instrument; develop strategies to facilitate the implementation of change in assessment practices; demonstrate the ability to engage in collaborative learning and demonstrate the ability to critically reflect on personal learning and teaching practices.

MDED5009
Promoting Interprofessional Learning
Medicine

Credit points: 6 **Teacher/Coordinator:** Ms Gillian Nisbet **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 1x8000word project (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit aims to prepare students to promote interprofessional learning opportunities in the workplace. This unit will focus on the exploration of theoretical and practical issues surrounding the promotion of interprofessional collaborative learning. Students will undertake a small-scale project to design an interprofessional learning opportunity relevant to their educational environment. Particular emphasis will be given to the benefits and challenges to implementation of interprofessional learning.

By the end of this unit, students will be able to: design and implement a protocol/guideline for assessing interprofessional teamwork; from the literature identify the benefits of and barriers to interprofessional learning as it relates to health professional education and apply knowledge of the interprofessional learning literature and educational strategies to design interprofessional learning opportunities.

MDED5010
Facilitating Clinical Reasoning
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Rola Ajjawi **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week - this unit may be undertaken in one of two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by som **Assessment:** 1x8000 word project (100%) plus formative tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

In this unit of study participants will develop a deep understanding of the theoretical and practical issues surrounding the facilitation of clinical reasoning. They will critique and analyse educational theory and research to form a comprehensive theoretical framework to support their learning and teaching of clinical reasoning. They will engage in critical reflection of their own reasoning and learn strategies for facilitating its development in a variety of medical education contexts. Participants will also learn to diagnose students' reasoning difficulties and to design a program to promote the development of clinical reasoning within their own educational setting.

Textbooks
Higgs J, Jones M, Loftus S and Christensen N (in press). Clinical Reasoning in the Health Professions, (3rd Ed.). Oxford: Butterworth-Heinemann.

MDED5011
Research Methods in Medical Education
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Charlotte Rees **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week - this unit may be undertaken in one of two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by som **Corequisites:** MDED5002 **Assessment:** 1x8000 word project (100%) plus formative tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Med Ed, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med Ed, M M (Int Med), M M (Paed), M Med Ed.

This unit of study is designed to build on the basic research principles learnt in MDED 5002 (Scholarship of Teaching in Medicine) and to prepare students for independent research in medical education. This advanced unit of study will help students develop a greater depth of understanding of research methods suitable for medical education, including qualitative, quantitative and mixed methods research. Students will explore the philosophical assumptions underpinning these research traditions and the range of data collection methods best suited to answer a research question based on their own context. They will learn to critically evaluate research in medical education and will learn to design a comprehensive medical education research proposal. They will also learn to apply quantitative and qualitative techniques to analyse medical education research data.

Textbooks
Cohen L, Manion L, Morrison K. Research Methods in Education (7th edition). New York: Routledge, 2007.

MECH5255
Air Conditioning and Refrigeration (Adv)
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Prof Assaad Masri **Session:** Semester 2 **Classes:** 3 hours per week (lectures and tutorials) **Prerequisites:** MECH3260 or equivalent **Prohibitions:** MECH4255 Air Conditioning and Refrigeration **Assessment:** Assignments, quizzes, project, examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

This unit of study develops an advanced knowledge of air conditioning systems and refrigeration applications. At the completion of this unit students will be able to determine thermal loads on structures and design an air conditioning or refrigeration system with attention to comfort, control, air distribution and energy consumption. Course content will include: applied psychrometrics, air conditioning systems, design principles, comfort in the built environment. cooling load calculations, heating load calculations, introduction and use of computer-based load estimation packages software, air distribution, fans, ducts, air conditioning controls, advanced refrigeration cycles, evaporators, condensers, cooling towers, compressors, pumps, throttling devices, piping, refrigerants, control, refrigeration equipment, simulation of refrigeration systems, food refrigeration and industrial applications; Use of CFD packages as tools to simulate flows in building and to optimise air conditioning design, energy estimation methods and software, energy evaluation and management in the built environment. Use of experimental air conditioning systems to test for thermal balances and compare with simulations.

MECH5265
Advanced Combustion
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Prof Assaad Masri **Session:** Semester 2 **Classes:** 3 hours per week (lectures and tutorials) **Prerequisites:** MECH3260 or equivalent **Prohibitions:** MECH4265 Combustion **Assessment:** Assignments, quizzes, project, examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

This unit aims to give students a sound understanding of combustion and some of its applications such as internal combustion engines, gas turbines and fires. At the completion of this unit students will be able to perform an analysis of simple reacting systems, calculate the structure of simple premixed and diffusion flames, and analyse thermal and flow processes in fires and combustion chambers of practical

devices. Course content will include: equilibrium compositions, flammability limits, simple chemically reacting systems, detailed chemical kinetics, the basic theory underlying laminar and turbulent combustion for both premixed and non-premixed cases, an introduction to droplet combustion, the concept of mixture fraction for non-premixed flames, combustion in engines and gas turbines as well as the formation of pollutants. Some computational tools in combustion will be introduced. Fire ignition, growth and spread will also be covered with respect to safety in buildings including the hazards related to the formation of smoke and toxic products.

MECH5275
Advanced Renewable Energy
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Michael Kirkpatrick **Session:** Semester 2 **Classes:** 1 x 2 hour lecture, 1 x 2 hour tutorial per week, 1 x 1 hour tutorial per week **Assessment:** 3 quizzes (60%) and a major group project (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

Aims

- To develop an understanding of the engineering design and analysis of different devices and technologies for generating power from renewable energy sources including: solar, wind, wave/tidal, geothermal, hydro, and bio-fuels.

- To develop an understanding of the environmental, operational and economic issues associated with each of these technologies.

Learning outcomes

- Students will be able to perform technical analysis of different types of renewable energy generation devices using the principles of fluid mechanics, thermodynamics and heat transfer.

- Students will be able to describe the environmental, economic and operational issues associated with these devices.

- Through the major design project, students will gain an in-depth understanding of the analysis, engineering design and environmental, economic and operational issues associated with a particular renewable energy technology.

MECH5701
Computers in Real Time Control and Inst
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Professor Eduardo Nebot **Session:** Semester 1 **Classes:** (one 2hr lecture and one 3hr lab/tut)/week **Prohibitions:** MECH4730 Computers in Real-Time Control and Inst MECH4710 Microprocessors in Engineered Products **Assessment:** Project and assignment work, plus one 2 hr exam. Satisfactory performance in both project/assignment work and exam is required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S, M E S (Auto Manuf Sys).

Syllabus Summary: Review of sensing, analogue and digital electronics, and overview of the IBM PC architecture. Programming for interactive control using both assembly language and high level languages. Timers and asynchronous tasks; data communication. Data structures for real-time programming. Multitasking and real time operating systems. Use of multi-tasking, message passing and multi-threading in environments such as NT and/or Unix. Object-oriented programming in C++. Design of interactive graphical displays; man-machine communication.

Objectives: Microcomputer and microprocessor system, operating in real time have become very common components in today's engineering applications. The objective of this unit of study is to teach the fundamentals of real time software and to build competence in the engineering use of such systems through lectures emphasising standard computer architectures, real-time operating systems and programming, and through intensive laboratory work with microcomputer systems interacting with experimental mechatronic processes.

Expected outcomes: The student will have a basic knowledge of the hardware components available in a microcomputer system and a detailed knowledge of facilities and capabilities typically present in a professional real time operating system. The student will have the competence to design, implement and debug real-time multitasking systems with graphical user interfaces.

Textbooks
Textbook
Auslander DM & Tham CH, Real Time Software for Control, Prentice Hall, 1990. Library Classification: 629.8102, 629.8955133.

MECH5720
Sensors and Signals
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Dr Graham Brooker **Session:** Semester 1 **Classes:** 3 lec and 1 Lab/Tut per week **Prohibitions:** MECH4720 Sensors and Signals **Assessment:** Assignments (35%), Tutorials (35%), and a 2hr open book exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M E S, M E S (Aerospace), M E S (Auto Manuf Sys).

Syllabus Summary: This course starts by providing a background to the signals and transforms required to understand modern sensors. It goes on to provide an overview of the workings of typical active sensors (Radar, Lidar and Sonar). It provides insight into basic sensing methods as well as aspects of interfacing and signal processing. It includes both background material and a number of case studies.

The course covers the following topics:

a) SIGNALS: Complex signals, Convolution, The Fourier Transform, Modulation, Frequency shifting

b) PASSIVE SENSORS: Infrared Radiometers, Imaging Infrared, Passive Microwave Imaging, Visible Imaging & Image Intensifiers

c) ACTIVE SENSORS THE BASICS: Operational Principles, Time of flight (TOF) Measurement & Imaging, Radio Tags and Transponders, Range Tacking, Doppler Measurement, Phase Measurement

d) SENSORS AND THE ENVIRONMENT: Atmospheric Effects, Target Characteristics, Clutter Characteristics, Multipath

e) ACTIVE SENSORS: ADVANCED TECHNIQUES: Probability of Detection, Angle Measurement and Tracking, Combined Range/Doppler and Angle Tracking, Frequency Modulation and the Fast Fourier Transform, High Range Resolution, Wide Aperture Methods, Synthetic Aperture Methods (SAR)

Objectives: The course aims to provide students with a good practical knowledge of a broad range of sensor technologies, operational principles and relevant signal processing techniques.

Expected Outcomes: A good understanding of active sensors, their outputs and applicable signal processing techniques. An appreciation of the basic sensors that are available to engineers and when they should be used.

MECH5900
Thesis, Semester 1, Full Time
Engineering and Information Technologies

Credit points: 12 **Session:** Semester 1 **Assessment:** On the basis of the submitted thesis and the report by the supervisor of the student's contribution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Theses should be typewritten on A4 with text, diagrams, graphs, photographs, etc, properly displayed. One copy should be submitted, hard-bound for the university library. Students are responsible for supplying their own thesis production materials.

Associated degrees: M E S.

Syllabus: Each prospective student is required to consult with prospective supervisors to apply for a topic. In the normal course of events some or all of the theoretical, developmental, and experimental aspects of research or design work are expected in a thesis. These aspects may be either directed by the supervisor or be of an original nature, but in any event the student is directly responsible to his or her supervisor for the execution of his and her practical work and the general layout of the thesis itself.

Objectives: To involve students in a research or major design project and give them the opportunity to conduct systematic investigations.

Expected outcomes: Ability to plan and execute a complete piece of scientific work and to report their study in a thesis.

MECH5901
Thesis, Semester 2, Full Time
Engineering and Information Technologies

Credit points: 12 **Session:** Semester 2 **Prohibitions:** MECH5900 **Assessment:** On the basis of the submitted thesis and the report by the supervisor of the student's contribution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Theses should be typewritten on A4 with text, diagrams, graphs, photographs, etc, properly displayed. One copy should be submitted, hard-bound for the university library. Students are responsible for supplying their own thesis production materials.

Associated degrees: M E S.

Syllabus: Each prospective student is required to consult with prospective supervisors to apply for a topic. In the normal course of events some or all of the theoretical, developmental, and experimental aspects of research or design work are expected in a thesis. These aspects may be either directed by the supervisor or be of an original nature, but in any event the student is directly responsible to his or her supervisor for the execution of his and her practical work and the general layout of the thesis itself.

Objectives: To involve students in a research or major design project and give them the opportunity to conduct systematic investigations.

Expected outcomes: Ability to plan and execute a complete piece of scientific work and to report their study in a thesis.

MECH5904
Seminar, Semester 1
Engineering and Information Technologies

Credit points: 2 **Teacher/Coordinator:** Dr Kee Choon Wong **Session:** Semester 1 **Classes:** Some instructional sessions will be arranged to provide basic techniques for preparation and presentation of technical material to an audience by audio-visual means. **Prohibitions:** MECH5905 **Assessment:** Satisfactory performance in a seminar as assessed by the participants. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

Syllabus summary: Each student, usually in consultation with his or her supervisor, prepares a abstract of the seminar for distribution one week in advance of the seminar. Although it is not obligatory, the subject for the seminar is normally closely related to the student's thesis project (MECH5900); thus it tends to deal in depth with some relatively narrow technical field. At the seminar (where the participants comprise departmental staff, postgraduate students and visitors), oral presentation of the thesis is followed by critical discussion under formal chairmanship.

Objectives: To improve student competence and confidence in developing and presenting a formal technical presentation.

Expected outcomes: The ability to structure and deliver a competent and informative technical presentation.

MECH5905
Seminar, Semester 2
Engineering and Information Technologies

Credit points: 2 **Teacher/Coordinator:** Dr Kee Choon Wong **Session:** Semester 2 **Classes:** Some instructional sessions will be arranged to provide basic techniques for preparation and presentation of technical material to an audience by audio-visual means. **Prohibitions:** MECH5904 **Assessment:** Satisfactory performance in a seminar as assessed by the participants. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M E S.

Syllabus summary: Each student, usually in consultation with his or her supervisor, prepares a abstract of the seminar for distribution one week in advance of the seminar. Although it is not obligatory, the subject for the seminar is normally closely related to the student's thesis project (MECH5900); thus it tends to deal in depth with some relatively narrow technical field. At the seminar (where the participants comprise departmental staff, postgraduate students and visitors), oral presentation of the thesis is followed by critical discussion under formal chairmanship.

Objectives: To improve student competence and confidence in developing and presenting a formal technical presentation.

Expected outcomes: The ability to structure and deliver a competent and informative technical presentation.

MECO6900
News Writing
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** MECO4101 **Assessment:** One 500 word news story (10%), one 1000 word feature article (30%), one press release (30%), and one 1500 word seminar paper (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert D C C, Grad Cert Media Prac, Grad Cert P C, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip P C, Grad Dip Stat Pr, M Media Prac, M P C, M Strat P R, PG Coursework Exchange.

This core unit will train students in foundational writing skills required by print and broadcast media including the elements of journalistic style, the structure of news and feature articles in print media, basic news scripting techniques for broadcast media, and basic interviewing and research skills. Students will also develop editing and crucial reading skills through the evaluation of professional articles and scripts.

Textbooks
Course reader
David Conley, 'The Daily Miracle: An Introduction to Journalism', Oxford University Press, 2005.

MECO6901
Dealing with the Media
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Campaign Proposal 35%; Campaign Implementation 35%; Evaluation Report 20%; Participation/discussion 10%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Lib Stud, Grad Cert Media Prac, Grad Cert P C, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip P A, Grad Dip P C, Grad Dip Stat Pr, M Media Prac, M P Admin, M P C, M Strat P R, PG Coursework Exchange.

This core unit offers students practical and analytic skills in examining and understanding the relations between publicity, public relations and the media. This unit offers students practical and analytical skills in examining and understanding the relations and differences between publicity, public relations and the media. It emphasises a practical application of a public communication campaign and uses international case studies to assist in its formative stage. The unit presents a structured approach to the application of campaign interventions while allowing students to frame individual or group issue interests.

Textbooks
A Course Reader wil be available

MECO6902
Legal & Ethical Issues in Media Practice
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Two 2,500 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert C S, Grad Cert D C C, Grad Cert Lib Stud, Grad Cert Media Prac, Grad Cert P C, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip P C, Grad Dip Stat Pr, M Media Prac, M P C, M Strat P R, PG Coursework Exchange.

MECO6902 will introduce students to key legal and ethical issues relevant to journalism and the professional fields of public communication. Students will be given an introductory survey of the main ethical theories in Western thought to establish a framework within which to examine specific ethical issues that relate to media. They will also be introduced to the structure of Australia's legal system and to those aspects of the law that impinge on the work of media professionals.

Textbooks
Recommended reading:
Pearson, M., The Journalist's Guide to Media Law: Dealing with legal and ethical issues, 2nd edn, Crows Nest, NSW: Allen and Unwin, 2004;

Lumby, C. and Probyn, E. (eds), Remote Control: New Media, New Ethics, Cambridge: Cambridge University Press, 2003.

MECO6904
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Media Prac, M Pub, M Strat P R.

This unit requires students to commence the conduct of their own research projects under the supervision of a member of staff and write a dissertation of 12000 words (completed in the second semester of enrolment in MECO6905). In some cases these projects will give students the opportunity to extend lines of enquiry suggested by units of study already completed for the degree. In other cases, students may have an interest in an area not covered by the coursework programs offered during their candidature that can be developed as a supervised project.

MECO6905
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1, Semester 2 **Prerequisites:** MECO6904 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Media Prac, M Pub, M Strat P R.

This unit requires completion of a dissertation of 12000 words, begun in the previous semester. Together with MECO6904, the unit allows students to conduct their own research projects under the supervision of a member of staff.

MECO6906
Literary Journalism: History and Theory
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** One Seminar Paper (40%), one 2000 word essay (40%), one journal/clippings file (10%), participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Pub, Grad Dip Media Prac, M Media Prac, PG Coursework Exchange.

This unit will give students an overview of the history, theory and practice of literary journalism in Australia, a critical understanding of key writers and genres in the field, and an opportunity to gain practical skills in this form of writing. Genres studied will include new journalism, critical review writing, essay writing, memoir writing, travel writing, popular science, and ficto-criticism.

Textbooks
Course reader
Kevin Kerrane (ed) The Art of Fact: An Historical Anthology of Literary Journalism, New York: Ballantine, 1984

MECO6908
Strategy Selection in Corporate PR
Arts

Credit points: 6 **Teacher/Coordinator:** Dr R Stanton **Session:** Semester 1 **Classes:** 2 hours per wk **Prerequisites:** Undergraduate degree and/or five years professional experience in PR **Assessment:** Assignments and essays totalling 4000-5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert P A, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip Stat Pr, M Media Prac, M Strat P R, PG Coursework Exchange.

The unit will analyse and evaluate corporate strategy selection in organisations to determine effectiveness of selection in terms of results obtained. Students will examine the strategic intent of a national or international corporation, by studying its corporate communications, specifically its annual reports and other marketing data. The unit will attempt to determine the effectiveness of the organisation's communication with specific reference to stakeholders such as customers, employees, environmental groups, governments, and shareholders.

Textbooks
Mayhew, Leon, The New Public Cambridge: Cambridge University Press, 1997
Boton, Carl and Vincent Hazelton Public Relations Theory II New York: Lawrence Erlbaum, 2006

MECO6909
PR Management and Conflict Resolution
Arts

Credit points: 6 **Teacher/Coordinator:** Dr R Stanton **Session:** Semester 1 **Classes:** 2 hours per wk **Prerequisites:** Undergraduate degree and/or five years professional experience in PR. **Assessment:** Assignments and essays totalling 4000-5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert P A, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip Stat Pr, M Media Prac, M Strat P R, PG Coursework Exchange.

The unit will examine how PR programs are managed from their inception through research and development to implementation. A variety of programs will be analysed including those within corporations, NGOs and governments. It will examine various models of communication management and use case studies to measure their effectiveness. It will also examine the management of crisis communication planning in corporations and other organisations.

Textbooks
Stacks, Don, Primer of Public Relations Research, New York: Guilford, 2006
Stanton, Richard, Media Relations Melbourne: Oxford University Press, 2006

MECO6912
Political Public Relations
Arts

Credit points: 6 **Teacher/Coordinator:** Dr R Stanton **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Assignments and essay totalling 4000-5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip P A, Grad Dip Stat Pr, M Media Prac, M P Admin, M Strat P R, PG Coursework Exchange.

This unit of study analyses and examines the convergence of public relations, advertising and political consulting in the history of political campaigning. The unit's objectives are to demonstrate an understanding of the relationships that exist in the political process between politicians, the media and public relations. It develops student skills specific to the delivery of political public relations and political campaigns. Its focus is the process of professionalisation and internationalisation of electioneering and campaign practices in media-centred democracies.

Textbooks
Recommended Reading:
Louw, P. Eric, The Media and Political Process, London: Sage, 2005

MECO6913
Public Opinion, Policy and Public Sphere
Arts

Credit points: 6 **Teacher/Coordinator:** Dr R Stanton **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Written work totalling 4000-5000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip P A, Grad Dip Stat Pr, M Media Prac, M P Admin, M Strat P R, PG Coursework Exchange.

This unit analyses the relationship between professional communication and public opinion. It focuses on theories of influence and persuasion in the context of the development of policy, and how these are reflected in the public sphere. It develops the notion of the public sphere as represented by Habermas, Fraser, Schudson and others, focusing in particular on the transformation of the public sphere in terms of postmodern public relations.

Textbooks
Recommended Reading:

Habermas, J., The Structural Transformation of the Public Sphere: An inquiry into a category of bourgeois society, Cambridge: Polity Press, 1992

MECO6914
Making Magazines
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** One magazine production group assignment (equivalent to 4000 words) three feature articles (1 x 1000 words, 2 x 500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip Stat Pr, M Media Prac, M Strat P R, PG Coursework Exchange, PG Summer/Winter School.

This unit explores some of the practical and theoretical aspects of contemporary magazine culture. Students work in small groups to conceive, plan, write and partly design a small magazine to the 'dummy' (prototype) stage. The emphasis of the course is editorial rather than design or marketing, although students will learn the importance of thinking visually and producing a magazine that functions in the commercial media landscape. The unit also encompasses conceptual issues such as reading, genre, gender, class, taste, celebrity and lifestyle, especially as they relate to current magazine practice.

Some knowledge of publishing software, such as Pagemaker or InDesign is useful but not essential.

Textbooks
Course Reader
Mckay, Jenny, The Magazines Handbook, London: Routledge, 2006

MECO6915
Writing Features: Narrative Journalism
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 1 x 500 word pitching assignment: 10%; 1 x 1,500 word feature assignment: 40%; 1 x 2,500 word feature assignment: 40%; participation and attendance: 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert P C, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, Grad Dip P C, Grad Dip Stat Pr, M Media Prac, M P C, M Strat P R, PG Coursework Exchange, PG Summer/Winter School.

This unit is designed to teach students the basic principles of short-form literary journalism suitable for publication in existing literary magazines, online journals, and newspaper supplements. Genres covered will include the profile, the essay, opinion writing, and autobiographical writing. Students interested in writing longer projects will also have an opportunity to produce an example of two genres covered, determined by their interests: the first as a work-in-progress presented for discussion to the seminar group; the second as a finished work for individual assessment.

Textbooks
Course Reader
Ricketson, Matthew. Writing Feature Stories: How to Research and Write Newspaper and Magazine Articles, Sydney: Allen and Unwin, 2004

MECO6916
Editing and Manuscript Preparation
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** One 1500 word reader's report (15%), one 500 word copyeditiing exercise (15%), one 1000 word structural report (30%), one 2000 word essay (30%), participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert D C C, Grad Cert Media Prac, Grad Cert Pub, Grad Dip Arts, Grad Dip C W, Grad Dip Media Prac, M A, M C W, M Litt, M Media Prac, PG Coursework Exchange.

The unit offers core skills of copy and structural editing for trade, academic, scholarly and cross-over markets. It also analyses the editor's role in different compositional practices, the process of manuscript evaluation, development and preparation, and the relationship with the author and publisher. Students will form an editing team who will select, shape and prepare a manuscript for publication. This manuscript will be submitted to MECO6917 for processing into book form.

Textbooks
Course Reader
Flann, Elizabeth and Beryl Hill, The Australian Editing Handbook, 2nd edn, Sydney: John Wiley, 2004

MECO6917
Book Production and Publishing Business
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** One 1500 word practical exercise in costing a design with format, print-run, and contract based readership analysis, one 3000 word essay and seminar participation and group work on book production **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Media Prac, Grad Cert Pub, Grad Dip Arts, Grad Dip C W, Grad Dip Media Prac, M A, M C W, M Litt, M Media Prac, PG Coursework Exchange.

The unit offers core skills in the book production process, including costings, contracts, printing, distribution, digital archiving, repurposing and marketing. Additionally, it offers a socio-historical analysis of the role of publishing in cultural formation. Students enrolled in this unit will inherit the page proofs from MECO6916 for production into book form. The book will be published by Sydney University Press in a small print run in traditional format with further copies available via print-on-demand.

MECO6918
Publishing Internship
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1, Semester 2 **Classes:** 10 days (7 hours per day) or 70 hours of work placement in an accredited publishing organization **Assessment:** One 1500 word journal reflecting on the work experience and which may include a portfolio of work where feasible and one 2500 word research essay on a topic to be devised in consultation with the postgraduate coordinator **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: The internship may only be undertaken after completing at least 2 core units of study by Master of Publishing candidates only.

Associated degrees: M Pub.

This unit offers an opportunity for direct work experience in a range of publishing roles, from editing and production assistance to public relations, sales and marketing. The unit may be undertaken in either semester 1 or semester 2, following the completion of at least 2 core units of study in the program, and depending on the availability of placements.

MECO6922
Sports Reporting
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Giles **Session:** Semester 1 **Classes:** 2 hours per wk **Corequisites:** MECO6900 and either MECO6903 or MECO6915 **Assessment:** One 700 word max. short sports new report (for print or broadcast), one 2000 word max. longer sports feature (for print or broadcast) and one 2000 word max. essay on sports reporting and the media **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Media Prac, Grad Cert Pub, Grad Dip Arts, Grad Dip C W, Grad Dip Media Prac, M A, M C W, M Litt, M Media Prac, PG Coursework Exchange.

This unit offers study in a popular specialist area, providing sports reporting skills across print or broadcast media and an opportunity to study longer form literary journalism in this field. The unit will also cover a history of sports journalism, its place in Australian media culture, and its relationship to politics, consumption and gender. Students will be required to also study: MECO6900 Writing for Media and either MECO6915 Advanced Writing for Media or MECO6903 Broadcast Production.

Textbooks
Course Reader
Andrews, P, Sports Journalism: A Practical Introduction, London: Sage, 2005

MECO6923
Political Journalism
Arts

Credit points: 6 **Teacher/Coordinator:** Mr A West **Session:** Semester 2 **Classes:** 2 hours per wk **Corequisites:** MECO6900 or the provision of a published media writing prior to enrolment **Assessment:** One 1000 word max. short political news report (for print or broadcast), one 3000 word max. longer politics feature (for print or broadcast) and one 1000 word max. op ed piece or opinion column on current political topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C W, Grad Cert Media Prac, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Arts, Grad Dip C W, Grad Dip Media Prac, M A, M C W, M Litt, M Media Prac, PG Coursework Exchange.

This unit focuses on an important specialist area, providing political reporting skills across print and broadcast media and an opportunity to explore opinion wirting and longer form political commentary. The unit will also consider the role of political journalism in public discourse, and the creation of the public sphere. Students will be required also to study MECO6900 Writing for Media, or provide a portfolio of published media writing prior to enrolment.

MECO6924
Broadcast Journalism
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1 **Classes:** 3 hours per wk **Corequisites:** Either MECO6900 or MECO6915 or a portfolio of equivalent writing **Assessment:** 2 x practical production assignments in radio and digital video (equivalent 1500 words) 30% each; 1 x essay (2000 words) 30%; class participation 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Pub, Grad Dip Media Prac, M Media Prac, PG Coursework Exchange.

This unit introduces students to the practical skills of broadcast journalism from idea to final story. It uses a contemporary approach to journalistic pratice, encompassing news and current affairs, infotainment and the "infomercial". The unit will be a valuable introduction for students planning to work in braodcast media in news, PR, or factual entertainment. It includes the study of theoretical issues around broadcast journalism in today's multimedia, convergent working environment.

Textbooks
Recommended reading:
Phillips, G. and Lindgren, M., Australian Broadcast Journalism, 2nd end, Melbourne: Oxford University Press, 2006

MECO6925
Online Journalism
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 2 **Classes:** 3 hours per wk **Assessment:** Two writing assignments in different genres (equivalent 1500 words each (60%), one 2000 word essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Pub, Grad Dip Media Prac, M Media Prac, PG Coursework Exchange.

This unit introduces students to writing for news and information based sites on the World Wide Web. It is a practical unit requiring writing exercises in different genres, including at least two of news, current affairs, feature, opinion, advertorial or media relaease. It may incorporate multimedia content in the form of digital images or audio. It includes the study of theoretical issues in convergent media. Students will work with a dreamweaver-based template.

Textbooks
Course Reader

MECO6926
International Media Practice
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Corequisites:** Either MECO6900 or MECO6915 or a portfolio of equivalent writing **Assessment:** One 1500 word essay (30%) one 2000 word essay (40%), one 1500 word reflective journal clippings file (20%), participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Strat Pr, Grad Dip Media Prac, M Media Prac, PG Coursework Exchange.

This unit will consider the variation among international media practices, by studying the media institutions, professional traditions and regulatory practices of several different countries, including France, Sweden, the U.S.A. Lebanon and China. Access to foreign media content will provide the basis for comparative case studies within a theoretical overview of the relationship between globalization and the media. The course will include guest lecturers with international media experience and foreign visiting media practitioners.

Textbooks
Course Reader
McKenzie, Robert, Comparing Media from Around the World, Boston: Pearson, 2005

MECO6927
Organisational Communication
Arts

Credit points: 6 **Teacher/Coordinator:** Dr S Chaidaroon **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Quizzes (1500 words equiv) 30%; case analysis essay (1000 words) 25%; feature or documentary on an organisational communication issue (2500 words) 45% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Media Prac, Grad Cert Pub, Grad Cert Strat Pr, Grad Dip Media Prac, M Media Prac, PG Coursework Exchange.

This unit of study introduces key concepts in organisational communication. Students will explore various structures of organisations and how those structures affect the flow of communication within workplaces. Upon the completion of the unit, students will develop their understanding of key concepts in organisational communication and apply them to analyse communication problems in organisations. Students will also be able to offer well-grounded criticism on selected organisational issues.

MEDF5005
Health Research Methods and Ethics
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Judy Simpson, Ms Jo Lander **Session:** Semester 1, Semester 2 **Classes:** Interactive lectures, small group work, online discussions and lectures **Assessment:** 1x2500wd assignment (40%), 1x1500wd assignment (30%), class or online presentations (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip H Pol, M Phil Med.

This unit of study is intended for postgraduate students who wish to undertake an introductory unit on research methodologies rather than specialize in a single methodology. Students will be introduced to biostatistics, epidemiology and qualitative research methodologies and to the fundamentals of research ethics in relation to medical and health research.

This unit will be problem-based. By solving real research problems and engaging in joint research planning, students will learn about the specific contribution of biostatistics, epidemiology and qualitative research methodologies and how they can be integrated in a research project. Practical implications of research ethics will be explored at each stage. Students will have the opportunity to reflect on ways in which these methods and ethical considerations apply to their own research

META6900
E-Learning Principles & E-Communications
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Marie-Therese Barbaux and Dr William Renner **Session:** Semester 1 **Classes:** 2 weekends (24 hours) during semester 1, 2008 + online work and interaction OR web delivery i.e., 100% online **Assessment:** Reflective evaluation of online interactions - 1000 words (25%); articulation of learning objective and outcome statements - 500-800 words (25%); report on design, creation and implementation of communication-oriented learning activity - 2000 words (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: META6900 is the core unit for the Graduate Certificate in E-Communications and is the pre- or co-requisite for the other three units of study in the course.

Associated degrees: Grad Cert D C C, Grad Cert E-Comm, Grad Dip Arts, Grad Dip Lib Stud, M A, M Lib Stud, M Media Prac, PG Coursework Exchange.

This unit is the core unit of the program and explores the role of e-communications in today's education and training environments. Principles, models and practices for effective integration of e-communications into the curriculum will be critically examined as well as the educational, social, organisational and technical factors that are shaping practices in the educational use of e-communications. E-communications will be analysed in the context of specific e-learning environments and evaluated against the needs of the students' professional contexts.

META6901
Framework for Effective E-Communications
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Marie-Therese Barbaux and Dr William Renner **Session:** Semester 1 **Classes:** 2 weekends (24 hours) during semester 1, 2008 + online work and interaction OR web delivery i.e., 100% online **Corequisites:** META6900 **Assessment:** Design and development of a learning module for a given learning outcome in the authentic situation of the student's professional environment that will exploit distinctive features of at least two e-communication technologies (60%); rationale and outline of the theoretical framework that supports the design of the module and the expected student learning experience - 2000 words (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert D C C, Grad Cert E-Comm, Grad Dip Arts, Grad Dip Lib Stud, M A, M Lib Stud, M Media Prac, PG Coursework Exchange.

This unit provides students with a deeper understanding of learning design, from a student-centred perspective, and the contribution of e-communications to a collaborative learning process. It presents a comprehensive overview of how (virtual) communities develop and their impact on the individual learning process. Salmon's 5-level e-moderating framework will be examined in depth. Students will be expected to embed their understanding in their professional practice and design a complete learning module making creative use of e-communications for their particular purposes.

META6902
E-Communication, Assessment & Evaluation
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Marie-Therese Barbaux and Dr William Renner **Session:** Semester 2 **Classes:** 2 weekends (24 hours) during semester 1, 2008 + online work and interaction OR web delivery i.e., 100% online **Corequisites:** META6900 **Assessment:** Design of a meaningful assessment strategy involving e-communications and group interaction for the student's particular professional environment (50%); design and implementation of an action research project for the stuent's professional situation - (i) identify an area of focus, (ii) collect data, (iii) analyse and interpret data, (iv) develop an action plan (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert D C C, Grad Cert E-Comm, Grad Dip Arts, Grad Dip Lib Stud, M A, M Lib Stud, M Media Prac, PG Coursework Exchange.

This unit combines theoretical and practical components that will enable students to acquire specialised design and methodological skills aimed at (i) creating summative and formative assesment activities supported by e-communications and (ii) embedding evaluation within their curriculum. Particular focus will be placed on the use of group assessment activities and the various models and practices relevant to the assessment of student online interaction. Program evaluation design, ethics and standards, and qualitative evaluation techniques will be explored through case studies.

META6903
Managing E-Communications
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Marie-Therese Barbaux and Dr William Renner **Session:** Semester 2 **Classes:** 2 weekends (24 hours) during semester 1, 2008 + online work and interaction OR web delivery i.e., 100% online **Corequisites:** META6900 **Assessment:** Work-based project, carried out independently by students in their own working environment. Students will submit a basic business course, defining the purpose of their e-learning resource proposal, pedagogical benefits for their organization, a complete needs analysis and management plan - 5000-6000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert D C C, Grad Cert E-Comm, Grad Dip Arts, Grad Dip Lib Stud, Grad Dip P C, M A, M Lib Stud, M Media Prac, M P C, PG Coursework Exchange.

This unit is designed to enable students to develop knowledge and expertise that are characteristic of those who assume leadership roles in bringing about improvement in their organization. Students will: identify and explore a range of e-communication technologies and evaluate their suitability for their own environment; plan the integration of the technologies within their curent environment and ascertain the technical and pedagogical support required; develop policies and plan for the integration of e-communications in their organization.

MFDI9001
Studio Project Major 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M F D I.

The aim of this unit of study is to introduce students to the conceptual and technical means necessary to develop a film and digital image project. Studio Project Major 1 will be supported by weekly seminars, readings, film and video screenings and consultations with an academic adviser. Students will work in small groups, or individually, to produce a studio project to be completed for assessment at the end of the semester. The submission of professional standard, pre-production documents highlighting the planning and production stages of the project is a requirement. The studio project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9002
Studio Project Major 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours **Prerequisites:** MFDI9001 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M F D I.

The aim of this unit of study is to consolidate and expand on the conceptual and technical areas explored in the Studio Project Major 1 program. Students will work in small groups, or individually, to complete a major studio-based project at an advanced level, for assessment at the end of the semester. The program will be supported by weekly seminars, readings, film and video screenings and consultations with an academic adviser. The submission of test scenes and professional standard, pre-production documents highlighting the planning and production stages of the project are a requirement. The studio project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9011
Studio Practice Seminar 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M F D I.

This unit of study is designed to give students proficiency in the use of equipment and facilities they will use in the production of studio-based works. The program will be supported by an intensive series of workshops. The workshops will consist of technical demonstrations, studio and location exercises and group workshop activities. The workshop program will provide an overview of the following: working with digital video and audio equipment, using Final Cut Pro in the editing process, an introduction to ProTools and soundtrack design and working with 16mm film in the studio and on location. A technical officer and member of academic staff will be responsible for the delivery of the program. The completion of all workshop exercises and projects is a requirement.

Textbooks
Refer to Studio Reading List.

MFDI9012
Studio Practice Seminar 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Prerequisites:** MFDI9011 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M F D I.

Studio Practice Seminar 2 is designed to consolidate proficiency and skills in the use of equipment and facilities that students have used in the production of studio-based works in Studio Practice Seminar 1. The program will be supported by an intensive workshop program. The workshops will consist of technical demonstrations, studio and location exercises and group workshop activities. These will include advanced video and audio recording techniques, digital editing techniques, elements of digital studio sound recording and mixing and advanced filmmaking techniques using the 16 mm camera. A technical officer and member of academic staff will be responsible for the delivery of the program. The completion of all workshop exercises and projects is a requirement for Studio Practice Seminar 2.

Textbooks
Refer to Studio Reading List.

MFDI9303
Digital Effects for Film and Video
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

The aim of this unit of study is to equip students with a conceptual understanding and technical expertise in the use of digital effects for film and video projects. Students will be introduced to the use of software programs such as Adobe After Effects to explain how moving images can be transformed over time in combination with text, masks, animation, filters, effects and sound. Students will learn how to author in After Effects through an intensive series of tutorials film/video screenings and practical studio workshops. This will culminate in the production of a studio project with students applying digital effects to existing film or video footage that they are using to complete their major studio project. The project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9313
Digital Editing for Film and Video
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

The aim of this unit of study is to give students a comprehensive understanding of how to work in the digital post-production environment to complete a film or video project. Students will be introduced to the use of Final Cut Pro to explain how film and video media can be imported as clips to be edited into sequences on a timeline. Students will learn how to manage projects, use transitions and effects, work with audio and complete projects for export to digital videotape or DVD. Students will also be introduced to the Media 100 editing system later in the program. Each student will complete a short project using Final Cut Pro. The studio project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9323
Documentary Digital Video
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

The aim of this unit of study is to introduce students to the making of documentary projects. While the practical aspects of documentary production will be emphasized, students will also be familiarised with the history of documentary filmmaking and an analysis of contemporary trends and directions. Documentary Digital Video will be supported by weekly seminars, readings, film and video screenings. Students will complete a short documentary project including the submission of professional standard pre-production documents highlighting the planning and production. The studio project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9333
Experimental Film
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

The aim of this unit of study is to encourage students to imaginatively explore the potential of working with film as a tactile, creative medium. The program will explore key processes and issues related to the production and exhibition of experimental film works. It will include group discussion, readings and screenings of relevant historical and contemporary film works. Some of the practical techniques that will be explored are: drawing, scratching and painting on emulsion, drawing an optical soundtrack, creating installed film work and film-loops, montage editing utilising found footage and coloured leader and Flatbed editing techniques. Each student will produce one self-initiated film project of 3 to 5 minutes in length. The project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9343
Experimental Sound
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further

information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

This unit of study will explore key processes and issues related to the production and exhibition of experimental sound works. It will include discussions, readings and presentations of relevant historical and contemporary experimental sound works. Some examples of techniques to be explored include basic mixing and recording in the studio, creating loops, working with feedback and noise, composing with 'found' sounds, integrating live and prerecorded sounds, working with the voice as an expressive instrument and creating installed audio works in site-specific locations. Student enrolled in this unit will produce one, self-initiated sound project. This work may include any number of the processes explored in the program. The project is to be developed in consultation with an academic adviser.

Textbooks
Refer to Studio Reading List.

MFDI9353
Memory Time and Identity
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

This unit of study will examine the cultural, thematic and formal characteristics of European art cinema in terms of certain filmmakers whose films are notable for their treatment of identity, history, memory, time and space. They include Igmar Bergman, Jean Cocteau, Jean-Luc Godard, Chris Marker, Alain Resnais, Roberto Rossellini and Agnes Varda. These filmmakers' oeuvres will be discussed in the light of Gilles Deleuze's influential cinema theory and related theoretical perspectives. Topics in the program will include documentary and fiction: perceptions of the past, flashbacks, narrative and trauma; memory, time travel and nostalgia. Each lecture will be accompanied by an appropriate film/video screening. No background in film theory is assumed. Students will be asked to write a 2,500-word essay on any representative film and/or filmmaker discussed in the program.

Textbooks
Refer to Studio Reading List.

MFDI9363
Interpreting Underground Cinema
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

This unit will examine the American avant-garde/independent cinema of the late 1950s to the early 1970s. It will look at the various underlying concepts, forms, techniques and motifs informing the works of such influential experimental filmmakers such as John Cassavetes, Andy Warhol, Kenneth Anger, Jonas Mekas, Shirley Clark, Jim McBride and Ron Rice. Each lecture will be accompanied by an appropriate film/video screening. The avant-garde film expressivism of the 1960s overlapped with that of other significant art forms like painting, jazz, experimental theatre, poetry and dance. Thus the production and critical reception of '60s American avant-garde film will be contextualised in the broader, counter-cultural avant-garde of the time. Students will be asked to write a 2,500-word essay on any representative film and/or filmmaker of the late 1960's American underground cinema.

Textbooks
Refer to Studio Reading List.

MGRK7106
Greek Literature in Film
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Cert F S, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

In this unit we explore and critically analyse the visual translation of a number of literary texts into the language of cinema and examine the depiction of Greek society through them.

MGRK7701
The Classical Heritage
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof V Karalis **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit examines the influence of classical Greek tradition on modern Greek literature. Through the study of selected literary texts relevant theoretical issues of literary history, identity, nationhood and history are also raised.

MGRK7702
Comparative Literature
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof V Karalis **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit examines the concept and the practice of Comparative Literature with sepcific emphasis on novels, historical narratives, literary essays and cultural discourses from a variety of literary traditions of the East and the West.

MGRK7703
Literary History and Poetics
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Euro Stud, Grad Dip Arts, Grad Dip Euro Stud, M A, M Euro Stud, PG Coursework Exchange.

This unit examines the evolution of Modern Greek Poetry from the beginning of the 19th century and discusses traditional literary histories as well as the relationship between literary history and poetics.

MIDI5003
Contemporary Midwifery in Context
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1a **Classes:** lectures, tutorials **Prerequisites:** MIDI 5001 **Corequisites:** MIDI 5002 **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mid.

This unit of study will build upon the Midwifery Foundations and Practice unit. The principles of primary health care and woman centered approach to midwifery practice will continue to be integrated throughout this unit to enable students to understand and apply the principles in planning midwifery care. Assessment and monitoring of the progress of a woman and her baby (foetus) during pregnancy, labour, birth and postnatal period will be addressed. Assessment of the education requirements of the woman and her family during the childbearing period (including preconception) and how these might be addressed will be covered. Issues affecting childbearing will be

further explored from socio-political, legal, ethical, cultural, environmental, psychological and spiritual perspectives.

MIDI5007
Professional Issues in Midwifery
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2b **Classes:** lectures, tutorials **Prerequisites:** MIDI5002, MIDI5005 **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mid, M Mid.

This unit of study embraces a range of issues surrounding contemporary midwifery practice such as models of midwifery practice, therapeutic communication skills and ethical issues, contemporary motherhood, parenting and family dynamics. The unit will enable students to develop competencies in the application of therapeutic communications in midwifery and to develop an ethical decision-making framework for the complex issues that may arise in their practice.

MIDI6002
Midwifery Research Methods & Application
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** Seminars **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mid.

This unit examines the ways in which midwifery knowledge, practices and modes of service can be investigated and enhanced. The unit begins with the Nightingale legacy of statistical analyses of morbidity and mortality and their use as key indicators and evidence of midwifery/nursing, health service and practice efficacy. This unit addresses the range of research designs, methodologies, data analysis/interpretation and processes of reporting that can be appropriately used in the development and evaluation of midwifery practices and processes of care.

MIDI6010
Midwifery Project
Nursing and Midwifery

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Tutorials **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Mid.

This 12 credit point project aims to give midwifery students the opportunity to develop the skills required to undertake an advanced independent investigation on a topic or issue of relevance to the midwifery profession. Students may develop a proposal for independent research on a topic, a comprehensive literature review on a topic or produce a substantial paper that demonstrates the application of scholarly literature to a current issue in midwifery.

MIDI6013
Midwifery Dissertation
Nursing and Midwifery

Credit points: 24 **Session:** Semester 2 **Classes:** Tutorials **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Ca N (Hons), M Clin Ed (Hons), M Clin N (Hons), M Emerg N (Hons), M Ger N (Hons), M Int Care N (Hons), M M Hlth N (Hons), M Mid Res (Hons), M N Res (Hons).

This 24 credit point dissertation will provide midwives with an opportunity to implement a research proposal developed in Midwifery Project (MIDI6010). Students would be expected to conduct an independent research project under supervision and produce a dissertation that documents the literature, methodology, process and findings. Alternatively students may choose to write a substantial paper based on the application of scholarly literature to an identified problem or issue of significance to midwifery.

MIPH5004
Praxis in International Public Health I
Medicine

Credit points: 2 **Teacher/Coordinator:** Professor Lalit Dandona, Associate Professor Michael Dibley, Dr John Hall **Session:** Semester 1, Semester 2 **Assessment:** 1x2000word written report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students discuss with an international public health staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit gives students the opportunity to undertake an international public health research topic of interest in greater depth under the supervision of an academic staff member. The research can take the form of literature review, development of a research proposal, or analysis of data already collected. A written report is required at the end. Alternatively, students may choose to undertake a placement with an international agency or with relevant health services overseas or in Australia and then write a report about it.

MIPH5005
Praxis in International Public Health II
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Lalit Dandona, Dr John Hall **Session:** Semester 1, Semester 2 **Assessment:** 1x4000word written report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students discuss with an international public health member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit gives students the opportunity to undertake an international public health research topic of interest in greater depth under the supervision of an academic staff member. The research can take the form of literature review, development of a research proposal, analysis of data already collected, or a small study involving primary data collection and analysis. A written report is required at the end.Alternatively, students may choose to undertake a placement with an international agency or with relevant health services overseas or in Australia and then write a report about it.

MIPH5006
Seminars in International Public Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Mu Li, Dr John Hall **Session:** Semester 2 **Classes:** 11x2hr lectures per semester, 2x2hr sessions of peer learning through group presentations **Assessment:** 1x group presentation (20%), peer evaluation (5%),1x2500word individual essay (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip P H, M Int P H, M P H.

This unit aims to give students an insight into the realities of prevention and control of diseases and injury, and of health promotion in developing country populations based on real examples, presented by a wide range of people with direct practical experience. The unit covers a variety of issues in health and development, disease prevention and control and health services in developing country settings..

Textbooks
Unit note supplied by School.

MIPH5008
Travel and Tropical Medicine
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Giselle Manalo, Dr John Hall, Dr Paula Fogarty **Session:** S2 Late Int **Classes:** 1x2day intensive lectures **Assessment:** 1x2000word individual essay (90%) and Attendance (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip P H, M Int P H, M P H, M P H (Honours).

This unit is a short course of two days duration. It provides candidates with a general overview of common health issues for travelers to tropical regions and emerging travel-related diseases and methods for prevention and control of these diseases. It also takes a general look at travel/public health regulations associated with outbreaks/disasters. It is particularly orientated towards travelers or those intending to work in tropical countries for a significant period of time.

Textbooks
Unit notes supplied by School.

MIPH5014
International Health Promotion
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Philayrath Phongsavan **Session:** Semester 2 **Classes:** 1x2hr lecture per week for 13 weeks; 1x1hr tutorial per week for seven weeks **Assessment:** 1,500 words essay (30%), 2,500 words report (50%), tutorial presentation and attendance (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip P H, M Int P H, M P H.

This unit of study aims to provide students with an understanding of the principles, theory and methods that are employed in health promotion. The unit will give attention to the full spectrum of health promotion activities, from local level initiatives to the development of national policies to achieve health goals. It will have a strong practical and methodological focus, with the objective of enabling students to develop knowledge and skills for planning, implementing and evaluating health promotion programs and policies. This unit of study provides students with opportunities to look at theory and practice in health promotion and the major health promotion issues at national and international levels. Models and methods that are commonly used in health promotion and disease prevention will be described and discussed by using real life examples. Among the major issues examined are the health impact of economic development at the national and global levels, prevention and control of cigarette smoking, non-communicable diseases, HIV/AIDS and diarrhoeal disease.

Textbooks
Unit notes supplied by School.

MIPH5112
Disease Control in Developing Countries
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr John Hall, Dr Mu Li, Dr Giselle Manalo **Session:** Semester 2 **Classes:** 13x2hr lectures per semester, 9x1hr tutorials per semester plus 2x2peer learning sessions through group presentations **Assessment:** 1xgroup presentation (15%), 1x2000 word written essay (75%), tutorial facilitation (5%), peer evaluation (5 %) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit gives candidates an insight into prevention and control of specific diseases in developing countries by using country-specific examples, presented by a wide range of professionals with direct practical experience. The unit specifically looks into the control of infectious diseases including leprosy, vector borne diseases, sexual transmitted infections (STIs), cholera and parasitic diseases that are prevalent in many parts of the world and some of the emerging infectious diseases such as avian influenza.

Textbooks
Unit notes supplied by School.

MIPH5115
Women's and Children's Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr John Hall, Dr Mu Li **Session:** Semester 2 **Classes:** 11x2hr lectures per semester, 9x1hour tutorials and 2x2peer learning sessions through group presentations **Assessment:** 1xgroup presentation (15%), 1x2500word written essay (75%), tutorial facilitation (5%), peer evaluation (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip P H, M Int P H, M P H, M P H (Honours).

This unit aims to give students an overview of the health status of women and children on an international scale. It also aims to examine causes of major health issues and possible approaches to improving the health of women and children in resource-poor settings. The unit covers a variety of issues in women's and child health, including nutritional issues, poverty and women's and child health, HIV transmission, gender and motherhood, traditional practices and early marriage, family planning, diarrhoeal disease, EPI, and case studies of women's and child health in developing countries.

Textbooks
Unit notes supplied by School.

MIPH5116
Health and Culture
Medicine

Credit points: 4 **Teacher/Coordinator:** Associate Professor Michael Dibley **Session:** Semester 2 **Classes:** 1x2day workshop, 1x2hr seminar per week for 7 weeks **Assessment:** 1x3000word essay (75%) 1x1hr class facilitation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Medical Hum, Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit aims to provide an integrated approach to an understanding of health-related behaviours of populations in international settings, by synthesizing anthropological knowledge and methodology, and the interactions of culture, biology, psychology and environment. The teaching method is by student-led, discussion based review and analysis of relevant topics. During the unit, students will explore a range of issues in international and multicultural health from an anthropological perspective. Methodological approaches will include ethnography and other anthropological data collection methods. The issues covered will include cultural influences on health, illness and healing, including traditional beliefs and systems, gender and cultural change and the impact of modernization; illness and healing, in terms of: disease and illness patterns - their distribution and persistence, mental illness and culture and attitudes towards the use of medications; the provision of culturally sensitive and appropriate services. The emphasis will be on covering a range of topic areas relevant to the students enrolled, and those of particular importance in contemporary international and multicultural health contexts.

Textbooks
Unit notes supplied by School.

MIPH5117
Diseases of Modernisation
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Rachel Huxley, Associate Professor Michael Dibley **Session:** Semester 2a **Classes:** 1x2hr seminars per week for 7 weeks **Assessment:** 1x2000word written assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit aims to provide candidates with an understanding of the causes and control of diseases associated with social and economic development and the demographic and health transitions. Topics covered in the unit include diseases of modernisation - an overview, burden and causes of cardiovascular diseases; prevention and treatment of cardiovascular diseases; cancer; nutrition and obesity; primary health care management of NCDs; public health and health promotion for NCDs - integrated NCD control programs.

Textbooks
Unit notes supplied by School.

MIPH5118
Global Perspectives of HIV/AIDS
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Lalit Dandona, Dr Mu Li **Session:** Semester 2 **Classes:** 11x2hr lectures, 9x1hr tutorials per semester plus 2x2hr peer learning sessions through group presentations1x1hr tutorial per week for 9 weeks **Assessment:** 1xgroup presentation (15%), peer evaluation (5%), 1x2000word individual assignment (75%), tutorial (5%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M P H.

This unit aims to provide candidates with an understanding of the global perspective of HIV/AIDS, so that they may work in various roles to that contribute to the reduction of the morbidity and mortality resulting from the adverse impact of the virusHIV/AIDS on societies and its associated conditions.. This unit will cover: global epidemiology; HIV surveillance;; modeling social and demographic aspects of the epidemic; approaches to control of HIV; newer interventions and technologies; impact evaluation of HIV/AIDS interventions; cultural, political and economic issues; related to HIV/AIDS challenges for communities and political leadership; the role of governments, international agencies, non-governmental organisations, NGO's and multinational academia and industry; and human rights. Examples from different parts of the world will be used to illustrate analysis of the key issues influencing the HIV/AIDS control agenda globally

Textbooks
Unit notes supplied by School.

MIPH5122
International Environmental Health
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr John Hall, Ms Christine Cowie **Session:** Semester 2 **Classes:** 1x2hr seminar per week for 7 weeks **Assessment:** 1x2000word critical appraisal (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

To provide participants with an overview of public health aspects of environmental health in international settings, and to consider the range of responses by government and other multilateral agencies. During the unit, students will consider the problems faced by government and non-government organizations to ameliorate the effects of human development on the environment. The unit will cover: international environmental health - burden of disease; hazards; risks and risk management; exposure assessment; environmental epidemiology and environmental health investigation; water supply; sanitation; housing; the household compound; and domestic smoke inhalation/ARIs; toxicology and environmental health; environmental protections and regulatory infrastructure.

Textbooks
Unit notes supplied by School.

MIPH5123
Nutrition - an International Perspective
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Mu Li, Assciate Professor Michael Dibley **Session:** S2 Intensive **Classes:** 2-day short course **Assessment:** 1x2000word essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit describes the nutritional status of populations in developing countries and examines the impact of poor nutrition on health. The students are also introduced to methods to assess community nutritional status as well as issues on food security, and nutrition policies. On completion students should be able to recognize key nutrition problems facing developing countries and understand a number of different multi-sectoral approaches to deal with these problems.

Textbooks
Unit notes supplied by School.

MIPH5124
Health Issues & Humanitarian Emergencies
Medicine

Credit points: 4 **Teacher/Coordinator:** Associate Professor Michael Dibley, Ms Bronwen Blake **Session:** S2 Late Int **Classes:** 1x4day workshop **Assessment:** workshop activity (40%), 1x2500word written assignment (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit gives students an overview of public health aspects of humanitarian emergencies in developing country situations and the range of appropriate responses. This includes considering problems faced by government and non-government organisations in humanitarian emergency relief efforts.

Textbooks
Unit notes supplied by School.

MIPH5127
Mental Disorders in Global Context
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Maree Hackett, Professor Craig Anderson **Session:** S2 Late Int **Classes:** 1x2day workshop **Assessment:** 1x2000word essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This unit aims to present an overview and critique of mental disorders in an international context. It covers broad issues related to the classification of mental and substance use disorders, their prevalence and population burden and their biological, environmental and cultural determinants. While the focus of the module is on international epidemiology, the course also aims to promote understanding of the economic and humanitarian implications of the burden of mental and substance use disorders for prevention, treatment and health policy. The unit will cover what a mental disorder is, how frequent and how disabling mental disorders are and what the major correlates and determinants of mental disorders are. Students will look at the problems of greatest burden: depression and anxiety disorders, psychosis and dementia, suicide and substance use disorders with a focus on health policy.

Textbooks
Unit notes supplied by School.

MIPH5128
Dissertation A
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int P H.

MIPH5129
Dissertation B
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int P H.

MIPH5130
Dissertation C
Medicine

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Int P H.

MIPH5131
Foundations of International Health

Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Michael Dibley, Dr John Hall **Session:** Semester 1 **Classes:** 1x2day workshop, 12x2hr lectures **Assessment:** 1x1000word essay (20%), 1x40min group presentation (35%), 1x2500word report (35%) and tutorial facilitation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, M Int P H, M Int P H (Hons).

This unit aims to provide candidates with: a multidisciplinary perspective on health and development in developing country populations, spanning anthropology, human geography, economics, sociology, political science and demography; an understanding of the major themes and theories of social and economic development, and their practical applications particularly in relation to health and disease; competencies to participate in situational analyses that link health and disease in populations to wider aspects of culture and economic and social development - and be able to use these linkages in programs of disease prevention and control, and in health promotion; the competency to analyse the origins and responses to current international health issues; an understanding the structure and functions, and strengths and weaknesses of organizations in international health; and opportunities and skills to work collaboratively and effectively on researching and presenting findings on important aspects of international health, as part of a team of candidates of diverse cultural and professional background. This unit covers material related to the interplay between health and development, and includes: concepts of health and development, demographic and health transitions, education, urbanization and migration, culture and health, poverty and development, the Millennium Development Goals, religion, gender, and food and agriculture. This unit examines key current issues in international health and organizations working in the area. Topics covering organizations will include non-government organizations, the World Bank, AusAid and consultancy organizations, the World Health Organisation, and UNICEF. Topics covering current issues will include primary health care, refugee health, and health sector financing.

Textbooks
Unit notes supplied by School.

MIPH5132
Disease Priorities and Social Methods
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr. Mu Li, Associate Professor Susan Quine, Dr Giselle Manalo **Session:** Semester 1 **Classes:** 12x2hr lectures and 9x1hr tutorials per semester plus 1x2day short course on social research methods **Assessment:** 1x2000word assignment (40%), 1xquestionnaire (30%), 1x1hr written examination (25%) and tutorial (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, M Int P H, M Int P H (Hons).

This unit introduces candidates to the methods used in applied social research, both quantitative and qualitative, and provides candidates with an understanding of the major conditions responsible for illness and premature mortality in developing countries, and their magnitude, causes, and control. The unit will enable candidates to acquire 'hands on' experience in the use of the social research data collection methods and the skills to apply the theory and practice of those methods in the design and implementation of disease control and health promotion programs in developing country populations based on a solid understanding of the biological, environmental and behavioural aspects of the major health problems, including socio cultural determinants. Topics covered in the unit will include the global burden of disease, assessment of health and disease in populations; methods for conducting applied social research; approaches to communicable disease control, prevention and control of non-communicable diseases and injury; the situational relevance of quantitative and qualitative research methods; burden and control of HIV/AIDS, epidemiology and control of tuberculosis, control of malaria, under nutrition, mental health in international settings, and diarrhea and acute respiratory infections in children; the potential benefits of combining methods for the investigation of health related outcomes.

Textbooks
Unit notes supplied by School.

MIPH5218
Economics and Global Pharmaceuticals
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Glenn Salkeld **Session:** S2 Intensive **Classes:** 1x2hr lecture per week for 7 weeks **Assessment:** 1x2000word essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M P H.

Access to pharmaceuticals is an important and highly contested issue worldwide. Solutions to problems of access cannot be developed without: an understanding of the dimensions; structure and workings of global pharmaceutical market; and a grasp of key concepts relating to the use of essential drug lists, rational; drug use, intellectual property, international trade, and the application of cost-effectiveness principles to pricing and reimbursement. This unit focuses on the affordability of, and access to, pharmaceuticals in developing countries. The unit will characterise the global pharmaceutical market as driven predominantly by political and economic forces, while acknowledging the broader context of health and human rights. Key concepts to be covered relate to the use of essential drug lists; rational drug use; intellectual property; international trade; access, affordability and the application of cost-effectiveness principles to pricing and reimbursement. Specific sessions will focus on HIV/AIDS; recent bilateral and multilateral trade agreements trade agreements; actual case studies in access; and pharmaceutical industry marketing practices. The unit will present a range of viewpoints on each issue canvassed (including the pharmaceutical industry and non-government/activist organisations).

MIPH5219
International Health Project Management
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Mu Li, Mr Noore Alam, Mr Michael O'Rourke, Dr John Hall **Session:** Semester 2 **Classes:** 12x2hr lec/wk, 1x1day workshop, and 6x1hr tutorials **Assessment:** 1x1hr group presentation (20%) and group participation (10%), 1xgroup written assignment (30%), 1x1500wd individual assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Int P H, M P H.

Effective international health projects management contributes to the achievement of health and development in developing countries. The Unit aims to give students a good understanding of the concepts and key elements of the Logical Framework Approach (LFA) and project life cycle, and to demonstrate tools and techniques used in effective project management at different stages, including project planning, implementation and evaluation. A detailed step by step application of LFA in project design will be presented, including stakeholder analysis and cross-cutting issues analysis, problem and objective trees, and the logframe matrix. The Unit also gives students an opportunity for hands-on practice through the design of a project in international setting and allows them to consider the challenges and practical issues faced by people involved in international health project management. The key topic areas covered include: concepts and principles of international project management; context and situation analysis; key stages of project development; the LFA for project design; project management functions including managing information, resources, risk, quality and change; post project issues of evaluation and sustainability.

MKTG5001
Marketing Principles
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Late **Classes:** 3 hrs per week **Assessment:** In-class quizzes; Final exam; Team assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert I T, Grad Cert Int Bus, Grad Cert Mktg, Grad Cert P A, Grad Cert US Stud, M Bus, M E S (Manuf Com Bus Man), M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange, PG Summer/Winter School.

This unit introduces students to the basic principles and language of marketing theory and practice. Marketing principles are examined in relation to a wide variety of products and services, in both commercial and non-commercial domains. A strong emphasis is placed on strategy planning and the marketing decision process. Students learn via the analysis of case studies drawn from the Asia-Pacific region, as well as the USA. The unit is presented in four sections. These are: (a) introduction to marketing and the marketing management process, (b) strategic issues in marketing - focusing on the preliminary analyses that are required before a marketing decision can be made, (c) the marketing mix - a detailed look at the components that make up a marketing plan, and (d) marketing planning, implementation and control processes. Students gain practical experience in analysing marketing situations and developing a comprehensive marketing plan.

MKTG5002
The Psychology of Business Decisions
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prohibitions:** MKTG6022 **Assessment:** Mid-semester examination, group and individual project presentation, assignment, final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert Int Bus, Grad Cert Mktg, M Bus, M Com (Hons), PG Coursework Exchange.

Given limitations in their ability to process information, humans adopt a variety of heurstics or "rules of thumb" when making judgements or decisions regarding business problems, product choice and consumption options, and in their personal lives. The evolution of these heurstics over time has ensured that they produce generally good outcomes across a variety of contexts. However, they also lead to systematic, and sometimes substantial, errors in certain cases. This unit of study will help students understand biases in human decision making, and how they influence business and consumer decisions in everyday life. For each decision domain, the psychological heuristic is contrasted with the logical rule for producing an optimal outcome.

MKTG6001
Marketing Research Concepts
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** Group research project; Individual essay; Short individual report; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange.

This unit provides an introduction to marketing research and an overview of the industry. The major components of marketing research projects are discussed and students gain an insight into understanding and structuring research problems. The unit also gives an overview of primary, secondary and internal sources of data as well as advanced methods and techniques of research.

MKTG6003
Marketing Strategy
Economics and Business

Credit points: 6 **Session:** Semester 1b, Semester 2, Summer Main **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** In-class participation; Case study; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange, PG Summer/Winter School.

A survey of marketing strategy and planning. Topics include: environmental and situational analyses; SWOT analysis; alternative identification and evaluation; marketing research to inform strategic decision making; selection of alternatives and implementation of strategy; the role of the marketing mix elements in marketing strategy; sustainable and non-sustainable advantages; competitive intelligence; the strategic role of quality; monitoring customer satisfaction; problem and opportunity identification.

MKTG6004
New Product Development
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** Mid-semester exam; Group presentations; Final exam; Group project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange.

New products and services are crucial to successful growth and increased profits in many industries. Students are introduced to the development and marketing of new products and services in both the private and public sectors. A product development assignment is carried out to reinforce the material covered and to provide realistic examples of how new products are designed, tested and launched.

MKTG6005
Marketing Communications
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** In-class participation; Individual assignments; Mid-semester exam; Group project; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange.

This unit provides a theoretical and practical perspective on the role of marketing communications in the marketing process, planning and implementation. The unit focuses on the role of different media (television, radio, print, outdoor, cinema, Internet) and covers various aspects of advertising and promotions management including: mass media advertising, in-store advertising, sales promotion, public relations, sponsorships, and personal selling.

MKTG6006
Creative Communications in Marketing
Economics and Business

Credit points: 6 **Session:** Semester 2b **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** Individual participation; One individual assignment; One midterm exam; One group project; One final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Cert Pub, Grad Dip Com, M Bus, PG Coursework Exchange.

The nineties saw a shift in the focus of creative communication decisions from the traditional advertising agencies to specialist creative services providers. Alternative ways to produce, implement and monitor creative communications have been developed. This unit explores changes that have taken place and focuses on new principles of developing and evaluating creative communications, which traditional advertising agencies have been slow to recognise and respond to. Topics include: developments in media/ modes of delivery; implications of the shift from ownership towards access; the role of the visual in cross marketing; attitudinal monitoring; and issues related to client relationship.

MKTG6007
Consumer Behaviour
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Late **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** In-class participation; Individual assignments; Mid-term exam; Group project; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange, PG Summer/Winter School.

This unit explores the processes that govern why consumers buy (and don't buy), and what possessions mean to them. Students learn to apply the concepts, principles, and theories from various social sciences to the study of factors that influence the acquisition and consumption of products, services and ideas. Specifically, principles from economics, psychology, sociology, social psychology, cultural anthropology and human geography are used to describe and explain consumer behaviour.

MKTG6013
International and Global Marketing
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Late, Winter Main **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** In-class participation; International business theatre; Individual case analysis report; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Cert US Stud, Grad Dip Com, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange, PG Summer/Winter School.

This unit introduces students to international marketing using the marketing concept. It firstly considers environmental factors and then studies how marketing strategies are affected by those environmental factors. It aims to give students an awareness and understanding of international marketing concepts and highlight their importance in a rapidly changing global economy. Additionally it aims to develop student skills in designing and implementing marketing strategies in diverse international and global contexts.

MKTG6015
Electronic Marketing
Economics and Business

Credit points: 6 **Session:** Winter Main **Classes:** Intensive **Prerequisites:** MKTG5001 **Assessment:** Presentation of e-marketing plan; In-class participation; Case analysis; E-marketing plan and website Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert I T, Grad Cert Mktg, Grad Dip Com, Grad Dip I T, M Bus, PG Coursework Exchange, PG Summer/Winter School.

This unit introduces students to emerging interactive technologies. The primary focus is on the Internet and its impact on every aspect of marketing strategy. At present, every function within marketing is fundamentally changed by these interactive technologies. Consequently, there is a clear need for marketing students and practitioners to understand how these new technologies can be combined with traditional marketing techniques. An objective of this unit is to equip students with a working knowledge of the principles and techniques of electronic marketing. Additionally it explores the similarities and differences between using the traditional and new technologies in the marketing context.

MKTG6016
Brand Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2a **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** Individual participation; Individual assignment; Midterm test; Group project; Two hour written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Cert P A, Grad Dip Com, M Bus, PG Coursework Exchange.

The most important intangible asset of any business is its brand. The company's name, symbols and slogans along with their underlying associations, perceived quality, name awareness, customer base and related proprietary resources form the basis for brand equity. Most new brands that are introduced, fail because of the lack of proper market research and analysis about positioning. The core of successfully establishing a brand lies in accurate positioning strategies. This unit helps students understand the concept of brand equity and the management of brand assets by learning to strategically create, position, develop and protect brand equity.

MKTG6019
Marketing in the Asia-Pacific Region
Economics and Business

Credit points: 6 **Session:** Semester 2b **Classes:** Block intensive **Prerequisites:** MKTG5001 **Assessment:** Two individual assignments; Two team assignments; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, PG Coursework Exchange.

Over 75% of students currently enrolled in Marketing are likely to pursue careers where their exclusive or major focus will be the Asia Pacific region. This course is intended to encompass both perspectives that will be of interest to such students (the external view, where companies are entering Asia Pacific markets, and the internal view, where marketers are looking to improve existing positions in these markets). The specific learning outcomes of this unit of study include (but are not limited to): (a) an awareness of major environmental characteristics of Asia Pacific economies and how these impact development of marketing strategies, (b) the ability to develop a potentially successful marketing plan for implementation in the region., and (c) knowledge of likely pitfalls (and how to avoid or minimise them) for the implementation of marketing plans in specific markets in the region.

MKTG6020
Business Marketing
Economics and Business

Credit points: 6 **Session:** Semester 1a **Classes:** Block intensive **Prerequisites:** MKTG5001 **Assessment:** May include: Written report; Topic seminar; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange.

Business marketing is concerned with the marketing of products and services to other businesses and institutions. It involves selecting, developing and managing customer relationships in line with the skills, resources, strategy and objectives of both the supplier and customer companies. Traditionally, business marketing was approached using the '4P's' framework. This unit exposes students not only to the traditional view but contrasts that approach with the interactions, relationships and networks approach to business marketing. The unit aims to develop students into more complete marketers, capable of operating within the dynamic business marketing environment.

MKTG6103
Services Marketing
Economics and Business

Credit points: 6 **Session:** Semester 2, Summer Late **Classes:** 3 hrs per week **Prerequisites:** MKTG5001 **Assessment:** Individual assignment; Quiz; Group presentation; Final exam; Class discussion; Participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mktg, Grad Dip Com, M Bus, PG Coursework Exchange, PG Summer/Winter School.

Today's economy is dominated by service industries. Service industries account for almost 80 per cent of Australia's GDP and will generate virtually all the growth in new jobs. It is acknowledged that there are significant differences between services marketing and goods marketing. Unfortunately, most traditional marketing texts primarily focus on the marketing of physical goods. While these texts obviously provide valuable learning and insight, they are inadequate in preparing students for the marketing skills required in today's dynamic and service-based economies. This unit is designed to prepare students for senior marketing roles in today's "new" economy. It explores the unique characteristics of services organisations and distinctive marketing approaches required for success.

MKTG7001
Marketing Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

MKTG7002
Marketing Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

MKTG7010
Special Topic in Marketing Research 1
Economics and Business

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1, Semester 2 **Assessment:** Academic research manuscript **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: MPhil and PhD students only.

Associated degrees: M Phil (Economics), Ph D.

This unit of study will build upon students' existing understanding of research methods, paradigms, and underlying philosophies. It is intended to introduce PhD students in the Faculty of Economics and Business to a broad range of methodological skills typically used in marketing research. Specific topics will vary from one year to the next. This unit may be taught by current members of academic staff or by international scholars visiting the Faculty of Economics and Business. The learning in this unit of study will provide students with some of the basic research skills needed for conducting academic research, for learning new research methods not directly related to their PhD thesis, and for learning how to publish research in top international journals. The research report comprising the major component of student assessment will be evaluated according whether it can be published in: (a) a top international journal, (b) top regional journal, (c) an international refereed conference proceedings, or (d) a national conference proceedings. Students will be strongly encouraged to submit the final research report for publication after the unit has been completed.

MKTG7020
Special Topic in Marketing Research 2
Economics and Business

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1, Semester 2 **Assessment:** Academic research manuscript **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: MPhil and PhD students only.

Associated degrees: M Phil (Economics), Ph D.

This unit of study will build upon students' existing understanding of research methods, paradigms, and underlying philosophies. It is intended to introduce PhD students in the Faculty of Economics and Business to a broad range of methodological skills typically used in marketing research. Specific topics will vary from one year to the next. This unit may be taught by current members of academic staff or by international scholars visiting the Faculty of Economics and Business. The learning in this unit of study will provide students with some of the basic research skills needed for conducting academic research, for learning new research methods not directly related to their PhD thesis, and for learning how to publish research in top international journals. The research report comprising the major component of student assessment will be evaluated according whether it can be published in: (a) a top international journal, (b) top regional journal, (c) an international refereed conference proceedings, or (d) a national conference proceedings. Students will be strongly encouraged to submit the final research report for publication after the unit has been completed.

MKTG7030
Special Topic in Marketing Research 3
Economics and Business

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1, Semester 2 **Assessment:** Academic research manuscript **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: MPhil and PhD students only.

Associated degrees: M Phil (Economics), Ph D.

This unit of study will build upon students' existing understanding of research methods, paradigms, and underlying philosophies. It is intended to introduce PhD students in the Faculty of Economics and Business to a broad range of methodological skills typically used in marketing research. Specific topics will vary from one year to the next. This unit may be taught by current members of academic staff or by international scholars visiting the Faculty of Economics and Business. The learning in this unit of study will provide students with some of the basic research skills needed for conducting academic research, for learning new research methods not directly related to their PhD thesis, and for learning how to publish research in top international journals. The research report comprising the major component of student assessment will be evaluated according whether it can be published in: (a) a top international journal, (b) top regional journal, (c) an international refereed conference proceedings, or (d) a national conference proceedings. Students will be strongly encouraged to submit the final research report for publication after the unit has been completed.

MKTG7040
Special Topic in Marketing Research 4
Economics and Business

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1, Semester 2 **Assessment:** Academic research manuscript **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: MPhil and PhD students only.

Associated degrees: M Phil (Economics), Ph D.

This unit of study will build upon students' existing understanding of research methods, paradigms, and underlying philosophies. It is intended to introduce PhD students in the Faculty of Economics and Business to a broad range of methodological skills typically used in marketing research. Specific topics will vary from one year to the next. This unit may be taught by current members of academic staff or by international scholars visiting the Faculty of Economics and Business. The learning in this unit of study will provide students with some of the basic research skills needed for conducting academic research, for learning new research methods not directly related to their PhD thesis, and for learning how to publish research in top international journals. The research report comprising the major component of student assessment will be evaluated according whether it can be published in: (a) a top international journal, (b) top regional journal, (c) an international refereed conference proceedings, or (d) a national conference proceedings. Students will be strongly encouraged to submit the final research report for publication after the unit has been completed.

MMDE5001
Interactive Media Project Major 1
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 1 **Classes:** 3 hours per week **Corequisites:** MMDE5011 or MMDE5012 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

This unit provides students with a strong basis in the processes associated with the design, development and implementation of an interactive website. Students are provided both with an historical and conceptual framework in which to conceive of and develop their own online projects. They will learn a range of approaches to interactive

authoring for the web, including models of visual communication and the principles of effective screen design. Students will also learn the principles of user-interface design and navigational architecture for web-based work. Within this unit students are encouraged to critically engage with the implementation of media and interactivity in the online environment. Students work individually to produce a set of professional standard production documents, as well as writing a research paper that examines the conceptual issues associated with online, interactive development and implementation.

Textbooks
Refer to Studio Reading List

MMDE5002
Interactive Media Project Major 2
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 2 **Classes:** 3 hours per week **Corequisites:** MMDE5011 or MMDE5012 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

This unit provides students with a strong basis in the processes associated with the design, development and implementation of desktop-based, interactive applications (CD-ROM, information kiosk, interactive screen-based installation work etc). Students are provided both with an historical and conceptual framework in which to conceive of and develop their own projects. They will learn a range of approaches to interactive authoring including models of visual communication and the principles of effective screen design for multimedia. Students will also learn the principles of user-interface design and navigational architecture. Within this unit students are encouraged to critically engage with the implementation of media and interactivity in relation to the multimedia experience. Students work individually to produce a set of professional standard pre-production documents as well as a final dossier that documents the development and implementation of their major project.

Textbooks
Refer to Studio Reading List

MMDE5011
Interactive Media Practice Seminar 1
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

This unit provides students with the technical skills to design, develop and publish an interactive website or interactive, desktop-based application (CD-ROM, information kiosk, interactive screen-based installation work etc). This is done through the lecture-based presentation of technical examples that are supported by in-class exercises. Students are taught current web authoring tools such as Macromedia Flash, Dreamweaver and Fireworks, and are introduced to the possibilities of scripting for interactivity using Actionscript and Javascript. This series of workshops also covers the specifics of media preparation, with lectures dedicated to digital sound and video production for online delivery. Students apply the knowledge gained in this unit to the design and development of their major project.

Textbooks
Refer to Studio Reading List

MMDE5012
Interactive Media Practice Seminar 2
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week **Prerequisites:** MMDE5011 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

This unit provides students with further technical skills related to the design and development of websites and interactive, desktop-based applications (CD-ROM, information kiosk, interactive screen-based installation work, etc). This is done through the lecture-based presentation of technical examples that are supported by in-class exercises. Students are taught current multimedia authoring tools such as Macromedia Flash and are taught to extend the possibilities of scripting for interactivity using Actionscript. This series of workshops also covers the specifics of media preparation, with lectures dedicated to digital sound and video production. Students apply the knowledge gained in this unit to the design and development of their major project.

Textbooks
Refer to Studio Reading List

MMDE6001
History and Theory of New Media 1
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 1 **Classes:** 1 hour lecture, 2 hours tutorial, per week **Assessment:** The assessment for this unit of study will be continuous and ongoing, with two key assessment tasks: active participation in tutorial discussion groups, including completion of reading-related exercises; and a 2000-word essay based on issues covered in the unit on a topic set by the lecturer. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

The aim of this unit of study is to provide students with a theoretical understanding of new media forms in relation to networked space and, more specifically, the internet. The unit provides both an historical overview and critical perspective to a range of approaches and forms that have emerged in direct relationship to the possibilities of networked space. A range of internet-based art and design projects will be examined and discussed in relation to key concepts surrounding new media. This unit will allow students to conceptualise and situate their practice both in terms of media-specific debates and the broader context of contemporary art and media discourses.

Textbooks
Refer to Studio Reading List

MMDE6002
History and Theory of New Media 2
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 2 **Classes:** one hour of lecture and 2 hours of tutorial per week **Assessment:** The assessment for this unit of study will be continuous and ongoing, with two key assessment tasks: active participation in tutorial discussion groups, including completion of reading-related exercises; and a 2000-word essay based on issues covered in the unit on a topic set by the lecturer. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

The aim of this unit of study is to provide students with an historical and theoretical introduction to new media in specific relation to narrative structure(s) and interactivity. The unit will consider contemporary new media practice in terms of its ability to question and reinvent the dominant narrative form of single screen cinema and the shifting role of the viewer. A number of key writings concerned with both emergence of new media and its historical precedents will be examined. In support of this, a diverse range of related materials, ranging from pre-cinematic animation to contemporary database cinema experiments, will also be considered. Historical strategies and forms such as repetition, spatial montage and immersive environments will be examined in relation to contemporary media art practices. Related materials and artworks will include cd-rom, video, film, sound and installation.

Textbooks
Refer to Studio Reading List

MMDE6101
Animation for Interactive Media & Video

Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Ryszard Dabek **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week **Assessment:** The assessment for this unit of study will be continuous and ongoing, with two key assessment tasks: development of a paper-based, pre-production documentation for an animation project; and an animation project to be developed with an academic advisor and presented for examination as either a DVD or online work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M I D M, M M Des.

The aim of this unit of study is to give students a comprehensive understanding of techniques and approaches for creating animated sequences for use in interactive media and video. Through a combination of film/video screenings, tutorials and practical studio workshops, students will be provided with an understanding of the creative potential of animation. A range of digital and camera-based techniques will be explored, including the use of software programs such as Flash. Students will learn techniques such as rotoscoping, frame-by-frame animation and stop-frame animation. During the semester each student will complete a short animation project that will be developed, along with supporting paper-based designs, in consultation with an academic advisor.

Textbooks
Refer to Studio Reading List

MMHU6901
Medicine and War
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 2 **Classes:** 1x2hr seminar/week **Assessment:** 2xarticle summaries and critical assessment 750words each; 1xresearch essay - 3500words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Lib Stud, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Dip Med Hum, Grad Dip Medical Hum, M Med Hum, M Medical Hum, PG Coursework Exchange.

In this unit we will examine the links between medicine and war. This will be done both through substantive topics and through exposure to different intellectual and methodological approaches drawn from the humanities and social sciences, such as communicable diseases; new psychiatric problems and techniques; torture; ethical considerations concerning the involvement of the medical profession; the representation of medicine and war in literature and film (eg Pat Barker's Regeneration trilogy); and in the visual arts (e.g. Picasso's Guernica).

Textbooks
Barker P. Regeneration. Penguin, 1992

MMHU6902
Independent Study
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 1, Semester 2 **Classes:** 1hr/week supervision **Assessment:** 1xresearch essay 4-5000words; 2x750word pass/fail exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Lib Stud, Grad Cert Med Ed, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Dip Med Ed, Grad Dip Med Hum, Grad Dip Medical Hum, M Med Ed, M Med Hum, M Medical Hum.

This unit will provide an opportunity for approved candidates to pursue an extended project under supervision. Students will be expected to discuss and plan the project with their supervisor, then submit drafted material to an agreed timetable, and to discuss this drafted material with their supervisor before submitting a final draft.

Textbooks
A course reader will be supplied

MMHU6903
Key Concepts in Medical Humanities
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 1 **Classes:** 1x2hr seminar/week **Assessment:** 1xseminar presentation 1500words; 1xessay 3500words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Lib Stud, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Dip Med Hum, Grad Dip Medical Hum, M Med Hum, M Medical Hum, PG Coursework Exchange.

This unit will introduce key concepts in history, philosophy, ethics, literature and art related to medicine and health practices. The primary focus is on the human experience of illness and health care and the principal aim of the unit is to promote critical thinking and self-directed inquiry in analysing medicine as a privileged knowledge system.

Textbooks
Susan Sontag. Illness as Metaphor. Vintage, 1977.
A course reader will be supplied.

MMHU6905
Medicine and Music
Medicine

Credit points: 6 **Teacher/Coordinator:** Prof Michael Field, Prof Jack Carmody **Session:** Semester 2 **Classes:** 1x2hr seminar/week **Assessment:** 1xclass presentation and short essay (1500-2000wds) + 1 research essay (3000-3500wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Lib Stud, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Dip Med Hum, Grad Dip Medical Hum, M Med Hum, M Medical Hum, PG Coursework Exchange.

In this unit, we will examine the links between medicine and music, through substantive topics and exposure to different intellectual and methodological approaches drawn from the humanities and social sciences. Areas for discussion include music and well-being; music and healing; the psychological and physiological basis of music appreciation and the existence of phenomena such as the 'idiot savant'; the place and role of music therapy, especially in relation to psychiatric disorders (e.g. autistic spectrum disorders in children); various historical connections (e.g. doctors as musicians, and the impact of illness on composers).

MOBT5101
Applied Molecular Biotechnology A
Science

Credit points: 12 **Teacher/Coordinator:** Dr Neville Firth **Session:** Semester 1 **Classes:** 1 two hour lecture and 1 one hour turorial per week **Assessment:** Continuous assessment throughout semester, end of semester examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (M B T), Grad Dip App Sc (M B T), PG Coursework Exchange.

This unit of study provides a solid foundation for education and training in applied molecular biotechnology. Classes emphasise molecular biology and genetics combined with essential aspects underscoring modern molecular biotechnology.

Textbooks
Required text: Acquaah, G. 2004, Understanding Biotechnology, Pearson Prentice Hall, New Jersey.
Recommended text: Glick, B. and Pasternak J. 2003, Molecular Biotechnology: Principles and Applications of Recombinant DNA", third edition, ASM Press, Washington.

MOBT5102
Applied Molecular Biotechnology B
Science

Credit points: 12 **Teacher/Coordinator:** Dr Matthew Todd **Session:** Semester 2 **Classes:** 1 two hour lecture and 1 one hour turorial per week **Assessment:** Continuous assessment throughout semester, end of semester examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (M B T), Grad Dip App Sc (M B T), PG Coursework Exchange.

Applied molecular biotechnology B broadens knowledge of and training in applications of the field. Key areas of molecular biology and genetics are combined with studies embracing major issues in modern molecular biotechnology, and are illustrated by examples and case studies.

Textbooks
Required text: Acquaah, G. 2004, Understanding Biotechnology, Pearson Prentice Hall, New Jersey.

Recommended text: Glick, B. and Pasternak J. 2003, Molecular Biotechnology: Principles and Applications of Recombinant DNA", third edition, ASM Press, Washington.

MOBT5201
Applied Molecular Biotech A (Theory)
Science

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Downard Dr Neville Firth Prof Tony Weiss **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** BCHM3098, BCHM5001, MOBT5101 **Assessment:** one 2 hour theory exam (70%) and in semester assessments (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: For Stream A and Stream B students.

Associated degrees: Grad Cert App Sc (Bioinformatics), PG Coursework Exchange.

This unit of study comprises the lecture component of MOBT5101.

MOBT5303
Applied Molecular Biotech C (Project)
Science

Credit points: 6 **Teacher/Coordinator:** A/Prof Kevin Downard **Session:** Semester 1, Semester 2 **Prerequisites:** MOBT (5101 or 5102). **Prohibitions:** MOBT5103 **Assessment:** Report (60%) and individual/group poster and presentation (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is available to students in the Master of Applied Science (Molecular Biotechnology) only.

Associated degrees: M Appl Sc (M B T), PG Coursework Exchange.

This unit of study provides students with the opportunity to undertake hands-on experience in the biotechnology industry. This will typically involve placement in an approved industry partner's facility on a part-time basis or a case study project conducted in association with an industry affiliate. Entry to an industry placement is limited by a quota and the availability of facilities and projects. Results obtained in MOBT units of study undertaken in the preceding semester (in theory and practical components) will decide whether students are assigned to placements or case study projects. All students enrolled in this unit are required to complete an industry placement suitability survey which will also be taken into consideration. Assessment is based on a student's performance in their placement or project, a report, poster and presentation.

MODP5001
Documentary Photo Project Major 1
Sydney College of the Arts

Credit points: 12 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** Seminars - 3 hours per week; Placement - 6 hours per week; Workshop - 3 hours per week; other (Tutorial/Lab) - 3 hours per week; total of 15 hours of contact per week. Lecturer and directed contact over 12 weeks, plus self-directed study; total student ef **Corequisites:** MODP5011 and MODP6001 **Assessment:** Students are required to present a proposed area of investigation at the beginning of the semester and are expected to work on their projects throughout the semester. They will present their developing work for discussion in regular group critiques and individual tutorials with relevant academic staff. Work from the project will be presented for assessment at the end of the semester to a panel of academics. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D P.

The aim of this unit of study is to introduce students to the conceptual and technical means necessary to develop a Documentary Photography project - both in book form and for exhibition. Students are required to put forward a proposal for a year-long, self-initiated documentary photography project outlining the two components. This unit will be supported by regular seminars, readings and video screenings and consultations with an academic adviser. The submission of work in progress and documents highlighting the planning and production stages of the project are a requirement. Students, in consultation with an academic adviser, will work individually to produce a studio project to be completed for assessment at the end of the semester.

By the end of this unit of study students will be able to engage in documentary practice in a developing manner. They will be expected to explore their interests in documentary image making through the production of imagery through self-initiated projects.

Textbooks
Refer to Studio Reading List.

MODP5002
Documentary Photo Project Major 2
Sydney College of the Arts

Credit points: 12 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** Seminars - 3 hours per week; Placement - 6 hours per week; Workshop - 3 hours per week; other (Tutorial/ Lab) - 3 hours per week; total of 15 hours of contact per week. Lecturer and directed contact over 12 weeks, plus self-directed study; total student e **Prerequisites:** MODP5001 **Corequisites:** MODP5012 and MODP6002 **Assessment:** Students are required to present a proposed area of investigation at the beginning of the semester and are expected to work on their projects throughout the semester. They will present their developing work for discussion in regular group critiques and individual tutorials with relevant academic staff. Work from the project will be presented for assessment at the end of the semester to a panel of academics. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D P.

The aim of this unit of study is to consolidate and expand conceptually, aesthetically and technically a documentary photography project initiated in the Documentary Photo Project Major 1 unit of study. Students will work individually to complete a major studio-based project at an advanced level - as a book, exhibition prints and digital portfolio - for assessment at the end of semester. The studio project is to be developed in consultation with an academic adviser. The unit will be supported by regular seminars, readings and video screenings and consultations with an academic adviser. The submission of work in progress and documents highlighting the planning and production stages of the project are requirements.

By the end of this unit of study students will be able to engage in documentary practice in an advanced manner. They will be expected to explore their interests in documentary image making through the production of imagery based on individual projects.

Textbooks
Refer to Studio Reading List.

MODP5011
Documentary Photo Practice Seminar 1
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** Workshop - 3 hours per week; Other (Tutorial/Lab) - 2 hours per week; Total - 5 hours per week. Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Corequisites:** MODP5001 and MODP6001 **Assessment:** Students are expected to attend the classes regularly, to participate in workshops, discussions and individual consultations, to complete all project work by the required dates and to present this work for assessment by the end of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D P.

This unit of study is designed to give students proficiency in the use of equipment and facilities they will use in the production of studio-based works. The unit will be supported by a series of workshops. The workshops will consist of technical demonstrations, studio and location exercises and group workshop activities. The unit will provide an overview of the following: working with digital still equipment, using Photoshop in the production process, an introduction to scanning film and large format ink jet printers and working with electronic flash in the studio and on location. The completion of all workshop exercises and projects is a requirement. This unit of study aims to enable students to develop technical skills in digital image making, photoshop, inkjet printing and studio lighting. The key focus of this unit is for students to develop technical skills and to utilise these in their project work from the Major unit of study. This unit will flow into Documentary Photo Practice Seminar 2.

By the end of this unit students will have a cross-section of technical skills related to documentary image making and be able to utilise these in their project work from the Major unit of study.

Textbooks
Refer to Studio Reading List.

MODP5012
Documentary Photo Practice Seminar 2
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** Workshop - 3 hours per week; Other (Tutorial/ Lab) - 2 hours per week; Total - 5 hours per week. Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Prerequisites:** MODP5011 **Corequisites:** MODP5002 and MODP6002 **Assessment:** Students are expected to attend the classes regularly, to participate in workshops, discussions and individual consultations, to complete all project work by the required dates and to present this work for assessment by the end of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D P.

This unit of study is designed to consolidate proficiency and skills in the use of equipment and facilities that students have used in the production of studio-based works in Documentary Photo Practice Seminar 1. This unit will be supported by a workshop program consisting of technical demonstrations, studio and location exercises and group workshop activities. These will include advanced Photoshop techniques, digital file preparation and ink jet printing techniques and advanced camera techniques using medium format digital cameras. The completion of all workshop exercises and projects is a requirement for Documentary Photo Practice Seminar 2. This unit of study aims to enable students to consolidate technical skills in digital image making, Photoshop, inkjet printing and studio lighting. The key focus of this unit is for students to develop advanced technical skills and to utilise these in their project work from the Major unit of study. This unit will flow from the Documentary Photo Practice Seminar 1 in the first semester.

By the end of this unit students will have a working knowledge of technical skills related to documentary image making and be able to utilise these in their project work from the Major unit of study.

Textbooks
Refer Studio Reading List.

MODP6001
History of Documentary Image Making 1
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** Lectures - 3 hours per week; Other (Tutorial/ Lab) - 2 hours per week; Total - 5 hours per week. Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Corequisites:** MODP5001 and MODP5011 **Assessment:** Students are expected to attend the classes regularly, participate in class discussions and individual tutorials and to write a 2000-word essay by the end of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D P.

This unit will consider various attempts on the part of photography's critics and theorists to define the medium of documentary image making. Topics are selected to provide a window into both documentary history and photo-criticism. This unit flows directly into the History and Theory of Documentary Image Making 2. The key focus of this unit is to enable students to discuss and analyse issues relating to historic and contemporary documentary image making.

The outcome of this unit is an ability on the student's part to write a reflective paper dealing with issues pertinent to documentary image making.

Textbooks
Refer to Studio Reading List.

MODP6002
History of Documentary Image Making 2
Sydney College of the Arts

Credit points: 6 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** Lectures - 3 hours per week; Other (Tutorial/ Lab) - 2 hours per week; Total - 5 hours per week. Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Prerequisites:** MODP6001 **Corequisites:** MODP5002 and MODP5012 **Assessment:** Students are expected to attend the classes regularly, to participate in class discussions and individual tutorials, to present a twenty-minute seminar and to write a 2000-word essay by the end of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D P.

This unit will approach documentary image making through the work of selected historical and contemporary practitioners, in order to understand documentary photography's key place in contemporary culture. This unit flows directly from History of Documentary Image Making 1. The key focus of this unit is to enable students to discuss and analyse issues relating to historic and contemporary documentary image making.

The outcome of this unit is an ability on the student's part to present a seminar and to write a reflective paper dealing with issues pertinent to documentary image making and their own documentary practice.

Textbooks
Refer to Studio Reading List.

MRSC5001
Professional Practice Radiography 1
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6 hrs/wk of lectures and tutorial,. 35 hrs/wk practical work **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This unit of study introduces the student the professional practice of diagnostic radiography. The techniques covered will include routine procedures that the student will encounter in the clinical setting. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. This unit will apply theory to practice and integrate basic applied sciences to imaging techniques. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

MRSC5002
Medical Radiation Science 1
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6 hours per week of lectures and tutorials. **Assessment:** Exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons), M N M, M N M (Hons), M R T, M R T (Hons).

This unit of study introduces the student to ionizing radiation and its interactions with matter. The physical principles of the appropriate use of ionizing radiations in the medical radiation sciences including its radio-biological effects will be covered. The student will be introduced to the fundamental principles of radiation protection and equipment. Cellular biology applicable to the medical radiation sciences will be covered.

MRSC5003
Foundations of Health Care Practice
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6 hours per week of lectures and tutorials. **Assessment:** 2 x Essays, 1 end-of-semester exam **Practical field work:** . **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons), M N M, M N M (Hons), M R T, M R T (Hons).

This unit of study introduces the student to the Australian health care system and health care delivery to the Australian public. Safety issues will be addressed concurrently with ethical and legal issues relating to professional practice. Within this unit, a library literacy module will be included. A scenario based learning approach covering healthcare, ethical and legal issues will be used with a strong emphasis on integration of concepts specific to the disciplines. An MRS specific module is included focussing on occupational radiation safety.

Textbooks

Kerridge, I, Lowe, M and McPhee, J (2005) Ethics & Law for Health Professionals, Federation Press: Sydney

MRSC5005
Professional Practice Radiography 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 4-6 hrs/wk of lectures and tutorials, 35 hrs/wk practical work **Prerequisites:** MRSC5001 Professional Practice Radiography 1 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This unit of study will develop the student's knowledge in the professional practice of diagnostic radiography. The techniques covered will build upon routine procedures that the student will encounter in the workplace. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

MRSC5008
Honours Dissertation A
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Dissertation **Assessment:** Portfolio satisfying key learning outcomes **Practical field work:** 35 hours per week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R (Hons), M N M (Hons), M R T (Hons).

This unit of study is the first of two research units incorporated into the honours pathway. Students will be introduced to the principles of research design and delivery, working at a pace reflective of an honours student. The development of an individual literature review and research proposal including ethics considerations and submission will be included.

MRSC5009
Professional Practice Nuclear Medicine 1
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 35hrs/wk **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy: 35hrs/wk **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study introduces the student to professional practice in nuclear medicine. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. This unit will apply theory to practice and integrate basic applied sciences to imaging techniques. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks
Christen P, Bernier D & Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5010
Professional Practice Nuclear Medicine 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 35hrs/wk **Prerequisites:** MRSC5009 Professional Practice Nuclear Medicine 1 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy: 35hrs/wk **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study will develop the student's knowledge in the professional practice of nuclear medicine. The techniques covered will build upon routine procedures that the student will encounter in the workplace. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks
Christen P, Bernier D and Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5011
Professional Practice Rad Therapy 1
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 35hrs/wk **Assessment:** Assignment, exam **Practical field work:** 35hrs/wk **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study introduces the student to professional practice in radiation therapy. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. This unit will apply theory to practice and integrate basic applied sciences to treatment techniques. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

MRSC5012
Professional Practice Rad Therapy 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Clinical experience: 35hrs/wk **Prerequisites:** MRSC5011 Professional Practice Rad Therapy 1 **Assessment:** Assignments/exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study will develop the students' knowledge in the professional practice of diagnostic radiography. The techniques covered will build upon routine procedures that the student will encounter in the workplace. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

MRSC5013
Professional Practice Radiography 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 4-6 hours per week of lectures and tutorials **Prerequisites:** MRSC5005 Professional Practice Radiography 2 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This unit of study will continue to develop the student's knowledge in the professional practice of diagnostic radiography. The techniques covered will introduce more specialised procedures that the student will encounter in the workplace. Anatomy, physiology and pathology will be integrated with corresponding techniques of selected body systems. Planar anatomy and imaging will be included as appropriate. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks
Bontrager KL, Lampignano J, (2005) Textbook of Radiographic Positioning and Related Anatomy, (6th ed), St Louis, Mosby Elsevier.
McQuillen Martensen K, (2005), Radiographic Image Analysis, (2nd ed), St Louis, Elsevier Saunders.
Eisenberg RL, Johnson NM, (2003), Comprehensive Radiographic Pathology (3rd ed), St Louis, Mosby.

MRSC5014
Professional Practice Radiography 4

Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 4-6 hours per week of lectures and tutorials, directed independent work, practical **Prerequisites:** MRSC5013 Professional Practice Radiography 3 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in positioning techniques and pathology **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This is the final unit of study which will complete the student's learning in professional practice of diagnostic radiography. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will critically explore variations in techniques found in the clinical setting using a problem solving approach. Students will critically evaluate current practice from an evidence based perspective. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Bontrager KL, Lampignano J, (2005) Textbook of Radiographic Positioning and Related Anatomy, (6th ed), St Louis, Mosby Elsevier.
McQuillen Martensen K, (2005), Radiographic Image Analysis, (2nd ed), St Louis, Elsevier Saunders.
Eisenberg RL, Johnson NM, (2003), Comprehensive Radiographic Pathology (3rd ed), St Louis, Mosby.

MRSC5019
Research Studies
Health Sciences

Credit points: 6 **Session:** Semester 1 **Assessment:** Assignment, nominated research presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M N M, M R T.

This unit of study builds upon Research Studies 1 and applies research skills to implement a discrete group research project. Effective data collection and critical analysis will be required. A presentation of the findings suitable for dissemination will be produced.

MRSC5021
Honours Dissertation B
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus, seminars, directed independent work **Prerequisites:** MRSC5008 Honours Dissertation A **Assessment:** Thesis dissertation and presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R (Hons), M N M (Hons), M R T (Hons).

This unit of study builds upon MRSC5008 Honours Dissertation A and is the second of two units specific to the honours pathway. Students will be expected to apply research skills to implement an individual research project. The dissertation may take the format of those approved by the faculty for a masters coursework honours dissertation.

MRSC5022
Professional Practice Nuclear Medicine 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures, directed independent work, practical **Prerequisites:** MRSC5010 Professional Practice Nuclear Medicine 2 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study will continue to develop the student's knowledge in the professional practice of nuclear medicine. The techniques covered will introduce more specialised procedures that the student will encounter in the workplace. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Christen P, Bernier D and Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5023
Professional Practice Nuclear Medicine 4
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On-campus lectures, directed independent work, practical **Prerequisites:** MRSC5022 Professional Practice Nuclear Medicine 3 **Assessment:** Assignments, exam **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This is the final unit of study which will complete the student's learning in professional practice of nuclear medicine. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology, pathology and radiopharmacy of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will critically explore variations in techniques found in the clinical setting using a problem solving approach. Students will critically evaluate current practice from an evidence based perspective. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

Textbooks

Christen P, Bernier D and Langan J, Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby (2000)

MRSC5024
Professional Practice Rad Therapy 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus lectures, directed independent work, practical **Prerequisites:** MRSC5012 Professional Practice Radiation Therapy 2 **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study will continue to develop the student's knowledge in the professional practice of radiation therapy. The techniques covered will introduce more specialised procedures that the student will encounter in the workplace. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

MRSC5025
Professional Practice Rad Therapy 4
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On-campus lectures, directed independent work, practical **Prerequisites:** MRSC5024 Professional Practice Radiation Therapy 3 **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This is the final unit of study which will complete the student's learning in professional practice of radiation therapy. The techniques covered will include routine procedures that the student will encounter in the clinical setting. The theory of anatomy, physiology and pathology of selected body systems will be taught in context with the technique. Sectional anatomy and imaging will be integrated throughout this unit. Students will critically explore variations in techniques found in the clinical setting using a problem solving approach. Students will critically evaluate current practice from an evidence based perspective. Students will be expected to supplement and broaden their learning by independent research on relevant topics.

MRSC5026
Clinical Studies Radiography 1

Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus/clinical centres **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R.

This unit of study is the first of four units in clinical education in which students are placed in the clinical environment within their respective professional fields. The unit will provide introductory clinical awareness, develop interpersonal skills and allow the application of theory to practice. The role of a diagnostic radiographer will be integrated with the professional practice subjects.

Textbooks
Students will be supplied with workbooks.

MRSC5027
Clinical Studies Radiography 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus/clinical centres **Prerequisites:** MRSC5026 Clinical Studies Radiography 1 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This unit of study is the second of four units in clinical education in which students are placed in the clinical environment. This unit will build upon student's ability to achieve competence in performing routine radiographic procedures as integrated with the professional practice subjects. Students will participate in a range of practitioner skills workshops in preparation for more complex procedures.

Textbooks
Students will be supplied with workbooks.

MRSC5028
Clinical Studies Radiography 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus/clinical sites **Prerequisites:** MRSC5027 Clinical Studies Radiography 2 OR MRSC5006 Clinical Studies 2 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M D R, M D R (Hons).

This unit of study is the third of four units in clinical education in which students are placed in the clinical environment. This unit will consolidate the student's competence in routine radiographic procedures and allow a broadening of knowledge and experience in more specialised procedures and modalities. The development of lifelong learning and professional skills are encouraged.

Textbooks
Students will be supplied with workbooks.

MRSC5029
Clinical Studies Radiography 4
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus/clinical sites **Prerequisites:** MRSC5028 Clinical Studies Radiography 3 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M D R, M D R (Hons).

This is the final unit of study in clinical education in which students are placed in the clinical environment. This unit provides the student with additional exposure and practice of more complex procedures. At the completion of this unit of study students should be competent in the knowledge and skills required for practitioner entry into the diagnostic radiography profession.

Textbooks
Students will be supplied with workbooks

MRSC5030
Clinical Studies Nuclear Medicine 1

Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus/clinical centres **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study is the first of four units in clinical education in which students are placed in the clinical environment within their respective professional fields. The unit will provide introductory clinical awareness, develop interpersonal skills and allow the application of theory to practice. The role of a nuclear medicine technologist will be integrated with the professional practice subjects.

Textbooks
Students will be supplied with workbooks.

MRSC5031
Clinical Studies Nuclear Medicine 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus/clinical centres **Prerequisites:** MRSC5030 Clinical Studies Nuclear Medicine 1 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study is the second of four units in clinical education in which students are placed in the clinical environment. This unit will build upon student's ability to achieve competence in performing routine nuclear medicine procedures as integrated with the professional practice subjects. Students will participate in a range of practitioner skills workshops in preparation for more complex procedures.

Textbooks
Students will be supplied with workbooks.

MRSC5032
Clinical Studies Nuclear Medicine 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus/clinical sites **Prerequisites:** MRSC5031 Clinical Studies Nuclear Medicine 2 OR MRSC5006 Clinical Studies 2 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M N M, M N M (Hons).

This unit of study is the third of four units in clinical education in which students are placed in the clinical environment. This unit will consolidate the student's competence in routine nuclear medicine procedures and allow a broadening of knowledge and experience in more specialised procedures and modalities. The development of lifelong learning and professional skills are encouraged.

Textbooks
Students will be supplied with workbooks

MRSC5033
Clinical Studies Nuclear Medicine 4
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus/clinical sites **Prerequisites:** MRSC5032 Clinical Studies Nuclear Medicine 3 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M N M, M N M (Hons).

This is the final unit of study in clinical education in which students are placed in the clinical environment. This unit provides the student with additional exposure and practice of more complex procedures. At the completion of this unit of study students should be competent in the knowledge and skills required for practitioner entry into the nuclear medicine profession.

Textbooks
Students will be supplied with workbooks.

MRSC5034
Clinical Studies Radiation Therapy 1

Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus/clinical centres **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study is the first of four units in clinical education in which students are placed in the clinical environment within their respective professional fields. The unit will provide introductory clinical awareness, develop interpersonal skills and allow the application of theory to practice. The role of a radiation therapist will be integrated with the professional practice subjects.

Textbooks
Students will be supplied with workbooks.

MRSC5035
Clinical Studies Radiation Therapy 2
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus/clinical centres **Prerequisites:** MRSC5034 Clinical Studies Radiation Therapy 1 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study is the second of four units in clinical education in which students are placed in the clinical environment. This unit will build upon student's ability to achieve competence in performing routine radiation therapy procedures as integrated with the professional practice subjects. Students will participate in a range of practitioner skills workshops in preparation for more complex procedures.

Textbooks
Students will be supplied with workbooks.

MRSC5036
Clinical Studies Radiation Therapy 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus/clinical sites **Prerequisites:** MRSC5035 Clinical Studies Radiation Therapy 2 OR MRSC5006 Clinical Studies 2 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M R T, M R T (Hons).

This unit of study is the third of four units in clinical education in which students are placed in the clinical environment. This unit will consolidate the student's competence in routine radiation therapy procedures and allow a broadening of knowledge and experience in more specialised procedures and modalities. The development of lifelong learning and professional skills are encouraged.

Textbooks
Students will be supplied with workbooks

MRSC5037
Clinical Studies Radiation Therapy 4
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus/clinical sites **Prerequisites:** MRSC5036 Clinical Studies Radiation Therapy 3 **Assessment:** Case studies, practical assessment, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M R T, M R T (Hons).

This is the final unit of study in clinical education in which students are placed in the clinical environment. This unit provides the student with additional exposure and practice of more complex procedures. At the completion of this unit of study students should be competent in the knowledge and skills required for practitioner entry into the radiation therapy profession.

Textbooks
Students will be supplied with workbooks.

MRSC5038
Medical Radiation Science Radiography 2
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus, lectures, directed independent work, practical **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Assignments/exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This unit of study is the second of three units which cover the physical principles of the appropriate use of ionizing radiation and quality management in diagnostic radiography. The concepts of biology, chemistry and oncology as required will be synchronized with the learning undertaken in the professional practice studies. Image production and physics of ionising radiation equipment and instrumentation will be taught.

MRSC5039
Medical Radiation Science Radiography 3
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus, lectures, directed independent work, practical **Prerequisites:** MRSC5038 Medical Radiation Science Radiography 2 **Assessment:** Assignments/exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons).

This unit of study is the final of three units which consolidates the students' knowledge of radiation physics. The application of a range of digital imaging modalities and specialised procedures will be covered. Image manipulation and storage will be included. A diagnostic radiography module related to recent advances in practice will complete this unit.

MRSC5040
Medical Radiation Science Nuclear Med 2
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus, lectures, directed independent work, practical **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Assignments/exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study is the second of three units which cover the physical principles of the appropriate use of ionizing radiation and quality management in nuclear medicine technology. The concepts of biology, chemistry and oncology as required will be synchronized with the learning undertaken in the professional practice studies. Image production and physics of ionising radiation equipment and instrumentation will be taught.

MRSC5041
Medical Radiation Science Nuclear Med 3
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus, lectures, directed independent work, practical **Prerequisites:** MRSC5040 Medical Radiation Science Nuclear Med 2 **Assessment:** Assignments, exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N M, M N M (Hons).

This unit of study is the final of three units which consolidates the students' knowledge of radiation physics. The application of a range of digital imaging modalities and specialised procedures will be covered. Image manipulation and storage will be included. A nuclear medicine module related to recent advances in practice will complete this unit.

MRSC5042
Medical Radiation Science Rad Therapy 2
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus, lectures, directed independent work, practical **Prerequisites:** MRSC5002 Medical Radiation Science 1 **Assessment:** Assignments, exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study is the second of three units which cover the physical principles of the appropriate use of ionizing radiation and quality management in radiation therapy. The concepts of biology, chemistry and oncology as required will be synchronized with the learning undertaken in the professional practice studies. Image production and

physics of ionising radiation equipment and instrumentation will be taught.

MRSC5043
Medical Radiation Science Rad Therapy 3
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus, lectures, directed independent work, practical **Prerequisites:** MRSC5042 Medical Radiation Science Rad Therapy 2 **Assessment:** Assignments, exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M R T, M R T (Hons).

This unit of study is the final of three units which consolidates the students' knowledge of radiation physics. The application of a range of digital imaging modalities and specialised procedures will be covered. Image manipulation and storage will be included. A radiation therapy module related to recent advances in practice will complete this unit.

MRSC5044
Advanced MRS Practice
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week lectures and 2 hours per week seminars. **Prerequisites:** MRSC5013 Professional Practice Radiography 3 OR MRSC5022 Professional Practice Nuclear Medicine 3 OR MRSC5024 Professional Practice Rad Therapy 3 **Assessment:** Portfolio **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M D R, M D R (Hons), M N M, M N M (Hons), M R T, M R T (Hons).

This unit of study will allow students to critically explore changing technology and advanced practice in the medical radiation sciences. This unit builds upon the professional practice units of study and consolidates the generic attributes of graduates of the university. The focus will be interventional procedures, paediatric imaging and treatment, image interpretation, image fusion, tracers, quality control and radiation protection. Furthermore, the focus will follow an evidence based practice approach.

MRTY5024
Current Issues in Medical Radiations
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study is designed to facilitate learning through discussion of current issues of interest to practitioners working in the field of medical radiations. Journal articles which reflect topical debates will be studied. Students will be encouraged to discuss relevant articles both from their own area of practice and from other modalities within the field of medical radiations.

Textbooks
Essential reading supplied

MRTY5028
Advanced Image Processing
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessments, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study deals with advanced image processing techniques including procedures relevant to imaging equipment used in diagnostic radiography, nuclear medicine technology, radiation therapy, sonography, and research in these areas. The unit will be presented in a series of distance education modules.

Textbooks
Gonzalez & Woods, Digital Image Processing, Addison Wesley (2001)
Isaac N Bankman, Handbook of Medical Imaging - Processing and Analysis (2000)

MRTY5030
Advanced Radiographic Pathology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Edward Caruana **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no examination **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study will enhance the image interpretation and critiquing skills utilised by the diagnostic radiographer. The unit of study will comprise an introductory module based on paediatric pathology followed by the pathology of the central nervous, genitourinary, gastrointestinal, skeletal, chest and cardiac systems. This unit will be presented in a series of distance education modules that will be supported by online internet discussion groups. The assessment will be tailored to the clinical needs of individual students.

Textbooks
McCance K & Hvether S, Pathophysiology: The Biological Basis for Disease In Adults And Children (3rd ed)
Mosby (1998) would be useful

MRTY5031
Advanced SPECT
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Dale Bailey **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit is designed to optimise the single photon emission computer tomography (SPECT) expertise of practitioners. It focuses on SPECT acquisition, quality control and reconstruction. The subject will provide a deeper understanding of the principles, techniques and application of SPECT and will clarify the student's understanding of the role of SPECT in clinical diagnosis. The subject will be offered in distance education mode.

MRTY5033
Breast Imaging I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Ann Poulos **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no examination **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study comprises three modules incorporating the context of mammography, technical expertise and client and radiographer satisfaction in mammography. Breast Imaging I will be delivered in distance education mode.

MRTY5034
Breast Imaging II
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Ann Poulos **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no examination **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study expands and extends the material presented in MRTY5033 Breast Imaging I. As well, the role of advanced technologies in breast imaging such as MRI and nuclear medicine will

be discussed. Breast Imaging II will be delivered in distance education mode.

MRTY5035
Breast Imaging III
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit completes three units in breast imaging. Breast ultrasound as an imaging modality is covered in depth with emphasis on its role in the diagnosis of breast cancer. While this unit is not currently designed to produce a qualified breast sonographer, it is valuable to mammography as a complementary imaging method. The fundamental physical theory of ultrasound and its applications to ultrasound of the breast will be examined. This unit will be delivered in distance education mode with no requirement for attendance on-campus.

MRTY5038
Diag Imaging for Radiation Therapists
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr David Chrystal, Mr Mark West **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to an imaging department/centre would be advantageous **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit provides the non-medical-imaging practitioner with an understanding and overview of the principles underlying a range of imaging modalities. These modalities include planar radiographs, CT, MRI, SPECT, PET and ultrasound. The advantages and limitations of using each modality in radiation therapy practice will be addressed. The unit will be presented in a series of distance education modules with online discussion groups.

Textbooks
A compulsory text is provided (on deposit) with the course material

MRTY5039
CT Applications
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Karen Dobeli, Dr Sarah Lewis **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit covers the application of CT in the clinical environment, in order for students to develop and extend the theoretical skills acquired in MRTY5040 CT Practice I and MRTY5041 CT Practice II. There is a strong focus on 3D and virtual imaging techniques with reference to current research evidence. The main learning activity in this unit of study is a small directed research project. It is preferable that students have completed CT Practice I & II prior to undertaking CT Applications as it is designed for advanced users.

Textbooks
Reference lists provided throughout course material. Some journal articles included

MRTY5040
CT Practice I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Charbel Saade, Dr Sarah Lewis **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

CT Practice I includes both helical (Single and Multi-slice) and conventional computed tomography. The unit of study looks briefly at the historical development and physics of CT. The variables controlled by the radiographer are discussed with particular emphasis on the effect these parameters have on the resultant scan. A thorough understanding of these effects is essential if the radiographer is to obtain optimal images when scanning. Recording of the images obtained is discussed, with the rationale for the settings used and the reconstructions routinely performed. These basic concepts lead to the development of possible protocols for the CT scans most commonly ordered. Areas covered will include brain, thorax and abdomen. The unit will look critically at the choice of parameters for these protocols and situations when the parameters may need to be varied in order to obtain optimal images. Protocols will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice I is offered in distance education mode with internet support. There will be no residentials. The student is expected to have access to a CT scanner, although not necessarily at their place of work.

Textbooks
Reference lists provided throughout course material. Some journal articles included

MRTY5041
CT Practice II
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Charbel Saade, Dr Sarah Lewis **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to a CT scanner is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

CT Practice II includes specialist CT examinations such as dental CT, QCT and 3D CT applications including angiography. This unit of study does not cover CT anatomy in depth. The basic physics of these CT applications will be covered in this unit. The unit will look critically at the choice of parameters for these examinations and situations when the parameters may need to be varied in order to complete an optimal examination. Protocols for these examinations will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice II is offered in distance education mode. Content for this unit of study will be provided by professionals currently involved in specialist CT areas. Access to a CT scanner performing at least one of the specialist functions is advisable.

Textbooks
Resource list provided in course material. Basic journal articles supplied

MRTY5042
Digital Communications in Med Radiations
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Steve Meikle **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no examination **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study provides students with an understanding of digital image fundamentals, such as image acquisition, storage and transmission and implications on image quality and dose. Management and the communication systems needed to facilitate patient care procedures will be examined, including PACS, DICOM, RIS, tele-radiology and record and verify systems. This unit also provides the student with the opportunity to examine computer based methods to efficiently utilise staff time and resources within a Medical Radiation Sciences department.

MRTY5043
Directed Studies A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Negotiated assessment, examination unlikely **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the PG Coursework Academic Coordinator. Upon preliminary approval, a supervisor will be appointed and a firm contract will be negotiated and agreed upon by all parties prior to semester commencing to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study MRTY5044 Directed Studies B must first complete Directed Studies A.

MRTY5044
Directed Studies B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5043 Directed Studies A **Assessment:** Negotiated assessment, examination unlikely **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the PG Coursework Academic Coordinator. Upon preliminary approval, a supervisor will be appointed and a firm contract will be negotiated and agreed upon by all parties before semester commencing to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer.

MRTY5047
History of Medical Radiations
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench, Mr Paul Richards **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no examination **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

The study of history provides the opportunity to learn and understand the strengths and mistakes of the past and to plan for improving the future. Medical radiations has a history in excess of 100 years and most would agree the technology will continue to change indefinitely. Despite this technological progress the medical radiations profession is still developing its standing in the health industry. The unit aims to provide an insight into the past with a view to empowering the future. The unit will develop research and writing skills through the study of areas such as early radiation discovery, the dominance of radiologists, the rise and future of the nuclear debate, medical radiations education and independent private practice. The unit will be offered in off-campus mode supported by email discussion groups.

MRTY5049
Isotope Production
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Michael Kassiou **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

The aim of this unit is to acquaint the student with the physical principles and techniques of isotope production. Students will be able to clarify their understanding about QC and safe handling of radioisotopes. It will focus on advanced understanding of nuclear reactor, cyclotron and other particle accelerators for isotope production. Emphasis will be given to production of positron emitters for PET study. This course will highlight the application of recently developed radionuclides for radioimmunotherapy and diagnostic purposes using SPECT and PET facilities. This subject will be offered in distance education mode.

MRTY5051
MR Theory
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Bosco Yu, Mr Warren Reed **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to MRI would assist the student to complete the assessments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit addresses the principles of magnetic resonance imaging. The areas addressed will be the principles of NMR, image contrast, factors affecting image formation, plus pulse sequences used from Spin Echo through to current fast imaging and Echo Planar techniques. The applications of MRI in medical imaging will be addressed with the effects of signal-to-noise ratio, fat saturation, artefacts and flow effects being discussed. The biological effects and aspects of patient safety will be included in this subject. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

MRTY5052
MR Applications 1
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Michael Macilquham **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment, no exam **Practical field work:** Access to MRI is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will study the applications and protocols of MR imaging in the central nervous system. The assessment in this unit will be by submission of clinical assignments, so students will need access of one or two days per week to a MRI unit. The delivery will be in distance

education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

MRTY5053
MR Applications 2
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Sheryl Foster **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment, no exam **Practical field work:** Access to MRI is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will study the applications and protocols of MR imaging of the musculoskeletal system focussing on the knee, hip, wrist and shoulder joints. The assessment in this unit will be by submission of clinical assignments, so students will need access of one or two days per week to a MRI unit. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

MRTY5054
Nuclear Cardiology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** Basic principles of nuclear medicine imaging **Assessment:** Assignments and seminar in-service **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the cardiovascular system. The focus will be on the use of nuclear cardiology to measure myocardial perfusion and cardiac function. New directions in nuclear cardiology will also be examined. The student will be encouraged to examine the application of new cardiac imaging techniques and technologies in the workplace and develop a research project in a selected area of nuclear cardiology. This subject will be presented in a series of distance education modules that will be supported by email discussion groups.

MRTY5056
Patient/Practitioner Communication
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr John Atyeo **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M D R, M D R (Hons), M Hlth Sc (Med Sono), M Hlth Sc (MRS), M N M, M N M (Hons), M R T, M R T (Hons), PG Coursework Exchange.

This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. The enhancement of listening skills will be encouraged, with an emphasis on patient empowerment, support, advice and counselling. Students will be encouraged to become reflective practitioners in the area of communication, and to become active consumers and evaluators of communication in its broadest context.

Textbooks
No specific text recommended. Primary and secondary library sources to be accessed by student

MRTY5057
Prevention and Care of Radiation Injury
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr David Chrystal, Mr Mark West **Session:** Semester 1 **Classes:** Distance education **Assumed knowledge:** Basic Biology **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit extends the radiation therapist's knowledge of the radiation injuries commonly seen in a radiation oncology department. The mechanism of injury is examined, and methods of dealing with radiation therapy sequelae are addressed. Content includes physiology of radiation injury, including erythema, gastro-intestinal complications and haematopoietic complications, pharmacology for radiation injury, and wound healing and dressings. The subject will be presented in distance education mode, with no residential school.

Textbooks
Essential reading is supplied

MRTY5058
Quality Management in Medical Radiations
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Peter Kench, Mr Paul Richards **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Practical field work:** Access to a medical radiations department is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

Quality management has become an important part of the operation of the medical radiations department. A well-developed quality assurance program can provide confidence that the intended quality is being achieved and maintained. This unit of study presents the theory of quality management and relates it to the day-to-day operations of the medical radiations department. Examples will be presented from the fields of radiography, nuclear medicine and radiation therapy, and students will have the opportunity to design or critique their own quality management system. The unit will be presented in distance learning mode.

Textbooks
Essential reading is supplied

MRTY5059
Radiation Safety
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study provides participants with a detailed coverage of radiological health and safety issues including both ionising and non-ionising radiations. The unit is particularly concerned with all aspects of radiation safety in the medical environment, including a broader understanding of the relevance of radiation safety principles and a comprehensive appraisal of legal responsibilities. The unit will be presented in a series of distance education modules.

Textbooks
1. Dowd, SB & Tilson, ER, Practical Radiation Protection and Applied Radiobiology (1999)
2. Cember, H, Introduction to Health Physics (1996)

MRTY5060
Radiation Therapy Tmt Planning Systems
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** MRTY5038 Diagnostic Imaging for Radiation Therapists is useful but not essential **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study provides the radiation therapist with an understanding of the functional features of and differences between two and three

dimensional treatment planning systems. The image processing tools available on treatment planning systems will be described and an overview of dose computation methods will be presented. Emphasis is placed on the visualisation methods available on 3D planning systems. These methods are described and their potential advantages and limitations are discussed. Students will be given the opportunity to investigate the application and impact of 3D treatment planning on clinical practice. The unit will be presented in a series of distance education modules which will be supported by on-line internet discussion groups.

Textbooks
Essential reading is supplied

MRTY5062
Specialised Skeletal Scintigraphy
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit aims to extend the learning and clinical ability of graduate students in best practice contemporary skeletal nuclear medicine. The student will develop an understanding of skeletal disease processes and the required nuclear medicine imaging procedure for optimal diagnosis. Key topics include: sports, paediatrics, infection imaging and an understanding of the integration of other imaging modalities to increase specificity of diagnosis. At the completion of this module, the technologist will have an increased understanding of the acquisition requirements for bone studies that aids the specificity of reporting.

MRTY5063
Applied Positron Emission Tomography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

With the advent of Positron Emission Tomography (PET) gamma cameras there is a need to understand the underlying principles of coincidence imaging and PET radiopharmaceuticals. This unit will examine the safety issues related to the handling of PET isotopes and patient imaging. Instrumentation and imaging principles will be examined, and applications of FDG imaging within the nuclear medicine department will be included. This unit will be presented in a series of distance education modules.

MRTY5064
Stabilisation and Positioning
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Jenny Cox **Session:** Semester 1 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit covers in detail the latest research into stabilisation and positioning of the radiation therapy patient. Detection of patient and organ movement, the differences between stability and reproducibility, and random and systematic errors are investigated. Students will select a particular stabilisation or positioning problem and investigate ways of addressing the problem. This subject will be presented in a series of distance education modules which will be supported by online internet discussion groups.

Textbooks
Essential reading is supplied

MRTY5066
Theory of Rad Therapy Tmt Plan Calcs
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no examination **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study provides students with an in depth study of radiation therapy treatment planning calculation methods. An appreciation of the relevance of manual calculations and their methods (basic monitor unit calculations) will be established before embarking on a study of traditional correction-based and contemporary model-based algorithms. The unit will conclude with a reflection on the philosophy of treatment planning approaches in the light of current trends towards treatment optimisation and inverse planning. This unit will be offered in distance mode, which will be supported with online internet activities and discussion. This unit is most suited to students with experience in radiation therapy planning and who have a good grasp of basic mathematics.

Textbooks
Metcalfe P, Kron T & Koban P, The Physics of Radiotherapy X-rays for Linear Accelerators (1997)

MRTY5067
Professional Issues
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Lucy Taylor **Session:** Semester 2 **Classes:** Distance education and block attendance **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit introduces students to medico-legal and patient relationship issues which may be encountered in the field of sonography. It also introduces students to the ethical principles required in order to develop an understanding of professionally accepted behaviours and standards appropriate to the practice of medical sonography within the broad context of the delivery of health care. Modules are offered for study in distance mode. These are combined with discussion of the issues presented, at an on-campus block.

MRTY5068
Physics and Instrumentation II
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 1 **Classes:** Distance education and block attendance **Prerequisites:** MRTY5088 Physics and Instrumentation I **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip Hlth Sc (Med Sono), Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit builds on the physical principles and instrumentation of diagnostic ultrasound presented in MRTY5088 Physics and Instrumentation I. It covers areas such as quality assurance programs for instrumentation, the interaction of ultrasound and biological tissue and the possible biological effects which may occur, and the principles of image formation and processing as applied in ultrasound instrumentation. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

MRTY5069
Sonography in Obstetrics and Gynaecology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Jillian Clarke **Session:** Semester 1 **Classes:** Distance education and block attendance **Assessment:** Assignments, film reading, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG

Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines in detail sonography of soft tissues in the female pelvis and in obstetrics. Distance learning modules are provided and are supported with on-campus block lectures and tutorials.

MRTY5070
Cardiac Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1 **Classes:** Distance education and block attendance **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines sonography of the adult heart in detail, and introduces paediatric echocardiography and congenital conditions encountered in adult practice. In addition, some complimentary techniques used in cardiac diagnosis and care are presented. Distance learning modules are provided and are supported by on-campus lectures and tutorials.

MRTY5071
Vascular Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Lucy Taylor **Session:** Semester 1 **Classes:** Distance education and block attendance **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit of study provides students with an understanding of both non-invasive and sonographic methods of detection of vascular disease processes. Distance learning modules are provided and are supported by on-campus lectures and tutorials.

MRTY5072
Independent Study in Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education: on-campus attendance may not be necessary **Assessment:** As negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit will allow students to engage in an investigation of sonographic practice not covered by the existing units of study and will require a learning contract negotiated between the student and staff. While regular communication with the nominated supervisor will be required, on-campus attendance may not be necessary.

MRTY5073
Abdominal Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Lucy Taylor **Session:** Semester 2 **Classes:** Block attendance **Assessment:** Assignments, film reading test, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines in detail sonography of the soft tissues of the upper abdomen and the male pelvis. Distance learning modules are provided and are supported with online tutorials, and lectures and tutorials in an on-campus block.

MRTY5074
Superficial Structures Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Jillian Clarke **Session:** Semester 2 **Classes:** Distance education and block attendance **Assessment:** Assignments, film reading, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines in detail sonography applied to superficial organs and structures, including basic peripheral vascular, introduction to cardiac and musculoskeletal sonography. Distance learning modules are provided and supported by lectures and tutorials in an on-campus block.

MRTY5075
Cardiac Measurement Techniques
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education and block attendance **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers cardiac physiological measurement techniques used in clinical settings. Distance learning modules are provided and are supported by lectures and tutorials in an on-campus block.

MRTY5076
Paediatric Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education **Assessment:** Assignments as negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers general sonography as applied to the paediatric patient, including patient care and studies unique to the paediatric population. This unit will be facilitated in a distance education mode.

MRTY5078
Clinical Prac in Abdominal Sonography
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Jillian Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5073 Abdominal Sonography.

MRTY5079
Clinical Prac in Ob & Gyn Sonography
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Jillian Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5069 Sonography in Obstetrics and Gynaecology.

MRTY5080
Clinical Prac in Superficial Str Sono
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Jillian Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills

assessments **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5074 Superficial Structures Sonography.

MRTY5081
Clinical Practice in Vascular Sonography
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Lucy Taylor **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of vascular sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5071 Vascular Sonography.

MRTY5082
Clinical Prac in Cardiac Measurements
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 8 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of cardiac measurement techniques in the clinical environment, in order for the student to develop skills as taught in MRTY5075 Cardiac Measurement Techniques.

MRTY5083
Clinical Practice in Cardiac Sonography
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of cardiac sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5070 Cardiac Sonography.

MRTY5084
Clinical Prac in Paediatric Sonography
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of paediatric sonography in the clinical environment, in order for the student to develop skills as taught in MRTY5076 Paediatric Sonography.

MRTY5085
Clinical Practice in Independent Study
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessment **Practical field work:** Minimum 18 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of an investigation of sonographic practice in the clinical environment, in order for the student to develop skills as acquired in MRTY5072 Independent Study in Sonography.

MRTY5086
Investigative Project
Health Sciences

Credit points: 8 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit provides the student with the opportunity to undertake a supervised project. This will consist of either a substantial literature review and critique on a topic of interest to the student from the student's major field, or a research oriented project in which the student may carry out a small pilot study aiming towards the development of a research proposal for a future higher research degree. This unit of study can be facilitated on-campus or off-campus.

MRTY5087
Advanced MR Theory
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Roger Bourne **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5051 MR Theory **Assessment:** Continuous assessment, no exam **Practical field work:** Access to MRI is expected **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study is designed to articulate with the unit MRTY5051 MR Theory, and expand the practitioner's understanding of flow phenomena and the techniques of TOF-MRA, PC-MRA and CE-MRA. The applications of all these in medical imaging will be thoroughly explored and would require the practitioner to have access one or two days a week to a magnetic resonance imaging site. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

MRTY5088
Physics and Instrumentation I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 1 **Classes:** Block attendance **Assessment:** Assignments, test, compulsory pass exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (Med Sono), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit presents the basic physical principles and instrumentation of diagnostic ultrasound. It includes methods of image production, interpretation, recording techniques, the principles of grey scale echography and adjustment procedures for relevant operation controls. The unit also covers the recognition of artefacts within an image and the ability to separate these artefacts from anatomy or disease, and Doppler ultrasound fundamentals. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

Textbooks

Gent R, Applied Physics and Technology of Diagnostic Ultrasound (1997)
Kremkau FW, Diagnostic Ultrasound: Principles and Instruments (2001)

MRTY5089
MRI Project
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Maila Agudera **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prerequisites:** MRTY5052 MR Applications 1, MRTY5053 MR Applications 2, MRTY5087 Advanced MR Theory **Assessment:** Negotiated assessment **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit allows the student studying MRI, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student or the MRI practitioners. This unit will require a learning contract that will achieve the desired educational outcomes to be negotiated and agreed upon by all parties prior to semester commencing. The unit of study will be directed towards MRI and may comprise a literature review covering the development and applications of a new technology, a specific workplace experience and analysis or it may comprise a combination of these elements.

MRTY5090
Advanced Multiplanar Anatomy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Ann Poulos **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

Detailed anatomy of the musculoskeletal system and vascular systems of the thorax is presented in this unit. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The unit will be presented in distance education format with no requirement for attendance on-campus.

MRTY5091
Advanced Multiplanar Anatomy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** Distance education **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

Detailed anatomy of the brain is presented in this unit. The regions studied are the brain stem, cranial nerves and nuclei, cerebellum, diencephalon, cerebral hemisphere and cortex, basal ganglia, limbic system, ventricular system and the blood supply. The practical component involves interpretation of hard copy images and will be predominantly MR images. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

MRTY5094
Brachytherapy Theory
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Cherie Sycamore **Session:** Semester 1 **Classes:** Distance education **Assumed knowledge:** Some clinical experience in brachytherapy **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will provide an understanding of the historical development of brachytherapy and increased knowledge of the fundamental principles of brachytherapy techniques, dosimetry, planning and delivery. Content includes: historical perspective of brachytherapy; implantation techniques; instrumentation fundamentals: delivery systems, sources, dosimetry; principles of brachytherapy planning; radiobiology and protection.

Textbooks
Essential reading (articles, book extracts) provided in course notes

MRTY5095
Brachytherapy Applications
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Tom Wilson **Session:** Semester 2 **Classes:** Distance education, approximately 8-10 hrs/wk **Assumed knowledge:** Understanding of fundamentals and principles of brachytherapy to the level reached in the unit MRTY5094 Brachytherapy Theory. Access to clinical brachytherapy and a mentor is essential **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Students require access to clinical patient cases to complete this unit. Students are expected to complete at least three patient cases per month

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will cover the practical applications of the three main modes of brachytherapy; intracavitary, intrauminal (intravascular) and interstitial. Factors considered will be common disease sites; indications for brachytherapy in the overall management of disease; implantation procedures; planning; treatment and post implant care. An understanding of the practical applications of brachytherapy; knowledge and skills to carry out a range of brachytherapy procedures will be covered. The role and indications for brachytherapy as a treatment option in the overall management of disease are presented.

Textbooks
Essential reading (articles, book extracts) provided in course notes

MRTY5096
Advanced Nuclear Medicine Practice
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** Clinical experience in nuclear medicine **Assessment:** Continuous **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study will provide the student with knowledge of the limitations and artefacts common to nuclear medicine studies, an understanding of the factors to be considered in the interpretation of nuclear medicine studies plus skills in writing a provisional diagnosis. They will therefore require access to a nuclear medicine specialist as a mentor.

MRTY5097
CT for Nuclear Medicine Technologists
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assumed knowledge:** Clinical experience in nuclear medicine **Assessment:** Continuous **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit of study is directed at developing knowledge and understanding of computerised tomography (CT) as it applies to nuclear medicine. The overriding focus is on ensuring quality nuclear medicine CT studies and a high standard of radiation safety. The study content includes: radiographic principles and radiation safety; CT instrumentation design and image reconstruction methods; CT scan acquisition and impact of scan parameters on patient dose; attenuation correction and image co-registration in nuclear medicine CT systems; basic principles of radiography; quality control. The unit will be presented as a series of distance education modules.

MRTY5098
Radiographic Image Interpretation A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5030 Advanced Radiographic Pathology be completed before taking this unit. **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify pathology of the upper extremity skeleton. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY5099
Radiographic Image Interpretation B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit. **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify pathology of the axial skeleton and abdomen. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY5100
Radiographic Image Interpretation C
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit. **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit will provide the student with image interpretation skills and knowledge of the radiological and clinical indicators which are utilised to identify the more common pathology of the respiratory system. The unit aims at enabling the practitioner to achieve a level of competency sufficient to participate in a "red dot" system.

MRTY5101
Radiographic Image Interpretation Study
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 2 **Classes:** Distance education **Assumed knowledge:** It is recommended that MRTY5098 Radiographic Image Interpretation A be completed prior to enrolling in this unit. **Assessment:** Continuous assessment, no exam **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (MRS), Grad Dip Hlth Sc (MRS), M Hlth Sc (Med Sono), M Hlth Sc (MRS), PG Coursework Exchange.

This unit allows the student, in collaboration with a University superviser, to focus on issues relating to the reporting of radiographs by radiographers. The student will be directed to investigate two topics that relate to the implementation of a radiographic reporting service and the ways in which the quality of such a service can be maintained.

MRTY5102
Musculoskeletal Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1 **Classes:** Block mode **Assessment:** Assignments, film reading test, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines in detail sonography of the soft tissues of the musculoskeletal system. Teaching and learning in this unit will include intensive on-campus block sessions.

MRTY5103
Clinical Prac in Musculoskeletal Sono
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Recommended minimum 8 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as covered in MRTY5102 Musculoskeletal Sonography.

MRTY5104
Breast Sonography
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 2 **Classes:** Distance education, independent learning **Assessment:** Assignments, film reading test, exam **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit examines in detail sonography of the soft tissues of the breast and related structures.

MRTY5105
Clinical Practice in Breast Sonography
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jill Clarke **Session:** Semester 1, Semester 2 **Classes:** Distance education **Assessment:** Clinical skills assessments **Practical field work:** Recommended minimum of 8 hrs/week **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (Med Sono), Grad Dip Hlth Sc (Med Sono), M Hlth Sc (Med Sono), PG Coursework Exchange.

This unit covers the application of sonography in the clinical environment in order for the student to develop skills as covered in MRTY5104 Breast Sonography.

MUED5008
Music Education Research Methods 1
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** Dr K. Marsh **Session:** Semester 1 **Classes:** 2hr seminar/wk **Assessment:** Continual assessment and individual task assessment; literature review **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Mus Ed), PG Coursework Exchange.

The aims of this unit of study are to develop an understanding of music education research processes, and to identify research methods suitable for individual students' research topics. In this unit of study, students examine a range of music education research paradigms which can broadly be categorised as qualitative or quantitative, and are introduced to related research procedures. Readings and seminar activities are designed to facilitate students' critical analysis of research in terms of the relevant research methods. Students will also develop strategies for locating and reviewing literature pertaining to their fields of research interest. At the culmination of this course, students will submit a preliminary literature review as the initial phase in the preparation of their research.

MUED5010
Music Education Thesis 1
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** Dr P. Dunbar-Hall **Session:** Semester 1, Semester 2 **Classes:** 1hr supervision/wk. **Assessment:** Continual assessment on progress; presentation of regular progress reports; submission of documentation as required by supervisor. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Mus Ed), PG Coursework Exchange.

In this unit students work on their individual research topics under the guidance of a supervisor. Regular attendance at seminars at which students report on the progress of their research is a requirement of this unit. These seminars give students the opportunity to discuss their work with their peers and with staff members. For further information contact Dr P. Dunbar-Hall (Music Education).

MUED5012
Seminar in Music Education 1
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Dr P. Dunbar-Hall **Session:** Semester 1, Semester 2 **Classes:** 2hr seminar/wk **Assessment:** Continual assessment and individual task assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), M Mus (Mus Ed), PG Coursework Exchange.

Seminars in Music Education 1 and 2 cover different subject areas which can change from semester to semester, depending on the availability of course lecturers. For further information contact Dr P. Dunbar-Hall.

MUED5013
Seminar in Music Education 2
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Dr P. Dunbar-Hall **Session:** Semester 1, Semester 2 **Classes:** 2hr seminar/wk **Assessment:** Continual assessment and individual task assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Composition), M Mus (Mus Ed), PG Coursework Exchange.

Seminars in Music Education 1 and 2 cover different subject areas which can change from semester to semester, depending on the availability of course lecturers. For further information contact Dr P. Dunbar-Hall.

MUED5016
Music Education Research Methods 2
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** Dr K Marsh **Session:** Semester 2 **Classes:** 2 hr seminar per week **Prerequisites:** MUED5008 Music Education Research Methods 1 **Assessment:** Continual assessment and individual task assessment; research proposal and ethics documentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Mus Ed), PG Coursework Exchange.

This unit of study consolidates and extends skills acquired in Research Methods 1. The first objective is to acquaint students with a variety of data analysis procedures employed in music education research. Evolving skills will be extended through practical tasks in which students examine and apply a range of qualitative and quantitative data analysis procedures. A further objective is the completion of a research proposal. Through ongoing reading and critical evaluation of related research literature, students will prepare a research proposal for implementation in the final year of the program. Ethical issues in music education research are an adjunct area of study, and students will submit all documentation required for ethics approval for their proposed research.

MUED6005
Music Education Thesis 2
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** Dr P. Dunbar-Hall **Session:** Semester 1, Semester 2 **Classes:** 1hr supervision/wk **Assessment:** Continual assessment on progress; presentation of regular progress reports; submission of documentation as required by supervisor plus submission of a thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Mus Ed), PG Coursework Exchange.

In this unit students complete and submit their research thesis. Work is supervised by relevant staff members, and students present reports on their research at regular seminars for the comments of their peers and staff members. For further information contact Dr P. Dunbar-Hall.

MUSM7004
Internship/Placement 1 (Part 1)
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Barrett **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Museum Stud, M A, M Litt, M Museum Stud.

Candidates undertake an internship at a recognised gallery or museum.

MUSM7005
Internship/Practicum 2 (Part 2)
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Barrett **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Museum Stud, M A, M Litt, M Museum Stud.

Candidates undertake a second internship at a recognised gallery or museum.

MUSM7007
Museum Studies Dissertation (Part 1)
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Barrett **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Museum Stud.

Research and writing towards a dissertation of 12,000 words on an approved topic, under the supervision of an academic member of staff. Department permission required. Approval is subject to the availability of appropriate supervision and the department's discretion.

MUSM7008
Museum Studies Dissertation (Part 2)
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Barrett **Session:** Semester 1, Semester 2 **Assessment:** Completion and submission of a dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Museum Stud.

Completion of research and writing, and submission of a dissertation of 12,000 words on an approved topic, supervised by an academic member of staff. Department permission required. Approval is subject to the availability of appropriate supervision and the department's discretion.

MUSM7025
M Litt Treatise Part 1
Arts

Credit points: 12 **Teacher/Coordinator:** Dr Jennifer Barrett **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a treatise of 25,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Research and writing towards a treatise of 25,000 words on an approved topic, under the supervision of an academic member of staff. Candidates should consult the postgraduate coordinator prior to enrolment.

MUSM7026
M Litt Treatise Part 2
Arts

Credit points: 12 **Teacher/Coordinator:** Dr Jennifer Barrett **Session:** Semester 1, Semester 2 **Assessment:** Completion and submission of a treatise of 25,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Completion and submission of a treatise of 25,000 words on an approved topic, under the supervision of an academic member of staff

MUSM7028
Artefact Studies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Barrett **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

The models of interpretation for artefact and material culture are widely contested in many disciplines such as anthropology, archaeology, art history and history. This unit of study examines the historical development of artefact and material culture studies as it relates to the museum context. It will provide an historical and international perspective on the study of material culture, as well as the practical and theoretical knowledge to enable students to appraise, analyse and contextualise material culture in museums and galleries. The first half of the unit examines the history and development of different models of artefact study. The second half takes a thematic approach.

MUSM7029
Communication and Education
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Griffiths **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, M Museum Stud.

This unit is informed by an analysis of the museum experience from an audience perspective, drawing on literature from the fields of museum education, audience research, communication and learning theories. Students are encouraged to consider the positioning of public programs in a museum's mission. Issues of accessibility, empowerment and audience development are explored in applications of museum communication and public programming. Guidelines for the development and delivery of education and vistor programs are examined in case studies. Students have the opportunity to apply theoretical understandings to practical exercises in museum education.

MUSM7030
Exhibition Development
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C O'Reilly **Session:** Semester 1, Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert D C C, Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

Understanding display practices in museums is central to the functions of these cultural institutions. This unit of study examines the way in which exhibitions may function by exploring current issues and debates associated with the practice of exhibiting. We will consider how different spaces inform the interpretation of the cultural material and information displayed. In particular, we will examine the issue of representation as it relates to the museum context. This unit of study will provide students with an overview of the intellectual discourses and practical knowledge used to analyse, conceptualise, propose and develop exhibitions.

MUSM7031
Information and Collection Management
Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Messham Muir **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert D C C, Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

The historical development of information and collection management has repercussions for all aspects of the Museum. This unit prepares students with both practical and theoretical knowledge about information and collection management in museums and galleries in Australia and intenationally. The unit is stuctured thematically and uses contemporary issues as a way of interpreting the historical development of information and collection management. In particular, it focuses on the processes used in the development, maintenance and accessibility of museums' and galleries' collections.

MUSM7032
Museum and Gallery Administration
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Barrett **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

Good management is critical to the long term survival of museums as vibrant cultural institutions. This unit of study explores the characteristics of a well managed facility and provides students with the skills necessary to evaluate the operation of their own museum, both in terms of budget, human resource management and general cultural stewardship. Students will also acquire a specific set of key management skills utilised by middle and senior management. They include strategic planning, project management, budget development and program evaluation. Professional competence in these areas is normally a prerequisite for career progression. Field studies and role play techniques are utilised as part of the teaching program.

MUSM7033
The Museum Context
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Barrett **Session:** Semester 1, Semester 2 **Classes:** 2 hours per wk **Assessment:** 4000-5000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

This core unit provides an historical, theoretical and political overview of the development of museums. The subject surveys the historical development of the museum as both an idea and an institution. The social and cultural roles of the museum are investigated using writings on the history of the museum and contemporary cultural debates as they relate to museum issues. The subject examines the relationships between the production of cultural material, its management and display, the audiences and the museum as a site of knowledge, politics and power. This foundation subject prepares students for the practical units of study to be undertaken as part of the program and is therefore a corequisite or prerequisite for enrolment in all other units of study.

MUSM7034
Museum Research Methods
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Louise Marshall **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Essay/project (3000wds): 60%; Presentation: 15%; Development of project brief: 25% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Museum Stud, Grad Dip Museum Stud, M A, M Litt, PG Coursework Exchange.

Museums develop programs, exhibitions and services - but for whom do they do it? This unit is about the 'end users' - the public who visit museums, explore exhibitions, participate in public programs and use the services and facilities which together make up the museum 'experience'. Who are they? Why do they come? Why do people value museums? How can the museum message reach them and how can

we use their feedback to develop and improve museum programs? In this unit, students will address these questions and develop some of the skills to acquire the answers through the tools of exhibition evaluation, program evaluation and audience research. Components include: using audience research for decision-making and planning; identifying, creating and developing audiences; market segmentation; quantitative and qualitative methodologies; analysing barriers to participation; and marketing 'values' brands.

MUSM7035
Ethics of Cultural Property
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J Barrett **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Seminar paper and essay to a total of 4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Lib Stud, Grad Cert Museum Stud, Grad Dip Arts, Grad Dip Museum Stud, M A, M Litt, M Museum Stud, PG Coursework Exchange.

This unit tracks the ethical and political disputes surrounding the ownership, control and care of cultural property. While giving historical background on religious iconoclasm, the focus will be on notable modern cases, from the Elgin Marbles or the Benin Bronzes in the colonial era to recent acts like the destruction of the Bamiyan Buddhas or the ransack of the Iraq Museum. Australian museum practice in relation to Indigenous cultural property and issues of repatriation will be considered, as will the art market, in both legal and philosophical dimensions.

University postgraduate units of study – N

NEUR5001
Neuroscience Library Project
Science

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** It is expected that the student meet at least three times during the semester with the supervisor (personally arranged times) **Prerequisites:** 12 credit points from NEUR (5101, 5102, 5103, 5104, 5105, 5106, 5107, 5108) **Assessment:** Assessment is based on the submission and evaluation of a scholarly article (6000 words maximum) reviewing a field of contemporary neuroscience research. The article will be assessed by two internal and one external reviewers. These evaluations will comprise the entire mark for this unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip App Sc (Neuro Sc).

This provides the opportunity to develop knowledge gained from units of study on a specialised topic. The topic and nature of supervision will be arranged between the student and an appropriate supervisor, subject to the approval of the Coordinator of the Neuroscience Program. This unit of study is available only to students enrolled in the Graduate Diploma of Applied Science (Neuroscience) or in the Master in Applied Science (Neuroscience). It would normally be available only after a student has completed two units of study in the Neuroscience program or equivalent units of study approved by the Dean.

NEUR5002
Neuroscience Laboratory Project A
Science

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** It is expected that the research project should occupy the equivalent of about 2.5 weeks full-time research (~ 84 hours). This work will be performed under the direct supervision of an approved academic. **Prerequisites:** 24 credit points from NEUR (5101, 5102, 5103, 5104, 5105, 5106, 5107, 5108) **Assessment:** Assessment for this unit of study comprises two elements. (1) Supervisors evaluation of student participation in laboratory work (attendance, technical skills, application) [10% of final mark]. (2) Written report in the style of a scientific journal article (i.e. a short communication in the European Journal of Neuroscience), which will be evaluated by two internal and one external reviewers [90% of final mark] **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip App Sc (Neuro Sc).

This provides the opportunity to develop laboratory skills by participation in a research project on a specialised topic. The topic and nature of supervision will be arranged between the student and an appropriate supervisor, subject to the approval of the Coordinator of the Neuroscience Program. This unit of study is available only to students enrolled in the Graduate Diploma of Applied Science (Neuroscience) or in the Master in Applied Science (Neuroscience). It would normally be available only after a student has completed four units of study in the Neuroscience program or equivalent units of study approved by the Dean.

NEUR5003
Neuroscience Laboratory Project B
Science

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** It is expected that the research project should occupy the equivalent of about 2.5 weeks full-time research (~ 84 hours). This work will be performed under the direct supervision of an approved academic. **Prerequisites:** NEUR5002 **Assessment:** Assessment for this unit of study comprises two elements. (1) Supervisors evaluation of student participation in laboratory work (attendance, technical skills, application) [10% of final mark]. (2) Written report in the style of a scientific journal article (i.e., a short communication in the European Journal of Neuroscience), which will be evaluated by two internal and one external reviewers [90% of final mark] **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip App Sc (Neuro Sc).

This is similar to NEUR5002, but would involve a different supervisor and a topic in a different discipline from those for the project a student undertook for NEUR5002. A student is normally required to complete NEUR5002 before enrolling in NEUR5003.

NEUR5004
Neuroscience Laboratory Project C
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** It is expected that the research project should occupy the equivalent of about 2.5 weeks full-time research (~ 84 hours). This work will be performed under the direct supervision of an approved academic. **Prerequisites:** NEUR5002 and NEUR5003. **Assessment:** Assessment for this unit of study comprises two elements. (1) Supervisors evaluation of student participation in laboratory work (attendance, technical skills, application) [10% of final mark]. (2) Written report in the style of a scientific journal article (i.e. a short communication in the European Journal of Neuroscience), which will be evaluated by two internal and one external reviewers [90% of final mark] **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip App Sc (Neuro Sc).

This is similar to NEUR5002, but would involve a different supervisor and a topic in a different discipline from those for the projects a student undertook for NEUR5002 and NEUR5003. A student is normally required to complete NEUR5002 and NEUR5003 before enrolling in NEUR5004.

NTDT5305
Food Service Management
Science

Credit points: 6 **Teacher/Coordinator:** Ms Beth Rohrlach **Session:** Semester 1 **Classes:** 4 to 6 hours per week practical classes, 1.5 hours per week lectures, 2 site visits of 1.5 hours each. **Assessment:** Continuous assessment that may include practical work and project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Nutr Diet, PG Coursework Exchange.

The study of food service systems for use in institutions.

NTDT5307
Clinical Nutrition and Dietetics
Science

Credit points: 12 **Session:** Semester 2 **Classes:** Lectures average nine hours per week, tutorials/practicals average three hours per week. **Assessment:** Two assessment tasks and formal examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Contacts for this unit are Soumela Amanatidis, Margaret Nicholson, Veronica Taffs

Associated degrees: M Nutr Diet, M Nutr Sc.

This unit of study includes paediatrics at the New Children's Hospital, the study of medicine as it relates to nutrition, and the modification of diet and nutrition support of patients with different illnesses.

NTDT5308
Community and Public Health Nutrition
Science

Credit points: 10 **Teacher/Coordinator:** Ms Sue Amanatidis **Session:** Semester 2 **Classes:** Average of seven hours lectures per week. **Assessment:** Combination of assignments and formal exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Nutr Diet, M Nutr Sc.

This unit of study covers several topics which include an Introduction to health promotion which aims to introduce students to planning, implementing and evaluating nutrition health promotion programs for various population groups. Topics covered include principles of health promotion, effective nutrition promotion strategies, and program evaluation; Nutrition and chronic disease which examines the relationship and evidence for the role and etiology of chronic diseases such as cancer, heart disease, hypertension and diabetes. It also investigates the current nutrition policies and guidelines aimed at preventing these diseases; Food habits which covers theories of food habits and examines food habits of various population groups such as children, adolescents, older people and vulnerable groups; Basic concepts of epidemiology which investigates the advantages and limitations of various epidemiological methods.

NTDT5309
Communication
Science

Credit points: 2 **Teacher/Coordinator:** Ms Veronica Taffs **Session:** Semester 2 **Classes:** Lectures average one hour per week, tutorials/practicals average one hour per week. **Assessment:** Two practical assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Nutr Diet, M Nutr Sc.

The study of counselling and education methods to communicate nutrition to individuals, groups and nations.

NTDT5310
Nutrition Research Project
Science

Credit points: 24 **Teacher/Coordinator:** A/Prof Samir Samman **Session:** Semester 2 **Classes:** Tutorials two hours per week, supervised research experience. **Assessment:** Two assignments, presentation, report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Nutr Diet.

During the research semester each student has a research supervisor. Research projects can include small surveys, simple bench work, supervised hospital assignments or library searches, and are carried out in the University or with an external supervisor. Students also attend nutrition seminars.

NTDT5311
Nutrition Practice
Science

Credit points: 12 **Teacher/Coordinator:** Ms Margaret Nicholson **Session:** Semester 1 **Classes:** Whole day lectures/workshops held on two to four occasions through the semester. **Assessment:** Attendance only **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study will commence prior to the start of semester.

Associated degrees: M Nutr Diet, PG Coursework Exchange.

The aim of this unit is to provide further knowledge and develop counselling strategies in specialty areas of dietetic practice. It builds on subjects introduced in the first year of the Master's course.

NTDT5312
Nutrition & Dietetics Training Placement
Science

Credit points: 12 **Teacher/Coordinator:** Ms Margaret Nicholson **Session:** Semester 1 **Classes:** 18 week full time attendance of practical placement at clinical/community/food service sites. **Assessment:** Practical work and attendance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit of study will commence prior to the start of semester.

Associated degrees: M Nutr Diet.

Students undertake dietetic training at two or more teaching hospitals and their associated community nutrition centres. The majority of time is spent in the wards or outpatient departments. There are up to 20 weeks' of training in dietetic practice in major primary health institutions so this unit starts early.

NTDT5501
Nutritional Science
Science

Credit points: 6 **Teacher/Coordinator:** A/Prof Samir Samman **Session:** Semester 1 **Classes:** 3 lectures per week. **Assessment:** Set reading, 2-hr exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Nutr Diet, M Nutr Sc.

NTDT5501 aims to give a broad appreciation of different nutrients and the ways in which they are metabolised. The focus is on the multiple factors that drive metabolism and subsequently the relationship between nutrients and health and/or disease. Nutrients are discussed according to category, macronutrients and micronutrients, and there are different themes, including: the chemistry of macronutrients, vitamins and minerals, food sources and factors affecting availability for absorption, metabolism and excretion of the nutrient, the biochemical, physiological and pharmacological actions, methods of assessing biochemical status, the requirements at each stage of life and recommended intakes, signs of deficiency and toxicity, interactions with other nutrients.

NTDT5501 is a compulsory unit of study for students undertaking the Master of Nutrition and Dietetics or Master of Nutrition Science degrees and complements the learning in Food Science. NTDT5501 is also offered as an optional course to students in other degree programs.

Textbooks
Mann JI and Truswell AS. Essentials of Human Nutrition. 2nd edition, Oxford University Press 2002.
Shils ME, Olson JA, Sheike M and Ross AC. Modern Nutrition in Health and Disease. 10th edition, Lipincott 2004.

NTDT5502
Food Science
Science

Credit points: 3 **Teacher/Coordinator:** Prof. J Brand-Miller **Session:** Semester 1 **Classes:** 2 lectures per week. **Assessment:** Set reading, exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (S I S), M Nutr Diet, M Nutr Sc.

NTDT5502 aims to give a broad appreciation of different types of foods, the ways in which they are processed and consumed, their social context as well as their nutritional attributes. The focus is on the multiple factors that drive a food's relationship to health and/or disease. Foods are covered according to category: animal foods, seafoods, cereals, sugars, fats and oils, dairy products, legumes, nuts, roots, tubers, green leafy vegetables, fruits, herbs and spices and alcohol. NTDT5502 is a compulsory unit of study for students undertaking the Master of Nutrition and Dietetics degree and complements the learning in Nutritional Science. NTDT5502 is also offered as an optional course to students in other degree programs.

Textbooks
Mann JI and Truswell AS. Essentials of Human Nutrition. 2nd edition, Oxford University Press 2002.
Proudlove RK. The Science and Technology of Foods. Forbes London, 1997.

NTDT5503
Dietary Intake & Nutritional Assessment
Science

Credit points: 6 **Teacher/Coordinator:** Dr Karen Webb **Session:** Semester 1 **Classes:** 3 lectures, 2 workshops per week **Assessment:** Assignment, reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Bioethics, M Nutr Diet, M Nutr Sc.

Basic concepts in nutritional status; four methods of dietary assessment in individuals, advantages and limitations; validation of dietary methods; nutritional guidelines, targets and recommended dietary intakes; computerized nutrient analysis; limitations of food composition analysis. Behavioural influences on food intake. Nutritional assessment of individuals through clinical examination and commonly used laboratory biochemical tests for nutritional status; methods used to diagnose nutritional deficiencies; specificity, reliability of biochemical tests. Anthropometry and body composition; soft tissue measurement;

percent body fat; reference standards; growth standards and percentiles.

Textbooks
Principles of Nutritional Assessment, 2nd Ed. R.S. Gibson, Oxford University Press, New York, 2005.
Nutritional Assessment. A Laboratory Manual. RS Gibson, Oxford University Press, New York, 1993.

NTDT5504
Communications A
Science

Credit points: 3 **Teacher/Coordinator:** Soumela Amanatidis Veronica Taffs **Session:** Semester 1 **Classes:** 2 lec, 1 workshop / wk **Assessment:** One assignment, 2 tutorial papers **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Bioethics(Biotech), M Nutr Diet, M Nutr Sc.

NTDT5504 introduces students to the theories of effective communication. Students will acquire skills used to communicate with individuals in a variety of contexts, including the patient/client and his/her family, colleagues, other health team members and the community-at-large. Factors enhancing and distracting from effective communication are identified. The role of the dietitian as a facilitator of change is explored. Barriers to change and techniques used to enhance compliance are identified. Opportunity is provided for students to evaluate their own communication and interviewing skills. Students will also acquire knowledge and skills in planning, implementing and evaluating small group education.

Textbooks
Bauer K and Sokolik C. "Basic Nutrition Counselling Skills". Wadsworth, 2002.

NTMP5005
Tropical Coastal Management
Science

Credit points: 6 **Teacher/Coordinator:** Belinda McMillan (course contact) **Session:** Semester 2 **Classes:** Fieldschool 80 hours intensive. **Corequisites:** MARS5002 and MARS5003 **Prohibitions:** NTMP3005 **Assessment:** Presentation, teamwork, assignment, 1 hr exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: department permission required for enrolment

Associated degrees: Grad Cert App Sc (Coastal Mgt).

This course examines the impacts of human activities on coastal and marine environments. It explores the complex relationships among the ecological and social values of these environments and outlines strategies and tools for their management. This is an intensive course that will be held at the University of Queensland Moreton Bay Research Station, North Stradbroke Island.

Textbooks
Handouts provided.

NURS5001
Nursing Concepts: Bodies and Boundaries
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** Seminars **Assessment:** Assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

In this unit of study the concept of embodiment will be used to examine nursing and nurses' practice, exploring both the physical body and the lived body as experienced and interpreted by the patient and the nurse. This unit is closely related to two other units of study: Observation, Assessment & Nursing and Applied Nursing Practice. The unit explores the relevant literatures on: how different cultures have evolved social practices to govern the body and its products and functions; and why the study of these is central to successfully and safely providing nursing care for patients. Students will also study the legislative and regulatory frameworks relating to nurses' professional and legal boundaries and the origins and purposes of these governing frameworks. The ultimate purpose of the unit is the mindful pplication of the insights gained here to understanding the clinical context of nurses' care of the physical body and the patient's experiences of nursing care.

NURS5002
Social Contexts of Health
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Seminars, tutorials **Assessment:** Assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

All ideas, beliefs and understandings about health and illness are intrinsically connected to particular social and historical contexts. This unit of study explores a range of such ideas and beliefs from different societies and different historical eras. A major component of this unit will be Indigenous health and history, including Indigenous ideas and beliefs about health and illness. The unit also explores established theories about health and illness from western and non-western perspectives. .Drawing on these theories the unit critically analyses the relationship between social factors (for example ethnicity, gender, socioeconomic status, employment) and patterns of health and illness in contemporary Australia. A focus on contemporary Indigenous Australian health is an important aspect of this unit of study. Current issues related to health and illness in Australia and its region are also explored in this unit.

NURS5003
Observation in Nursing Practice
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1a **Classes:** lectures, tutorials **Assessment:** Research Round Table, Essay, Written examination, Clinical Experience Diary, Clinical Performance, Clinical Performance Assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

This unit of study provides an opportunity to observe and assess approaches to health care such as the biomedical model, the role of preventative and community-based care and complementary and alternative treatments. Observation of specific issues surrounding Indigenous approaches to health care and the increasing aged and chronically ill populations will be explored. The unit focuses on the roles and relationships among nurses, patients and other health professionals in practice settings. Regular clinical visits, with an experiential and reflective approach to learning, provides opportunities for students to gain insight into the provision and receipt of nursing care across a broad spectrum of nurses' working environments. Students will learn how to observe for symptom clusters associated with common illnesses and the processes of linical nursing assessment will be introduced during the clinical visits.

NURS5004
Applied Nursing Practice
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1b **Classes:** lectures, labs, tutorials **Assessment:** Patient Discharge Plan, Research Round Table, Written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

This unit of study builds on the unit, Observation in Nursing Practice, and will further develop the principles of caring, communication and critical thinking within nursing practice. Practices concerning patient hygiene and comfort, specific observations of the body, infection control (including asepsis and standard and additional precautions, and environmental safety) will be studied. Nursing practices, which are designed to assist those experiencing hospitalisation, will be addressed, including: maintenance of fluid status, skin integrity, mobility, the effective levels of pain relief and oxygenation. This knowledge will be extended to incorporate the experience of both patients and nurses when the body fails to function as expected,

particularly where surgery is required. There will be regular clinical visits and a period of clinical placement to further develop the knowledge and skills gained in the unit, Observation in Nursing Practice.

NURS5005
Biomedical Therapies and Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Lectures, labs **Assessment:** Surgical case study, Group work summary, three WebCT quizzes., Written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

This unit of study builds on knowledge of the cellular and systemic organisation of the human body. A cell-tissue-body environment approach to pathogenesis will be used as a framework to facilitate the exploration of biomedical and pharmacological interventions and their relationship to nursing practices. This approach allows the student to develop an understanding of the applications of various biomedical therapies to disease processes with similar pathogenic derivations. The development of such conceptual schemas provides an understanding and approaches to the evaluation of medical interventions and their outcomes.

NURS5006
Illness Experience and Nursing Care
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Seminars, tutorials **Assessment:** Illness Experience Project: Role Plays, Analysis of Interviews and Essay, WebCT Research Roundtable quiz , Written Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

The ways in which individual people subjectively experience illness and care, particularly nursing care, is the focus of this unit of study. The unit examines theories of human consciousness, emotionality and embodiment. It addresses the use of qualitative research methodologies, and the findings of key studies, for exploring illness experiences. Many different illness experiences are examined, and attention is drawn to such factors as emotions arising in illness, issues of embodiment, and social attitudes to illness (for instance, stigmatisation of some illnesses). The nurse-patient relationship is critically examined, particularly in relation to emotions arising in this context, nurses' attitudes towards a range of illnesses, and contemporary models of care. Students are involved in a research project that requires them to draw on theories about qualitative research methodologies.

NURS5007
Mental Health Nursing Practice I
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Seminars, labs, clinical placement **Assessment:** Essay, CPA, Exam, Off-Campus Clinical Performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

This unit of study begins with the concept of mental health and illness by adopting the approach that mental health exists on a continuum. It examines a variety of mental health disorders and explores mental health care settings as therapeutic milieu utilising a multi-disciplinary model. Further, this unit of study explores the scope of mental health nursing practice. A particular focus is the systematic analysis and discussion of the therapeutic relationship and the dynamic components of interpersonal processes and the therapeutic use of self. Students will develop capabilities in establishing therapeutic relationships, micro counselling skills, assessment, and intervention skills for working with individuals and families experiencing mental illness. A variety of treatment modalities are explored, as is the scope of mental health nursing practice across diverse age, gender and cultural backgrounds. This unit of study examines the Australian ethico-legal context of mental health nursing, and compares historical developments in nursing to emerging trends in contemporary mental health nursing. This unit prepares the students for an extended mental health clinical placement, in either hospital, community or specialist units. This clinical placement provides opportunities to apply therapeutic interactive nursing capabilities in the mental health care setting as well as developing and consolidating overall nursing skills.

NURS5008
Acute Care and Nursing Practice I
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Lectures, labs, tutorials **Prerequisites:** NURS5004 **Assessment:** Seminar Group Presentation, Reflective Essay, Written examination, Clinical Performance Assessment, Off Campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B A, M N, B App Sc (Ex &Sp Sc), M N, B Hlth Sci, M N, B Sc, M N, M N, PG Coursework Exchange.

This unit of study will examine the integration of theoretical and clinical components of nursing knowledge to enable the provision of physical care to acutely ill people. Building on the theme of embodiment, the responses of an individual and others to an acute disruption in health will be explored. Using those illnesses commonly found in our community, the experiences of acute illness and how these illnesses impact individuals, families and communities will also be examined. The content of the unit is devoted to the area of medical/surgical nursing and focuses on the themes of disruption to health, the impact of illness, the processes of nursing care and the experience of illness on the individual and their family.

NURS5009
Advanced Mental Health Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Assessment:** Critique of Policy Directive, Presentation, Essay, Critical analysis **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Clin N, Grad Cert Ger N, Grad Cert M Hlth N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M Int Care N, M Int Care N (Hons), M M Hlth N, M M HI.

This unit of study has three major themes that in combination provide a deeper level of understanding of major concepts that underpin contemporary advanced mental health nursing practice. The first is an exploration of, sociopolitical, economic, ethnic-cultural and environmental determinants of mental health and illness in modern Australian society and strategies that support consumers and carers. The second theme concerns humans as relational beings in the context of clinical nursing and principles of advanced psychodynamics that allow an individual to engage in a therapeutic relationship. The third, and most commonly neglected theme, is on the wellbeing of the nurse and ways of taking care of and nurturing the self as a clinician.

NURS5010
Advanced Mental Health Nursing Practicum
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Corequisites:** NURS5009 **Assessment:** Case Study and Management Plan, Presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Clin N, Grad Cert Ger N, Grad Cert M Hlth N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M Int Care N, M Int Care N (Hons), M M Hlth N, M M HI.

This unit is available to students who are working in or who will undertake a supervised clinical placement in a mental health care setting for the duration of the semester. The primary focus of the unit is the students' development of advanced mental health practice capabilities and the ability to systematically inquire into clinical issues and concerns specific to this field. Students will undertake a comprehensive longitudinal case study and review the relevant

research literature. It will also be a requirement that students demonstrate advanced clinical capabilities in mental health nursing practice.

NURS5011
Advanced Nursing: Cellular Therapies
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit uses case-based discussion to assist in the development of a nursing perspective on the physiological consequences of illness. It will build on previous knowledge of the cellular and systemic organization of the body and its functions by developing existing conceptual schemas of the physiological basis of illness and provide a framework for professional dialogue with other health care professionals. Issues of quality use of medicines and clinical safety will provide a framework to explore a variety of pharmacotherapies, radiological and molecular diagnostic and therapeutic interventions associated with specified areas of practice.

NURS5012
Assessment and Clinical Judgement
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

Clinical judgment is an integral component of advanced and specialised nursing practice. Clinical judgment involves linking the outcomes of nursing assessment to the delivery of effective nursing care. This unit examines the knowledge, capabilities and clinical skills that are required to undertake nursing assessment in complex situations and will address the processes of knowledge generation and evaluation associated with the development of clinical judgment that informs advanced practice. The unit is generic in its application and is not therefore specific to any particular field of nursing. Students will have opportunities learn and refine their clinical capabilities in a supportive simulated environment. The unit is focused on learning and refining more advanced and specialised clinical capabilities now being required of registered nurses. Students will also focus on case analysis and case study methods.

NURS5013
Clinical Education
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Two essays, Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

The field of clinical education is explored in the context of the practice professions and continuing changes in technologies, information and evidence bases for practice. The unit involves a study of the literature on the nature of learned and performed skills, what factors affect changing understandings, beliefs, dogma and practice(s) in clinical settings. The unit is interdisciplinary in approach and has a fieldwork/practice component.

NURS5014
Clinical Education Practicum
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Corequisites:** NURS5013 **Assessment:** Literature review, Presentation, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Ger N, Grad Dip Clin Ed, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M Int Care N, M Int Care N (Hons), M M Hlth N, M M Hlth.

In this unit of study students will undertake an invivo clinical education performance component as well as written assessments. There will be a period of supervised clinical education during which students will learn about, and demonstrate that they are capable of mentoring, providing supervision and coaching of other clinicians. The relevant research literature of this area and other comparable field, such as performance studies, will be studied and students be required to compile a professional portfolio as part of their assessment.

NURS5015
Comparative Health Care Systems
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Essay, Three WebCT quizzes, Written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit of study critically analyses and compares contemporary national health care systems, and also locates them in an international context. Three broad themes are explored: (i) political ideologies and their effects to the organization of health care (including funding and resource allocation); (ii) issues of access and equity in health care, and (iii) models of care, primarily biomedical, allied health, and influential non-western approaches to care and the growing relationships between these models. These three themes provide the framework for exploring the nature and effectiveness of the Australian health care system, and also the health care systems of selected OECD and developing nations. These themes also inform a critical examination of the effects of globalisation on health and the delivery of care across national borders, particularly in relation to important current issues in international health and health care. Students will actively engage in a major research project related to one or more of these substantive areas.

NURS5017
Clinical Leadership
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** 2 study days **Assessment:** Essay - 5, 000 words Exam 3 hrs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ca N, Grad Cert Emerg N, Grad Cert H S M, Grad Cert Int Care N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Ger N, Grad Dip M Hlth N, M Mid, M Mid Res, M N Res, Nursing PG Cross-Inst.

The reading topic provides students with the opportunity to examine the literature in the area of gerontic nursing This enables the student to thoroughly explore an area of interest that is relevant to their individual learning needs. The student is expected to pursue their investigation as an independent scholar under the guidance of their academic mentor and to prepare a scholarly paper as a result of their investigation of the literature.

NURS5018
Reading Topic in Clinical Education
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** None - meetings with academic mentor **Assessment:** 6,000 word essay or literature review **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Clin Ed.

The reading topic allows students the opportunity to examine the literature in the area of education. This enables students to thoroughly explore an area of interest that is relevant to their individual learning needs.

NURS5019
Reading Topic in Gerontic Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** None - Meetings with academic mentor **Assessment:** 6000 word paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Dip Ger N.

The reading topic provides students with the opportunity to examine the literature in the area of gerontic nursing This enables the student to thoroughly explore an area of interest that is relevant to their individual learning needs. The student is expected to pursue their investigation as an independent scholar under the guidance of their academic mentor and to prepare a scholarly paper as a result of their investigation of the literature.

NURS5020
Reading Topic in Mental Health Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** None **Assessment:** 6000 word paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Dip M Hlth N.

The reading topic provides students with the opportunity to examine the literature in the area of mental health nursing This enables the student to thoroughly explore an area of interest that is relevant to their individual learning needs. The student is expected to pursue their investigation as an independent scholar under the guidance of their academic mentor and to prepare a scholarly paper as a result of their investigation of the literature.

NURS5021
Nursing, Midwifery and Work
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Assessment:** assignment, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

The nature of work in the fields of nursing and midwifery is examined in relation to historical, industrial and sociopolitical origins. The unit takes a critical evaluative focus on the perceptions and practices that have shaped the construction of these professions as stereotypical women's work. Students will have the opportunity to examine current issues such as: occupational health and safety; the effects of and assumptions underlying the organisation of shiftwork; patterns of global workforce migration, supply and demand and engagement with the workplace and the effects of such issues on the agency and professional boundaries of nurses and midwives. Wider issues such as the impact of the knowledge economy; globalisation; the increasing use of technology; shifting patterns of morbidity and mortality; and the deployment of nurses and midwives will also be examined.

NURS5022
Nursing Research Methods & Application
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** assignment, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit examines the ways in which nursing knowledge, practices and modes of service can be investigated and enhanced. The unit begins with the Nightingale legacy of statistical analyses of morbidity and mortality and their use as key indicators and evidence of nursing, health service and practice efficacy. This unit addresses the range of research designs, methodologies, data analysis/interpretation and processes of reporting that can be appropriately used in the development and evaluation of nursing practices and processes of care.

NURS5023
Palliative Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

The unit will critically analyse the developments of palliative care as a new specialty area in healthcare. It will focus on the physical, psychological and supportive approaches to symptom management, their role in improving the quality of life for individuals (and their families) living with a life threatening illness. The skills and knowledge nurses require as members of an

interdisciplinary team providing quality palliative care is explored. The unit will critique the WHO philosophy of active total care of patients whose disease is not responsive to curative treatment. The challenging goal of achieving the best quality of life for patients and their families within the contemporary Australian health care system will be explored.

NURS5024
Cancer Nursing Practice
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Prerequisites:** NURS5025 **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit will explore the evidence-based knowledge for best nursing practice in cancer treatment and care. The nurse's role in the diagnosis of cancer, treatment and follow up will be investigated. Biomedical approaches to cure and cancer control will be explored, and key principles of cancer nursing therapeutics addressed. The therapeutic nursing role of communicating with patients and their families, translating medical information, educating patients and families, and providing support will be investigated. The unit will also identify common side effects of the medical treatment for cancer and identify best practice for developing related supportive care strategies. The unit will further investigate how nursing services are being reconfigured in Australia to more appropriately meet the needs of people undergoing diagnostic tests or treatment for cancer, rather than for the those of the service or service provider.

NURS5025
Understanding Cancer Causes & Therapies
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit of study is a pre requisite for the field of cancer nursing and will provide the scientific basis for cancer nursing practice. The unit will explore cancer epidemiology, with a focus on identifying the determinants and distribution of cancer in defined populations. The reporting and measurement of cancer in Australia will be included.

Cancer as a genetic disease is explored and advances in understanding the biology of cancer is critiqued. Biological and physiological principles that support cancer treatments will be reviewed in detail.

NURS5026
Health Promotion in Cancer Recovery
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Prerequisites:** NURS5025 **Assessment:** assignment, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit will analyse the consequences of a cancer diagnosis and the subsequent treatment, on the individual and their family. The short and long term side effects, impact on quality of life, employment, physical and psychological functioning will be reviewed. Approaches to maximising the individual's recovery will be explored, with specific focus on the role of early interventions, and maintaining individual autonomy. Areas such as body image, fertility, employment, and management of fatigue will be a major focus of this unit.

NURS5027
Health Care Sector Management
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Briefing Paper, Essay, Online Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin N, Grad Cert Ger N, Grad Cert H S M, Grad Dip Mid, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M H S M, M Int Care N, M Int Care N (Hons), M.

This unit of study is designed to introduce students to the structure, function and work of managers in service organisations. This unit of study examines political and social issues impacting on public sector organisations and services (whether provided publicly or privately) with particular emphasis on the public sector reform activities in developed counties and the issues and dilemmas of public sector service provision in developing countries. This unit of study also provides the introductory framework for managing the operations, activities, finance and resources and quality of public services explored in subsequent units of study. While the emphasis of this unit will be predominantly health care, students will be required to explore the public sector literature and experiences more widely in order to construct a solid grounding in the management of public sector services and organisations.

NURS5028
Legal Studies for Health Care Managers
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** online **Assessment:** Journal Submission, Essay, Online Participation **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert H S M, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad D.

This unit will introduce students to an understanding of the Australian legal system and general principles and law governing health. This unit of study examines the constitutional and statutory sources of government power with respect to health care and the application of the law to health policy. This unit also explores government regulation of health care including resource allocation and professional practice. This unit also examines legal issues relating to professional liability in health care with a particular emphasis on managers and the management of health services.

NURS5029
Management in Aged Care I
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** assignment, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert H S M, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, G.

This is unit of study is designed to examine current aged care management issues and the contemporary political and policy initiatives underpinning management challenges in the aged care sector. This unit of study will also examine the contemporary legislative requirements in aged care (including the Aged Care Act 1997 and the Nurses and Midwives Act) as they relate to both residential and community aged care services. This unit of study also examines funding in the aged care sector, including the aged care funding instrument (ACFI).

NURS5030
Management in Aged Care II
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert H S M, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, G.

This unit of study extend concepts and areas examined in Management in Aged Care I. This unit examines issues of quality and safety in aged care, accreditation of aged care facilities and services, occupational health and safety in aged care and aged care in a multicultural community. Vignettes and simulated work scenarios will be interspersed throughout the unit of study to provide an environment for participants to discuss and debate issues and to investigate ways of implementing new ideas, knowledge and skills in their respective workplaces.

NURS5031
Managing Financial Resourses in Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive **Prerequisites:** NURS5025 **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert H S M, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad D.

This unit of study explores the resource issues impacting on the provision of nursing services. This unit requires a critical examination of the resource management tradition in nursing services and the impact of economic rationalism and managerialism on health politics and thinking and subsequently on nursing resource management. Issues such as the pressure for increased efficiency and effectiveness; increasing demand for health care services; growing consumer awareness and expectations and an increasing focus on quality improvement, better practice and clinical governance will be analysed and evaluated. This unit also explores the concepts of casemix, nursing cost weights and DRGs and their impact on the financial management of nursing services.

NURS5032
Reading Topic in Health Care Management
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** NURS5025 **Assessment:** Abstract, Reading Topic Plan, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert H S M, Grad Dip H S M, M H S M, M H S M (Hons).

The reading topic in management provides students with the opportunity to complete a comprehensive literature review of a defined management topic of their choice. Topics may be identified from any management area including: management practice, organisational behaviour, public policy and management, financial management, human resource management, information technology management, etc. Enrolment in this unit of study requires permission from the Associate Dean (Academic) who will appoint an appropriate supervisor, in consultation with the student. Students will be required to present a defence of their chosen topic and pursue their investigation as an independent scholar under the guidance of the nominated superviosr. Assessment will be based on submission of a scholarly paper as a result of their investigation.

NURS5033
Management Project
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert H S M, Grad Dip Mid, M H S M.

This unit is designed for students to undertake a minor research project in an area of interest or need in their workplace. Supervisors/academic mentors for this unit of study will be determined by the Course Coordinator in consultation with the relevant Head of Department/Associate Dean and the student. Assessment for this unit of study will be by successful completion of the research project and preparation of a research report for publication.

NURS5034
Trends and Issues in Gerontic Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** intensive mode **Assessment:** Book of Readings compilation & summaries, Presentation, literature review **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

The impact of advanced gerontic nurse practice on maintaining optimal health of older aldults in modern society is highlighted in this unit. Issues associated with an ageing population and the outcome of this phenomenon on modern society and in particular the health care system are examined. The concept of healthy ageing is a central focus of the unit. Psychological and sociological aspects of ageing are discussed as well as demography, morbidity and mortality trends, and socio-political issues. The influence of an ageing population on funding and service delivery will be critiqued and government aged care policy and guideline updates reviewed. The increased vulnerability of some groups of older adults is identified. The future of gerontic nursing is discussed in regard to a rapidly changing health service.

NURS5035
Field Placement
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Professional practice **Assessment:** Project **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

Associated degrees: Grad Dip H S M, M H S M.

This unit of study is designed to offer a flexible shell for students to engage with an area a management practice in which they wish to gain more experience or develop expertise. This management fieldwork unit provides opportunities for students to integrate theoretical studies with supervised management practice experience and to create a depth of understanding in their chosen area. Students are required to undertake a supernumery fieldwork placement for a minimum of six weeks either in the organisation in which they are currently employed or in an organisation affiliated with the University of Sydney and as part of the fieldwork experience students are required to complete a negotiated project.

The unit is intended primarily for students nearing the end of their course and enrolment depends on the suitability of the fieldwork request and the availability of appropriate supervision.

NURS5038
Consultation: Across the Age Continuum
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** Optional study days **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Mid, M Mid Res, M N Res, Nursing PG Cross-Inst.

This unit of study focuses on needs of patients across the age continuum with co-morbid mental health and physical conditions. Students will learn how to use the different models of consultation mental health nursing which are, age appropriate within the different clinical environments; from post-natal units to aged care services.

NURS5039
Principles & Philosophy of Consultation
Nursing and Midwifery

Credit points: 6 **Session:** S1 Intensive **Classes:** Optional study day **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Mid, M Mid Res, M N Res, Nursing PG Cross-Inst.

This unit of study focuses on needs of patients across the age continuum with co-morbid mental health and physical conditions. Students will learn how to use the different models of consultation mental health nursing which are, age appropriate within the different clinical environments; from post-natal units to aged care services.

NURS5040
Clinical Education Reading Topic
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Tutorials **Assessment:** Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Clin Ed.

The clinical education reading topic provides students with the opportunity to examine the literature in the area of education. This enables the student to thoroughly explore an area of interest that is relevant to their individual learning needs. Enrolment in this unit of study requires permission of the Associate Dean of Academic, who will appoint an appropriate academic mentor, in consultation with the student. The student is expected to pursue their investigation as an independent scholar under the guidance of their academic mentor and to prepare a scholarly paper as a result of their investigation of the literature.

NURS5041
Clinical Assessment-Consultation Nursing
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** Optional study days **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Mid, M Mid Res, M N Res, Nursing PG Cross-Inst.

This unit of study explores the complexities of assessing people with dual diagnosis within the context of mental health, physical conditions, alcohol and other drugs and developmental disabilities. Students will learn how to assess people from a consultation liaison perspective and develop skills relating to communicating assessment findings and potential diagnosis within the multidisciplinary team framework.

NURS5050
Community Analysis and Health Planning
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Distances education, seminars **Assessment:** Assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H S M, Grad Dip Mid, M H S M.

The framing of health policy and the subsequent delivery of health services at both the community and organisational level is underpinned by the planning environment, which consists of community needs analysis through demographic and epidemiological data collection and analysis, decision-making, program and service planning and evaluation. This unit of study is designed to provide students the opportunity to acquire knowledge and skills related to community analysis and health planning and its application to policy development and service delivery. Through this unit of study, students will have the opportunity to construct a framework on which to further develop their knowledge and skills in assessing health needs, determining health status, establishing health priorities, and formulating strategic and operational responses to health needs in the community and at the organisational level.

NURS5051
Current Issues in Critical Care Nursing
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** 2 study days **Assessment:** Essay - 5, 000 words Exam 3 hrs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ca N, Grad Cert Emerg N, Grad Cert H S M, Grad Cert Int Care N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin.

In this unit we will examine social and political issues that impact on the provision of patient care in Emergency and Intensive Care clinical practice in Australia and worldwide. In particular we will examine the changing scope of practice and provision of care across the continuum, particularly its impact on specialty nursing practice and patient outcomes. The further impact of politics and policy on resourcing and service provision will be considered within the context of intensive care and emergency services. As an important aspect of specialty practice students will undertake a focused and in-depth examination specifically related to their clinical specialty.

NURS5052
Foundations of Critical Care
Nursing and Midwifery

Credit points: 6 **Session:** S1 Intensive **Classes:** 2 study days **Assessment:** Essay - 5, 000 words Exam 3 hrs Clinical Assessment - mechanical ventilation or non-invasive ventilation Clinical Assessment - advanced life support Clinical Performance Appraisal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ca N, Grad Cert Emerg N, Grad Cert H S M, Grad Cert Int Care N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin.

In this unit of study, an expansion of Hume's Epistemology of Testimony will be applied with a specific focus on determining plausibility of information sources that are used to guide clinical practice and decisions. Within the context of contemporary Intensive Care and Emergency nursing practice, the unit will examine the imbalance between the discourse on the use of research in practice over the discourse on knowledge that is more generally used. As such, the unit will explore the premise of evidence-based practice and critically examine its influence in determining the plausibility of all information sources that nurses use to guide clinical practice and decisions.

NURS5053
Social Context of Critical Care
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** 2 study days **Assessment:** Essay - 5, 000 words Exam 3 hrs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ca N, Grad Cert Emerg N, Grad Cert H S M, Grad Cert Int Care N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin.

In this unit of study Hume's Epistemology of Testimony will be used as a basis from which students will examine the social, political, historical and technological issues that impact on Intensive Care and Emergency nursing practice and the development of these areas of specialty practice. Focusing on determining the authority of non-empiric sources of information and knowledge, students will explore the non-physical impact of critical illness on the patient and their family.

NURS5054
Emergency Nursing Practice
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** 2 study days **Assessment:** Essay - 5, 000 words Exam 3 hrs Clinical Assessment - one of acute coronary syndrome, traumatic brain injury, isolated limb trauma, major trauma Clinical Assessment - one of acute coronary syndrome, traumatic brain injury, isolated limb trauma, major trauma Clinical Performance Appraisal (final) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ca N, Grad Cert Emerg N, Grad Cert H S M, Grad Cert Int Care N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin.

In this unit of study, the accuracy of information used to make clinical decisions will be critically examined with particular reference to Hume's Epistemology of Testimony and the notion of corroborative information. The unit will explore relevant literature that supports contemporary Emergency Nursing practice and will examine why the accuracy of information is crucial to the successful and safe provision of nursing care. The concepts of "clinically meaningful outcomes" and "patient-oriented evidence that matters (POEMs)" will be critiqued with regard to their importance for Emergency nursing practice both from a historical as well as contemporary perspective. Finally, importance of these issues for future nursing practice will be examined.

NURS5055
Intensive Care Nursing Practice
Nursing and Midwifery

Credit points: 6 **Session:** S2 Intensive **Classes:** 2 study days **Assessment:** Essay - 5, 000 words Exam 3 hrs Clinical Assessment - one of continuous renal replacement therapy, intra-aortic balloon pump, intracranial pressure monitoring or advanced haemodynamic monitoring Clinical Assessment - one of continuous renal replacement therapy, intra-aortic balloon pump, intracranial pressure monitoring or advanced haemodynamic monitoring Clinical Performance Appraisal (final) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ca N, Grad Cert Emerg N, Grad Cert H S M, Grad Cert Int Care N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip H S M, Grad Dip Int Care N, Grad Dip M Hlth N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin.

In this unit of study, the accuracy of information used to make clinical decisions will be critically examined with particular reference to Hume's Epistemology of Testimony and the notion of corroborative information. The unit will explore relevant literature that supports contemporary Intensive Care nursing practice and will examine why the accuracy of information is crucial to the successful and safe provision of nursing care. The concepts of "clinically meaningful outcomes" and "patient-oriented evidence that matters (POEMs)" will be critiqued with regard to their importance for Intensive Care nursing practice both from a historical as well as contemporary perspective. Finally, importance of these issues for future nursing practice will be examined.

NURS6001
Nursing Observations and Bio Parameters
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures, tutorials **Assessment:** Mini-poster, Essay, Written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

Intelligent observation and monitoring of patients' progress characterises that aspect of nursing that has often been referred to as the 'art of nursing'. Technology enhances, complements, and increases the complexity of nurses' practices in observing and monitoring and can itself become the focus of practice without the development of embodied clinical expertise. This unit of study allows the students to develop an understanding of the scientific basis of nursing observations by establishing links to the physiological concepts that support the methodology used in observation and monitoring of people across the life span in nursing practice; and it also provides a basis for understanding how more sophisticated clinical capabilities, such as pattern recognition, develop with experience and mindful attention to clinical matters. The development of these clinical capabilities is assisted through examining the wider nursing spectrum of knowledge underpinning observation and monitoring in order to facilitate patient care, the development of effective nursing practices, and the generation of nursing knowledge

NURS6002
Maternity, Child & Adolescent Nursing I
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** lectures, tutorials, labs, clinical placements **Assessment:** Research roundtable, Family and Infant/Child Assessment Report, Group summary of article/topic, Written examination, Off-campus clinical record book **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

The family will provide the central organising frame through which conception, normal pregnancy, childbirth, early parenting, childhood and adolescence will be examined within this unit of study. Utilising a developmental life stage approach, issues and current nursing/midwifery research and practice related to preconception, pregnancy, childbirth, care of the newborn through to adolescence will be discussed and analysed. The great diversity of family structures and life in modern Australia will be addressed to enable students to understand the role of the nurse in assisting families during life transitions such as becoming parents. Normal childhood and adolescent developmental stages will be addressed in order to provide a frame of reference for recognising deviations and the potential for disruption to the health and wellbeing of the individual and their family. Disruptions to health that may require hospitalisation, and the subsequent impact on the individual (newborn, child and/or adolescent) and their family will be examined within the unit of study.

NURS6003
Nursing Care for Chronic Conditions
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures, tutorials, labs, clinical placements **Assessment:** Essay, Written examination, Medication Calculation Test, Clinical Performance Assessment, Off campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

This unit of study addresses nursing practices designed to meet the needs of individuals and families who are either living with long-term health conditions or terminal illness. An emphasis is placed on an holistic approach to nursing care in a variety of health care settings. Continuity of care between hospital and community settings is emphasized, using a case management model of care. Upon completion of this unit, students will have acquired an understanding of the nature of chronic illness and the demands these illnesses place on individuals, their families and communities. Students will be able to: (i) identify and describe the most common chronic health conditions experienced by the Australian population, and (ii) assess, plan and implement nursing care for these patients and evaluate the effectiveness of their care. For patients and their families experiencing the terminal phase of an illness, students will be able to provide appropriate symptom management and psychosocial care to ensure a peaceful death. In the case of Indigenous health, students will study the importance of community involvement in care delivery for affected individuals. The unit will involve a period of supervised clinical experience in practice settings where students may experience caring for chronic conditions using a case management approach.

NURS6004
Nursing and the Politics of Health Care
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures, tutorials **Assessment:** 3 quizzes on WebCT, Tutorial Group Presentation & Summary, Essay, Written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

The organisation and delivery of health care, including nursing care, is always a political matter. In this unit of study students explore the politics of health care in Australia, with particular emphasis on prevailing discourses about health, illness and the provision of care. The Australian health care system is compared with other formal systems of care, particularly in relation to health policy, resource allocation and issues of access and equity. In addition, the recent political history of health care in Australia is explored. The unit also critically analyses contemporary nursing models of care, and the ways in which these are affected by political forces. Finally, current political issues and debates (including those concerning nursing) in Australia and internationally are studied, including the ways in which these are affecting health policy and the delivery of care.

NURS6005
Acute Care and Nursing Practice II
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs, tutorials **Prerequisites:** NURS5008 and NURS6001 **Assessment:** assignments, exam, clinical assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

This unit of study addresses nursing practices and interventions that are designed to meet the needs of seriously or critically ill patients being nursed in high acuity settings of acute hospitals. It builds on the knowledge, capabilities and experiences gained in Acute Care and Nursing Practice I. The unit specifically focuses on high acuity environments, technological possibilities within such environments and their effects on the patient. The unit will examine acute life threatening health care problems, such as, interruption to: circulation; neurological function; respiratory function; and elimination. Physiological compensatory mechanisms, nursing assessment and specific biomedical and nursing interventions are investigated.

NURS6006
Mental Health Nursing Practice II
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs,tutorials **Prerequisites:** NURS5007 **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

This unit extends knowledge and skills introduced in the unit of study, Mental Health Nursing Practice I. The principles of primary health care will be integrated in the development of nursing care for people experiencing identified psychopathologies in acute mental settings, and for individuals experiencing enduring chronic mental illness. The principles of least to most restrictive mental health nursing environments (as per the National Standards of Mental Health Care) will be examined. Issues of more complexity within mental health will be addressed. The effect of dynamic influences such as substance use, and homelessness on the mental health and lifestyle of the individual and family and/or significant others will be considered. Post-traumatic stress in relation to victims of violence, trauma and incarceration will be explored. Students in this unit of study will identify and critique published research as it informs their developing practice and relates to the development of mental health nursing. They will also appraise research development opportunities in mental health

by identifying research possibilities for mental health nursing and society.

NURS6007
Community Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, labs, tutorials **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

Increasingly complex and chronic health conditions are being managed in the community. This unit of study examines the major concepts and principles of community health nursing including self care, continuity of care, primary health care, health promotion/ illness prevention, community assessment, family assessment, and home care. Approaches to the provision nursing care for people of all ages with acute, chronic or life threatening illness in settings where they live will be critiqued. Particular attention is given to the home visit process; its therapeutic nature, communication skills and safety issues. Epidemiological concepts and methodologies integral to community health nursing are explored. Students undertake a community assessment using a 'community profile' approach. This approach will be extended to explore and plan for the health needs of vulnerable groups within the Australian community including Aboriginal and Torres Strait Islanders, people living with disability, minority cultural groups and the homeless. Community clinical placements afford students the opportunity to consolidate and integrate theoretical knowledge and community nursing practice.

NURS6008
Inquiry and Research in Nursing
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** lectures, tutorials **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M N.

This unit of study builds on the research roundtable that is studied in previous units. Two key areas are emphasised in this unit: (i) students' ability to communicate research in nursing practice; and (ii) understanding research approaches that have proved successful for improving nursing practice(s) and patient care. In this unit, students will be required to develop a repertoire appropriate to working in a research-informed manner, identifying areas where research could enhance practice, being skilled in accessing and assessing research relevant to particular clinical issues, and integrating research into their professional practice. Where appropriate, students will participate actively in research projects and all students will learn to present research papers.

NURS6009
Literature Review A
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Presentation, written paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D M, D N.

The published works relevant to the student's proposed project, in broad terms, are reviewed. In this unit the specific focus is on historical, theoretical and policy-related subject matter. Searching will be assisted by working through the various means of finding relevant sources and becoming familiar with search techniques using print based materials, in the main, managing diverse information sources and deriving insights from them. At the end of the semester's work, the student will be required to present a written paper of 5,000 to 7,000 works summarizing their search, its key insights and questions arising from the review. The paper is expected to be of publishable standard.

NURS6010
Clinical Qualitative Research
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** intensive mode **Assessment:** 2 Essays, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

This unit explores the specific issues related to the use of qualitative research in clinical settings and with clinical populations. In particular, it explores the appropriate uses of a qualitative research methodology in which the experiences of people with a health issue or illness are being researched. The unit focuses specifically on research approaches where human social interaction and/or observation is fundamental to the collection of data. The unit explores issues of design, methods of data collection, ethical and clinical considerations as well as matters related to rigor, analysis and reporting of results.

NURS6011
Practice Development Project
Nursing and Midwifery

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Supervised work **Assessment:** Practice project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Ca N, Grad Cert Clin Ed, Grad Cert Clin N, Grad Cert Emerg N, Grad Cert Ger N, Grad Cert Int Care N, Grad Cert M Hlth N, Grad Dip Ca N, Grad Dip Clin Ed, Grad Dip Clin N, Grad Dip Emerg N, Grad Dip Ger N, Grad Dip Int Care N, Grad Dip M Hlth N.

Students who elect to undertake this unit of study will have the opportunity to do advanced work on an area of practice, or a particular practice, in Nursing or Midwifery. The project will generally involve three stages: first, conducting a review of the available research literature; second, examining other forms of evidence, such as written policies and protocols or actual practices; and third, composing a written report on the ways in which practice can be enhanced and/or further investigated by original research. This project will be highly suited to currently practising nurses and midwives whose professional responsibilities and interests include clinical leadership, practice development and/or the use of evidence in practice.

NURS6012
Nursing Dissertation
Nursing and Midwifery

Credit points: 24 **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Ca N (Hons), M Clin Ed (Hons), M Clin N (Hons), M Emerg N (Hons), M Ger N (Hons), M Int Care N (Hons), M M Hlth N (Hons), M Mid Res (Hons), M N Res (Hons).

This 24 credit poin dissertaion will provide nurses with the opportunity to write a detailed proposal for a research problem/issue arising from their clinical practice area. Alternatively students may develop a scholarly work that would document a detailed advanced investigation on a topic area of professional interest or for an identified nursing issue/problem. Both options require that the student demonstrate the application of scholarly literature to the topic/area and advanced writing skills.

NURS6013
Literature Review B
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Written paper, presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D M, D N.

The published research works on student's proposed project are reviewed. Searching will be assisted by direct experience in established search techniques, e.g. systematic reviews, using electronic databases in particular. At the end of the semester's work, the student will be required to present a written paper of 5,000 to 7,000

works summarizing their search, its key findings, and questions arising from the review. The review is expected to be of publishable standard.

NURS6014
Research Methods and Design A
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: D M, D N.

A range of interactive/qualitative methodological approaches are studied for their philosophical and methodological merits. As well as the classical qualitative approaches, the unit examines case study methodology, policy analysis and historical inquiry as well as more forensic approaches as they apply in health care.

NURS6015
Research Methods and Design B
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: D M, D N.

This unit of study is designed to assist students successfully execute a research design in which the dataset is primarily statistical. The unit will assist students in the design of their study, the framing of their research questions/hypotheses and the analysis of their data. Ideally, students should be familiar with basic statistics and the nomenclature of quantitative research approaches. The use of statistical software will be a feature of this unit of study.

NURS6016
Maternity, Child & Adolescent Nursing II
Nursing and Midwifery

Credit points: 6 **Session:** S1 Intensive **Classes:** Lectures, tutorials, independent learning and clinical **Prerequisites:** NURS6002 Maternity, Child & Adolescent Nursing 1 **Assessment:** Written work (assessment, interaction and case study), examination, and clinical performance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M N.

This unit of study will continue to build upon the content areas covered in Maternity, Child & Adolescent Nursing I. The family will remain as the central organising frame through which conception, normal pregnancy and minor deviations in pregnancy, childbirth, early parenting, childhood and adolescence will be further examined. While a developmental life stage approach will be maintained, there will be a greater emphasis on specific conditions requiring nursing care. For example this unit of study will extend the scope of content to include nursing care of infants, children and adolescents with conditions that result in compromised breathing (such as bronchiolitis and asthma), circulation (such as congenital cardiac defects), fluid balance (such as gastroenteritis and eating disorders) and mobilisation (such as congenital dislocation of the hip and fractures).

This unit of study will include the nursing care required in situations where a baby/child/adolescent requires surgery. Accident prevention and actions to enhance health will be discussed. The use of medications for paediatric patients will be discussed in relation to the nursing care and specific conditions. Throughout this unit of study cultural and indigenous health practices and their potential implications for the care provided in these situation will be considered.

NURS6020
Advanced Nursing Practicum 1
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1 **Classes:** Supervisied work. **Assessment:** Clinical assessment and project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin N, Grad Cert Ger N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M Int Care N, M Int Care N (Hons), M M Hlth N, M M Hlth N (Hons), M Mid Res, M Mid Res (Hons).

This semester one unit of study provides the student with the opportunity to undertake systematic inquiry related to clinical issues and develop behaviours relevant to advanced clinical practice appropriate to their specific area of study. Outcomes of this unit include the development of competent cliinical, professional and ethical practice at an advanced level, the ability to contribute and work collaboratively within the health care team and to advance knowledge generation.

NURS6021
Advanced Nursing Practicum 2
Nursing and Midwifery

Credit points: 6 **Session:** Semester 2 **Classes:** Tutorials **Assessment:** clinical practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin N, Grad Cert Ger N, M Ca N, M Ca N (Hons), M Clin Ed, M Clin Ed (Hons), M Clin N, M Clin N (Hons), M Emerg N, M Emerg N (Hons), M Ger N, M Ger N (Hons), M Int Care N, M Int Care N (Hons), M M Hlth N, M M Hlth N (Hons), M Mid Res, M Mid Res (Hons).

This semester two unit of study provides the student with the opportunity to undertake systematic inquiry related to clinical issues and develop behaviours relevant to advanced clinical practice appropriate to their specific area of study. Outcomes of this unit include the development of competent cliinical, professional and ethical practice at an advanced level, the ability to contribute and work collaboratively within the health care team and to advance knowledge generation.

NURS6050
Literature Review
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** literature review **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: D H S M.

In this unit students are required to undertake an examination of the research literature related to health services management and analyse and critique the main research paradigms and outcomes. They will examine the literature in their area of particular interest and evaluate the effectiveness of various approaches to research. Students may use this literature review as part of their thesis.

NURS6051
Research Proposal
Nursing and Midwifery

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** research proposal, seminar **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: D H S M.

This unit of study has one of two outcomes. Candidates may either submit a completed proposal to the University Human Ethics Committee where this may constitute a requirement for their doctoral thesis, or a written research proposal related to their doctoral work. In either case, students will be required to verbally defend their proposal and a postgraduate seminar.

University postgraduate units of study – O

OCCP5051
Environmental Modification Measurement
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Bridge **Session:** Semester 2 **Classes:** Distance education. Independent learning with email support, three teleconferences and option for formative assessment **Prerequisites:** Prior experience with Access Auditing or home visiting (usually satisfied by an UG degree in OT or the completion of OCCP1036 Human Occupations 1B) **Assessment:** Video (40%), 3000 word report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, Health Sciences PG Non Award, M Hlth Sc (OT), M Hlth Sci, M O T, PG Coursework Exchange.

This unit of study examines formal and informal tools that have been developed to evaluate the impact of the built environment for persons with disabilities. These tools include checklists and post occupancy evaluation protocols. In addition students will develop skill in correct use and practice with retractable measures, builders levels, stud finders, light meters and load measures. This will be achieved through practice utilising tools during tutorial sessions as well as practice utilising tools to evaluate buildings within their community. Students will examine the theoretical base, underlying assumptions, strengths, limitations and suitability for use in assessing the built environment. Learning experiences include three tele-tutorials, email and peer study support groups and the use of video for modelling, self-reflection and practical skill assessment.

Textbooks
Course manual or workbook may be required

OCCP5053
Environmental Modification Foundations
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Bridge **Session:** Semester 1 **Classes:** Intensive block mode (2 days) with independent learning and email support **Assessment:** Two 3000 word reports (50% ea) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Open to MOT students

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, Health Sciences PG Non Award, M Hlth Sc (OT), M Hlth Sci, M O T, PG Coursework Exchange.

This unit of study is delivered as a combination of a weekend workshop and independent learning. It examines the expertise that can be acquired via application and interpretation of regulatory standards viewed within a foundational framework of human, activity and spatial interactions. Material to be covered will include general principles for design of buildings to enhance access and mobility. Design standards will be examined in relation to their history, assumptions, applicability and research base. Students will critically evaluate the appropriate application of standards in eliminating access barriers both publicly and privately. Learning experiences include student discussion and problem solving around clinical cases.

Textbooks
Course manual or workbook may be required

OCCP5054
Environmental Modification Communication
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Bridge **Session:** Semester 2 **Classes:** Distance education, independent learning with 2 teleconferences and option for formative assessment **Assessment:** Audio cassette (40%), 3000 word report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Open to MOT students

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, Health Sciences PG Non Award, M Hlth Sc (OT), M Hlth Sci, M O T, PG Coursework Exchange.

This six-credit point distance education subject is run over the whole semester. Students will analyse the communication needs of a range of stakeholders (clients, architects, builders and tradesman) in order to determine the knowledge and skills required for getting their environment expertise utilized. To achieve this students will apply basic consulting skills using verbal and written media. The basis distance learning materials are packaged electronically and are accompanied by two teleconferences and ongoing support via the internet.

Textbooks
Course manual or workbook may be required

OCCP5055
Computer Aided Drafting for OT
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Bridge **Session:** Semester 1 **Classes:** Intensive block mode (2 days) with independent learning and email support **Assessment:** 2000 word report (40%), set of drawing demonstrating CAD mastery and graphic symbol manipulation (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Open to MOT students

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, Health Sciences PG Non Award, M Hlth Sc (OT), M Hlth Sci, M O T, PG Coursework Exchange.

This unit of study is delivered as a combination of a weekend workshop and independent learning. It focuses on occupational therapy skills in representing changes to the built environment using drawing techniques. Students examine various computer aided design (CAD) packages that can be used to simplify and facilitate representation of problems and potential solutions in building design. Students also learn how to critically select and operate CAD software to produce appropriate plan drawings and front and side elevations. Learning experiences include overview of graphic communication principles, case presentations and problem solving tutorials using a range of CAD software.

Textbooks
Course manual or workbook may be required

OCCP5068
Program Evaluation
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Chris Chapparo **Session:** Semester 1 **Classes:** 3 day intensive block with independent learning **Assessment:** Continuous assessment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

This unit is designed to introduce participants to many of the issues and practices in evaluation of occupational therapy programs. The context will focus on exploration of issues in occupational therapy program evaluation; developing evaluation questions and design that are realistic within an occupational therapy work environment; examining and critiquing program evaluations that have been completed; application of program evaluation principles to various occupational therapy work environments and development of an evaluation proposal that is based on the evaluation needs of participants.

OCCP5074
Problem Identification I

Health Sciences

Credit points: 4 **Session:** Semester 1 **Classes:** 3 hours/week on campus. **Assessment:** Assignments. **Practical field work:** A three week fieldwork placement contributes to units of study in semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organisations and communities, with the focus being the consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments, and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

OCCP5075
Problem Identification 2
Health Sciences

Credit points: 4 **Session:** Semester 2 **Classes:** 3 hours/week on campus. **Assessment:** Assignments. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organisations and communities, with the focus being the consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments, and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

OCCP5076
Activity Adaptation 1
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** 3hrs/week on campus **Assessment:** Assignments **Practical field work:** A three week fieldwork placement contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will learn to analyse and adapt daily activities from different theoretical perspectives appropriate to client roles, including the biocognitive and psycho-socio-cultural factors which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

OCCP5077
Activity Adaptation 2
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** 3 hours/week on campus. **Assessment:** Assignments. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will learn to analyse and adapt daily activities from different theoretical perspectives appropriate to client roles, including the biocognitive and psycho-socio-cultural factors which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

OCCP5079
OT Intervention 2
Health Sciences

Credit points: 4 **Session:** Semester 2 **Classes:** 3 hours/week on campus. **Assessment:** Assignments. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

OCCP5086
Problem Identification in Practice 1
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Ruth Beltran **Session:** Semester 1 **Classes:** 3hrs/wk for 6 weeks on campus **Assessment:** Skills viva examination, assignments, performance in the field **Practical field work:** Performance in the field (6 weeks) contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their skills in problem identification. Students will continue this development largely in fieldwork settings. Their case based learning will continue using problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

OCCP5087
Problem Identification in Practice 2
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Ruth Beltran **Session:** Semester 2 **Classes:** 1hr/wk on campus **Assessment:** Assignments, performance in the field, final examinations **Practical field work:** Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their skills in problem identification. Students will continue this development largely in fieldwork settings. Their case based learning will continue using problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

OCCP5088
Activity Adaptation in Practice 1
Health Sciences

Credit points: 2 **Session:** Semester 1 **Classes:** 3hrs/wk for 6 weeks on campus **Assessment:** Skills viva examination, assignments, performance in the field **Practical field work:** Performance in the field (6 weeks) contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will apply their theoretical and practical knowledge of activity analysis and adaption in the fieldwork setting. Students will be applying

what they have learnt during the first year of this unit in to other units and in to their occupational therapy assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

OCCP5089
Activity Adaptation in Practice 2
Health Sciences

Credit points: 2 **Session:** Semester 2 **Classes:** 1hr/wk on campus **Assessment:** Assignments, performance in the field, final examinations **Practical field work:** Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will apply their theoretical and practical knowledge of activity analysis and adaption in the fieldwork setting. Students will be applying what they have learnt during the first year of this unit in to other units and in to their occupational therapy assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

OCCP5090
OT Intervention in Practice 1
Health Sciences

Credit points: 4 **Session:** Semester 1 **Classes:** 3hrs/wk for 6 weeks on campus **Assessment:** Skills viva examination, assignments, performance in the field **Practical field work:** Performance in the field (6 weeks) contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

OCCP5091
OT Intervention in Practice 2
Health Sciences

Credit points: 4 **Session:** Semester 2 **Classes:** 1hr/wk on campus **Assessment:** Assignments, performance in the field, final examinations **Practical field work:** Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

OCCP5092
Evaluation and Research in Practice 1
Health Sciences

Credit points: 4 **Session:** Semester 1 **Classes:** Independent learning **Assessment:** Assignment, performance in the field **Practical field work:** Performance in the field (6 weeks) contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

This unit of study focuses on evidence based practice. Students will explore in more detail what this term means and how it is being applied for occupational therapists and others in the health field. Students will gather evidence for an aspect of OT practice they experience in their fieldwork and this will be the focus of the assignment in this semester.

OCCP5093
Evaluation and Research in Practice 2
Health Sciences

Credit points: 4 **Session:** Semester 2 **Classes:** Independent learning **Assessment:** Assignments, performance in the field **Practical field work:** Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will either design or conduct an evaluation or piece of research in the field during their fieldwork placement. Whether you actually collect the data and write up the results or fully develop a detailed proposal based on the fieldwork placement will be determined by the nature of the placement and what is appropriate in the setting. This is an opportunity to apply what they have learnt previously in the MOT about research and its use in program evaluation to an actual program and client group.

OCCP5094
Professional Management in Practice 1
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** 2hrs/wk for 6 weeks on campus **Assessment:** Assignments, performance in the field **Practical field work:** Performance in the field (6 weeks) contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

OCCP5095
Professional Management in Practice 2
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** 1hr/wk on campus **Assessment:** Assignment, performance in the field **Practical field work:** Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

OCCP5096
Professional Presentation in Practice 1
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** 2hrs/wk on campus **Assessment:** Assignments, performance in the field **Practical field work:** Performance in the field (6 weeks) contributes to all units of study in Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

OCCP5097
Professional Presentation in Practice 2
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** 1hr/wk on campus **Assessment:** Assignments, performance in the field **Practical field work:**

Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

OCCP5098
Elective Topic
Health Sciences

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** Depends on individual learning contract **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T, PG Coursework Exchange.

For some students an elective topic will be developed specifically for them in consultation with an academic adviser. This will take the form of individual learning contract.

OCCP5133
Inquiry Topic 1
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning, contract arrangement with supervisor **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

OCCP5134
Inquiry Topic 2
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning, contract arrangement with supervisor **Assessment:** Assignments **Practical field work:** Depends on nature of topic **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

Textbooks
List of core references available

OCCP5136
Dissertation
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Distance education/flexible delivery **Assumed knowledge:** Normally student doing OCCP5136 Dissertation has already completed 48 credit points **Assessment:** 12,000 word dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sc (OT), M Hlth Sc (OT), M Hlth Sc (OT) Hons, PG Coursework Exchange.

The honours dissertation is an extra 12 credit points unit of study in addition to the 48 credit points required to complete the Master of Health Science (Occupational Therapy) course. It is recommended that students who are qualified to do Honours and have decided to do so should start developing their literature review within an inquiry topic/inquiry project unit of study during the semester prior to the Honours semester which then leads on to the development of an honours dissertation in the Honours year. It is stipulated in the Discipline's master's coursework document that the honours dissertation is an opportunity to understand an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

OCCP5143
Driving Assessment and Training A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Bernadette Walsh **Session:** Semester 1, Semester 2 **Classes:** Intensive block mode, on-campus (2 weeks full-time, 9am to 5pm) **Corequisites:** OCCP5144 Driving Assessment and Training B **Assumed knowledge:** This unit of study is available only to qualified occupational therapists with a minimum of two years experience. Less than two years experience requires permission of the instructor **Assessment:** 4 assignments (worth 25% each). Participants must pass or receive a passing mark for all pieces of assessment. Students can apply to be given an opportunity to resubmit any pieces of work that are not of passing standard **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit of study must be taken concurrently with OCCP5144 Driving Assessment and Training B and are conducted in the same two week block. Please check website for the dates of the block mode.

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

These units of study are designed to provide the participant with the knowledge and skills necessary to complete comprehensive driving assessments and to design appropriate rehabilitation programs for clients with a variety of disabilities. Learning experiences include formal lectures, a variety of practicums (several with clients with disabilities), problem solving tutorials and student reading on: biomechanical, sensorimotor, cognitive and psychosocial aspects of driving, defensive driving techniques, road craft theory and application, vehicle prescription, modification prescription, off-road and on-road assessment methodology, design of driver rehabilitation programs, medico-legal issues and licensing policy and procedures. Successful completion of this course will qualify occupational therapists to be registered with the appropriate state licensing authorities as registered driving assessors. OCCP5143 Driving Assessment and Training A and OCCP5144 Driving Assessment and Training B must both be taken concurrently and are conducted in the same two week block.

Textbooks
List of references will be supplied.

OCCP5144
Driving Assessment and Training B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Bernadette Walsh **Session:** Semester 1, Semester 2 **Classes:** Intensive block mode, on-campus (2 weeks full-time, 9am to 5pm) **Corequisites:** OCCP5143 Driving Assessment and Training A **Assumed knowledge:** This unit of study is available only to qualified occupational therapists with a minimum of two years experience. Less than two years experience requires permission of the instructor **Assessment:** 7 assignments: assessment of client and report (58%) and 6 post-course reports (42%). Participants must pass or receive a passing mark for all pieces of assessment. Students can apply to be given an opportunity to resubmit any pieces of work that are not of passing standard **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit of study must be taken concurrenlty with OCCP5143 Driving Assessment and Training A and are conducted in the same two week block. Please check website for the dates of the block mode.

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

These units of study are designed to provide the participant with the knowledge and skills necessary to complete comprehensive driving assessments and to design appropriate rehabilitation programs for clients with a variety of disabilities. Learning experiences include formal lectures, a variety of practicums (several with clients with disabilities), problem solving tutorials and student reading on: biomechanical, sensorimotor, cognitive and psychosocial aspects of

driving, defensive driving techniques, road craft theory and application, vehicle prescription, modification prescription, off-road and on-road assessment methodology, design of driver rehabilitation programs, medico-legal issues and licensing policy and procedures. Successful completion of this course will qualify occupational therapists to be registered with the appropriate state licensing authorities as registered driving assessors. OCCP5143 Driving Assessment and Training A and OCCP5144 Driving Assessment and Training B must both be taken concurrently and are conducted in the same two week block.

Textbooks
List of references will be supplied

OCCP5145
Research Elective Independent Study
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc/Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning **Assumed knowledge:** BACH1143 Designing Health Research and BACH1145 Quantitative Health and Social Research and BACH1147 Qualitative Health and Social Research, or equivalent **Assessment:** 6000 word assignment (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: For Occupation and Leisure Sciences graduate research students only

Associated degrees: Grad Cert Hlth Sc (OT), M App Sc (Orth), M Hlth Sc (OT), PG Coursework Exchange.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

Textbooks
Course notes and readings provided dependent on the research methodology used

OCCP5179
Problem Identification in Practice 1A
Health Sciences

Credit points: 2 **Session:** Semester 1 **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignments. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their skills in problem identification. Students will continue this development via skills based workshops. Emphasis will be placed on exploring conceptual issues which underpin problem identificaton in practice.

Textbooks
No prescribed textbooks.

OCCP5180
Activity Adaption in Practice 1A
Health Sciences

Credit points: 1 **Session:** Semester 1 **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will apply what they have learned during the first two units in this area via skills based workshops. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaptation.

Textbooks
No prescribed textbooks.

OCCP5181
OT Intervention in Practice 1A
Health Sciences

Credit points: 2 **Session:** Semester 1 **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their theory base and akills in occupational therapy intervention. They will continue this development via skills based workshops that focus on the types of issues that arise in practice. The emphasis for this unit will be the conceptual issues that underpin occupational therapy practice as well as implemetation of practice.

Textbooks
No prescribed textbooks.

OCCP5182
Problem Identification in Practice 1B
Health Sciences

Credit points: 2 **Session:** Semester 1 **Classes:** On-campus 1.5hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment, performance in the field. **Practical field work:** Performance in the field, 6 weeks, contributes to all units of study in semester 1. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their skills in problem identification. Students will continue this development largely in Fieldwork settings. Case based learning will use problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

Textbooks
No prescribed textbooks.

OCCP5183
Activity Adaptation in Practice 1B
Health Sciences

Credit points: 1 **Session:** Semester 1 **Classes:** On-campus 1.5 hrs/week for 6 weeks. **Assessment:** Skills viva examination, assignment, performance in the field. **Practical field work:** Performance in the field, 6 weeks, contributes to all units of study in Semester 1. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will apply their theoretical and practical knowledge of activity analysis and adaptation in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaptation.

OCCP5184
OT Intervention in Practice 1B
Health Sciences

Credit points: 2 **Session:** Semester 1 **Classes:** On-campus 1.5 hrs/week for 6 weeks **Assessment:** Skills viva examination, assignment, performance in the field. **Practical field work:** Performance in the field, 6 weeks, contributes to all units of study in semester 1. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M O T, PG Coursework Exchange.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will develop this largely in field work settings using case based learning, problems and issues that arise in the field work setting. The emphasis for this unit will be the conceptual issues that underpin occupational therapy practice as well as implementation of practice.

Textbooks
No prescribed textbooks.

OCCP5185
Selected Topic
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Flexible mode **Assessment:** Assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), M Hlth Sc (OT), PG Coursework Exchange.

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the Discipline can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

OCCP5186
Theory in Occupational Therapy
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Ruth Beltran **Session:** Semester 1 **Classes:** Web-based **Assessment:** Contribution to online discussion, equivalent to 2800 words (50%), 1200 word assignment (20%), 2000 word assignment (30%) **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M App Sc (OT), M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

The purpose of this unit of study is for students to investigate theoretical and practice issues that impact on knowledge development and practice in occupational therapy. Epistemological orientation to theory development and practice, conceptual and theoretical structures in occupational therapy, and framework for theory description, analysis, and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an enhanced ability to critically appraise theoretical frameworks and conceptual models relevant to occupational therapy. Furthermore the student will engage in an in-depth analysis of a relevant theoretical framework or conceptual model and examine its application and impact on relevant areas of practice and research.

Textbooks
No text book

OCCP5187
Falls Prevention With Older People
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 2 **Classes:** Distance education, web-based module **Assessment:** Contribution to web-based discussions (40%), 4000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** On-line

Note: Available to MOT students

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M App Sc (OT), M Hlth Sc (Geront), M Hlth Sc (OT), M Hlth Sci, M O T, PG Coursework Exchange.

This subject is designed to explore in depth the evidence base for interventions related to intrinsic and extrinsic risk factors for falls in older people. The content will be multifactorial. The unit will also provide an orientation to the conceptual framework and models that underpin falls prevention practice, with an emphasis on community contexts. The written assignment will provide an opportunity to explore and apply relevant theory to a chosen intervention and context in falls prevention.

Textbooks
Clemson L, Swann M, Twible R, Cumming RG, Kendig H & Taylor K, Stepping On: Building Confidence and Reducing Falls. A Community Based Program for Older People. The University of Sydney, Lidcombe, NSW (2003)
Lord SR, Sherrington C & Menz HB, Falls in Older People. Risk Factors and Strategies for Prevention. Cambridge University Press, Cambridge (2001)

OCCP5189
Consultation: The Other Service Delivery
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Professor Anita Bundy **Session:** Semester 2 **Classes:** 5 day workshop with a WebCT mode **Assessment:** 3000 word report of consultation (50%), oral presentation (30%), self assessment (20%) **Practical field work:** This course provides students with the knowledge base and skills needed to deliver health care services through consultation **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M App Sc (OT), M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

Collaborative (process) consultation is about helping clients solve their own problems. It can be used, in health care, education, and other settings as an adjunct to, or in place of, direct intervention with adults or children. The course explores various models of consultation with an emphasis on building collaborative relationships and conducting process consultation. We apply principles of consultation to the students' practice environments. Critical components of the course include interpersonal communication, collaborative problem solving, and interviewing. The course will involve conducting a consultation intervention with mentoring from the instructor and classmates. There is a WebCT component.

Textbooks
Schein EH, Process Consultation Revisited: Building the Helping Relationship. Addison Wesley, Sydney (1999)

OCCP5191
Assessing Play: ToP to TOES
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Prof Anita Bundy **Session:** Semester 1 **Classes:** 3 day block mode **Assumed knowledge:** Moderate knowledge of normal child development **Assessment:** 3000 word paper **Practical field work:** Students learn to administer, score, and interpret the results of the assessments **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Available to MOT students

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M App Sc (OT), M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

This course provides students with in-depth knowledge of two observational assessments of children's play: The Test of Playfulness (ToP) and the Test of Environmental Supportiveness (TOES). The ToP is based on a conceptualisation of play that includes intrinsic motivation, internal control, the freedom to suspend some aspects of reality, and the ability to give and read cues. The TOES is set in the context of children's motivations for play and examines the supportiveness of various aspects of the environment.

OCCP5193
Handwriting: Written Expression II
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Chris Chapparo **Session:** Semester 2 **Classes:** Two day block mode with independent learning **Assessment:** Assessment options will be offered that include: Case based assessment using therapists' own clinical experiences and data and critical reviews of literature on written expression and handwriting. **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M App Sc (OT), M Hlth Sc (OT), M Hlth Sci, PG Coursework Exchange.

This unit of study follows on from Handwriting, Written Expression and Tool Use I, to focus on the expectations of handwriting in upper primary and high school. Difficulties that older children with learning disabilities experience with the written text types expected within the school curriculum during later school years will be explored. Particular emphasis will be placed on the role of occupational therapy in the assessment and intervention for problems with planning and organisation of written work, legibility and readability.

Textbooks
Nil

OCCP5201
PRPP System of Assessment
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Judy Ranka **Session:** Semester 2 **Classes:** 4 days on campus and independent study program **Prohibitions:** OCCP5152 Measuring Occupation: Neurology I, OCCP5153 Measuring Occupation: Neurology II, OCCP5200 PRPP System of Assessment Introduction **Assessment:** 6000 word assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci.

Students will learn to reliably administer the Perceive, Recall, Plan & Perform system of assessment: an ecological measure of occupational performance skill and the information processing operations that

support or interfere will skilled performance. Theoretical information that supports constructs and design of this assessment will be reviewed, as well as information about its reliability and validity. Students will learn to use findings from the assessment to develop measurable goals. In addition, students will complete an independent study program that focuses on in-depth exploration of literature about information processing as it relates to occupational therapy and cognitive impairments in a particular client group. Findings from this literature search will be used by students to strengthen their rationales for using the PRPP system in practice.

Textbooks
PRPP Research Training Manual to be purchased

OCCP5206
Specialist Intervention
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Lindy Clemson **Session:** Semester 1, Semester 2 **Classes:** Independent learning, block mode or contract arrangement with supervisor **Assessment:** 5000 word assignment or alternative **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Open to MOT students

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci, M O T.

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

Textbooks
List of core references available

OCCP5207
Assessing Evidence for OT Practice
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus sessions; e-learning. **Corequisites:** OCCP5211 Fieldwork 1 **Assessment:** Seminar presentation, written paper, and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

Knowing how to locate, understand and use evidence in occupational therapy practice is an essential skill for all practitioners functioning in interdisciplinary teams. It is also essential in for practitioners to take their place as responsible members of local, national, international and professional communities of practice. In this unit of study, students will learn how to engage in research and inquiry through the critique of evidence relevant to occupational therapy practice. Students will have the opportunity to explore an area of interest identified during Fieldwork 1, through the examination of evidence they locate and critique with regard to clinically relevant questions.

OCCP5208
Biomechanical & Sensorimotor Strategies
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities **Prerequisites:** OCCP5217 OT Assessment and Planning **Assessment:** Seminar presentation, written paper, graded e-learning activities, and/or vivas **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

Students will learn to implement and evaluate relevant, credible and effective occupational therapy interventions from different theoretical perspectives for clients with limitations due to disorders of biomechanical, sensorimotor and energy metabolism deficits. They will learn to clearly articulate the rationale for their choices. This will include the process of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities and implementing the interventions. A wide variety of possible intervention strategies for these clients groups will be considered in this unit. Interventions appropriate for clients across the lifespan will be included.

OCCP5209
Evaluating OT Outcomes
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning. **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice; OCCP5211 Fieldwork 1 **Assessment:** Seminar presentation, written paper **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

This unit of study introduces students to functional outcome measures addressing a range of dimensions, including the person, the environment, and the occupation. Students will build on the knowledge and skills developed in Assessing Evidence for OT Practice, demonstrating professionalism and social responsibility in the use of occupational therapy outcome measures. In this unit of study, students will learn about concepts relating to outcome measures; how they are used in occupational therapy practice; how to develop appropriate goals for clients and identify outcome measures used to evaluate whether goals have been achieved; and locate and critique relevant literature on outcome measures. Students will also have the opportunity to develop discipline-specific technical competencies in the use of a number of outcome measures. In order to promote personal and intellectual autonomy, students will identify and articulate their own learning needs and goals arising from the clinical environment.

OCCP5210
Evaluating OT Programs
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning. **Prerequisites:** OCCP 5207 Assessing Evidence for OT Practice **Corequisites:** OCCP 5209 Evaluating OT Outcomes; OCCP 5213 Fieldwork 3 (if enrolled in full-time studies) **Assessment:** Seminar Presentation and Evaluation Proposal **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

Evaluation of occupational therapy programs is a core competency identified by the national professional body. This unit of study gives students the opportunity to utilise their developing research and inquiry knowledge by applying it to occupational therapy program evaluation. It is designed to introduce students to some of the issues and practices associated with program and professional activity evaluation. The purpose of this unit of study is to enable students to be leaders in the production of new knowledge and understanding through inquiry, critique and synthesis. Students will respond to needs and opportunities in the profession, working effectively as change agents in various communities of practice. This unit of study will allow students to contribute to interdisciplinary practice through the development of practical evaluation proposals based on their experiences in Fieldwork.

OCCP5211
Fieldwork 1
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** On-campus preparation and debriefing. 4 weeks X 2 days per week supervised observational fieldwork. **Corequisites:** OCCP5216 Human Occupations, OCCP5217 OT Assessment and Planning **Assessment:** Assessment of Fieldwork Performance and Fieldwork Assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M O T.

This unit of study will engage students in the process of exploring occupational therapy in practical settings. Interaction with occupational therapists and other members of multidisciplinary teams will establish solid foundations for the variety of interdisciplinary learning opportunities available throughout the course. Students will engage in observation of occupational therapy practice and guided self-reflection to identify their personal learning needs, existing strengths and required capabilities of occupational therapists. At completion of the unit, students will be able to discuss the capabilities

and roles of occupational therapists and engage in professional discourse regarding their own learning needs.

OCCP5212
Fieldwork 2
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 6 weeks x 2 days per week supervised fieldwork with concurrent e-learning tasks. **Corequisites:** OCCP5223 Reflexive Practice 1 **Assessment:** Assessment of Fieldwork Performance and Fieldwork Assignments and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M O T.

This unit of study will engage students in the process of developing skills in elements of the occupational therapy process in practical settings. Students will focus on developing practical skills in the areas of communication, interaction and implementation under supervision. Appropriate opportunities to learn within interdisciplinary teams will be available and students will engage in facilitated peer discussions via electronic media. At completion of this unit of study, students will document achievement of competency in a suitable range of appropriate practice skills. This unit is articulated with and will directly inform learning and development in the unit of study Reflexive Practice 1.

OCCP5213
Fieldwork 3
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On-campus preparation and debriefing. 13 weeks X 2 days per week project-based fieldwork with concurrent e-learning tasks. **Assessment:** Assessment of Fieldwork Performance and Fieldwork Assignments and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M O T, M O T (Hons).

Students will develop and implement a structured fieldwork project over the course of the semester. Students will be supported to work independently and will make regular reports to key stakeholders on progress. This project, completed either individually or as part of larger teams, will focus on enabling participation within a diverse range of communities. This unit will develop learners' capacities across a broad range of capabilities, but will especially focus upon leadership and management, vision and change agency. This unit of study will provide opportunities for formal and informal interprofessional learning. Weekly e-learning tasks, based around peer support and moderated peer learning, will assist in the extension and deepening of the application of occupational therapy theory to practice.

OCCP5214
Fieldwork 4
Health Sciences

Credit points: 9 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 8 weeks full-time fieldwork with concurrent e-learning tasks. **Assessment:** Assessment of Fieldwork Performance and Fieldwork Assignments and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M O T, M O T (Hons).

Extended fieldwork placements provide students with the opportunity to consolidate apply and extend knowledge of occupational therapy practice with a focus on all graduate capabilities. Enabling participation lies at the core of all occupational therapy practice and students will have the opportunity to implement and evaluate a range of strategies to do this within this unit of study. As participants within a range of different interdisciplinary teams, students will have a variety of opportunities to engage in formal and informal interprofessional learning within this unit of study. During this time, students will also maintain contact with each other to extend vision regarding the range of occupational therapy practice, deepen knowledge of planning, implementation and evaluation and will develop skills in the application of research and inquiry skills within a range of practice communities.

OCCP5215
Fieldwork 5
Health Sciences

Credit points: 9 **Session:** Semester 2 **Classes:** On-campus preparation and debriefing. 8 weeks full-time fieldwork with concurrent e-learning tasks. **Assessment:** Assessment of Fieldwork Performance and Fieldwork Assignments and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M O T, M O T (Hons).

Extended fieldwork placements provide students with the opportunity to consolidate apply and extend knowledge of occupational therapy practice with a focus on all graduate capabilities. This final fieldwork experience will allow students to participate within a range of practice communities with developing independence and autonomy. Enabling participation lies at the core of all occupational therapy practice and students will have the opportunity to implement and evaluate a range of strategies to do this within this unit of study. As participants within a range of different interdisciplinary teams, students will have a variety of opportunities to engage in formal and informal interprofessional learning within this unit of study. During this time, students will also maintain contact with each other to extend their vision regarding the range of occupational therapy practice, deepen knowledge of planning, implementation and evaluation and will develop skills in the application of research and inquiry skills within a range of practice communities.

OCCP5216
Human Occupations
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** On campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities. **Assumed knowledge:** Biomedical and behavioural sciences knowledge **Assessment:** Seminar presentation and written paper **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

This unit introduces students to the concepts and philosophies which are foundations underlying current and future directions of occupational therapy practice. The concept of occupations as they are understood in occupational therapy practice will be explored together with the theory and practice of activity analysis that underpins occupational therapists understanding of occupations. Students will come to an understanding of the capabilities that underpin occupational therapy practice and are developed throughout the course. They will also come to an understanding of the problem based nature of the curriculum.

OCCP5217
OT Assessment and Planning
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities. **Corequisites:** OCCP5216 Human Occupations **Assumed knowledge:** English and computing skills **Assessment:** Seminar presentation and written paper **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

Students will learn to determine and plan relevant occupational therapy strategies to address OT relevant needs of individuals groups and communities. Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organizations and communities with the focus being consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardized and non-standardized assessments and

environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

OCCP5218
OT in Home and Community Environments
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities. **Prerequisites:** OCCP5217 OT Assessment and Planning **Corequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies **Assessment:** Seminar presentation, written paper, graded e-learning activities, and/or vivas **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

This unit introduces students to the home and community environments, including the physical, psychosocial and sociocultural components, in which clients perform occupations. These may include the home, neighbourhood shopping centre, community leisure facility, and residential accommodation such as nursing homes and retirement villages. Students will learn to assess the impact of these environments on clients' occupations, analyse activities conducted in these environments and recommend appropriate adaptations and modifications. In addition students will learn about their own environments of practice as they impact on their work. These include team work practice and the politics of home, health and community settings. Students will learn appropriate presentation skills to document home and community environment assessments and recommendations including written reports and verbal presentations.

OCCP5219
OT in School and Work Environments
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** On campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities. **Prerequisites:** OCCP5217 OT Assessment and Planning, OCCP5222 Psychosocial & Cognitive Strategies **Corequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies **Assessment:** Seminar presentation, written paper, graded e-learning activities, and/or vivas **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

This unit introduces students to the paid & unpaid work environments, including the physical, psychosocial and sociocultural components, in which clients perform occupations. Students will learn to assess the impact of these environments on clients' occupations, analyse activities conducted in these environments and recommend appropriate adaptations and modifications. In addition students will learn about their own environments of practice as they impact on their work. These include team work practice and the politics of health and work settings. Students will learn appropriate presentation skills to document school and work environment assessments and recommendations including written reports and verbal presentations.

OCCP5222
Psychosocial and Cognitive Strategies
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities **Corequisites:** OCCP5217 OT Assessment and Planning **Assessment:** Seminar presentation, written paper, and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

Students will learn to implement and evaluate relevant, credible and effective occupational therapy interventions from different theoretical perspectives for clients with limitations due to disorders of cognitive and psychosocial deficits. They will learn to clearly articulate the rationale for their choices. This will include the process of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities and implementing the interventions. A wide variety of possible intervention strategies for these clients groups will be considered in this unit. Interventions appropriate for clients across the lifespan will be included.

OCCP5223
Reflexive Practice 1
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** One day per week tutorial and seminar **Corequisites:** OCCP5212 Fieldwork 2 **Assessment:** Seminar presentation, reflective exercises, and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T.

This unit of study will explore the nature of reflexivity as a core capability in professional practice. It will refine and develop students' capabilities as critical, lifelong learners. Using experiences from fieldwork and other units of study, students will present their experiences to their peers and reflect upon their development as occupational therapists in training. In keeping with the principles of peer learning and the ability to critically appraise and develop from past experience, students will integrate, explain and present their experiences with reference to a variety of approaches to practice. The shared student experience will enhance the capacity for vision, professionalism and reflexivity.

OCCP5224
Reflexive Practice 2
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** On-campus seminars and workshops to learn theory and practical skills. Individual and small group independent learning and e-learning activities. **Corequisites:** OCCP5215 Fieldwork 5 **Assessment:** Seminar presentation, reflective exercises, and/or graded e-learning activities **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T, M O T (Hons).

This unit of study will further explore the nature of reflexivity as a core capability in professional practice. It will refine and develop students' capabilities as critical, lifelong learners. Using experiences from fieldwork and other units of study, students reflect on their experiences with their peers and plan ways of developing their OT and generic capabilities. This unit of study will assess students' capacity to integrate and apply content from their studies from across the course, in order to demonstrate they have met the capabilities needed to be a beginning occupational therapy practitioner, both as defined by the course aims and as reflected by OT Australia professional competencies. They will complete a series of assessments including take-home and open-book format exams at the end of the course.

OCCP5226
Assessing & Promoting Play with Children
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Professor Anita Bundy **Session:** Semester 1 **Classes:** Block/intensive mode 2.5 days 9am-5pm **Assumed knowledge:** Knowledge of child development **Assessment:** 1 2000 word essay (75%), Class Participation (25%) **Practical field work:** This unit is conducted via small groups and is very interactive. **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci.

Play is a primary occupation of children and a powerful tool for intervention. However, play often is a problem. Health care professionals and educators, for example, may feel that play is not as important as other aspects of children's programs or they may feel that others will think less of them if they play with children. Second, play defies definition. Is it frivolous behavior done only for fun? Is it rehearsal for adult life? Is it simply a way to get children to do things they otherwise disdain? Finally, if we want to promote play, we need some way to assess it. Play is in the title of a number of assessment tools. Which one is the best to use?

We explore our own beliefs about play and how we might help caregivers value play and give themselves and their children permission to play. We also examine the phenomenon of play as members of a number of different professional backgrounds have

described it. We explore existing play assessments in a general way. Finally, we investigate how to turn transactions into play when they otherwise seem interminable.

Textbooks
Parham, LD & Fazio, LS (Eds). Play in Occupational Therapy for Children (2nd ed.) Mosby

OCCP5227
Handwriting and Written Expression I
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Chris Chapparo **Session:** Semester 1 **Classes:** 3 Day block mode **Prerequisites:** Qualifications in Occupational Therapy **Assumed knowledge:** Knowledge of child development **Assessment:** Assessment requires students to review the literature on handwriting, and collect and interpret some clinical handwriting data, and present this information in a 4,000 word essay. **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci.

This unit of study examines elements of handwriting, written expression, drawing and tool use in children from pre-school to grade 2. Topics covered will include: the development of pencil skills; graphomotor skills expected by classroom teachers; the neuropsychological aspects of handwriting, written expression and tool use; assessment of children's skills and intervention for children who experience difficulty with writing and drawing.

OCCP5228
Person - Enviromment - Occupation
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 2 hour lecture and 1 x 2 hour workshop per week for 13 weeks **Prerequisites:** OCCP5208 Biomechanical & Sensorimotor Strategies, OCCP5218 OT in Home & Community Environments, OCCP5219 OT in School & Work Environments, OCCP5222 Cognitive and Psychosocial Strategies **Assessment:** Online participation (10%), 1 x Two-hour workshop facilitation as part of a small group (60%), 1 x 1500 word assignment (individual) (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T, M O T (Hons).

In this unit students will further their skills in problem identification, assessment, activity analysis and intervention working within varying client and OT contexts, using complex case studies across the life span from childhood, to middle aged and older adults in individual, family, group and population contexts. This will include but not be limited to emerging areas of OT practice and roles. Students will be encouraged to look beyond immediate tasks and contexts to see the bigger picture, trends, needs and opportunities in the workplace, profession and broader community of practice. Students will integrate theory and practice learnt in previous units of study.

OCCP5229
Honours A: Project Development
Health Sciences

Credit points: 3 **Session:** Semester 1 **Classes:** 1 x 2 hour tutorial per week for 13 weeks. Individual supervision with allocated supervisor. **Prerequisites:** OCCP5207 Assessing Evidence for OT Practice **Corequisites:** BACH5341 Research & Inquiry in the Health Professions **Assessment:** Presentation of research proposal (10%), Literature review (50%), Research proposal (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T (Hons).

Students will undertake a supervised research project in an area relevant to the discipline of occupational therapy. This unit is designed to assist honours students with the development of a research question, a systematic literature review and research proposal, and any ethics applications that may be applicable to their individual research topics. Students will develop an understanding of the strengths of different research methods and be able to provide a rationale for the methodology selected for their research question. Students will effectively communicate the aims, methods and implications of their proposed research.

OCCP5230
Honours B: Research Analysis and Report
Health Sciences

Credit points: 3 **Session:** Semester 2 **Classes:** Individual negotiated supervision time with allocated supervisor. Negotiated group sessions around full time fieldwork time commitments. **Prerequisites:** OCCP5229 Honours A: Project Development; BACH5268 Developing a Research Program or BACH5341 Research & Inquiry in the Health Professions **Assessment:** Seminar presentation of research findings (20%), Research manuscript (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M O T (Hons).

Students will undertake a supervised research project in an area relevant to the discipline of occupational therapy. Upon completion of this unit students will have implemented data analysis and reported on an approved research project and submitted a report suitable for publication in a peer reviewed publication describing the project and its implications. Students will develop an understanding of the strengths of different data analysis techniques and be able to defend their research project results in written and verbal format.

OCCP5231
Client-Centred Assessment in OT
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Steve Park **Session:** Semester 2 **Classes:** Block/intensive mode 5 days, followed by independent learning **Assessment:** Case study project **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci.

This unit focuses on the OT assessment process, incorporating principles of client-centred practice and current research evidence to enable occupational therapists to assess a client's participation in daily life activities from a client-centred perspective. The knowledge and skills to interview clients; appraise the validity of standardised assessments and use/interpret them appropriately; identify and set client-centred goals; formulate intervention plans; and document from a client-centred perspective constitute the main focus. Issues surrounding client-centred assessment and the practical means to resolve them also will be explored.

Textbooks
Course manual

OCCP5232
Praxis: Sensory and Social Dimensions
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Professor Sharon Cermak, Dr Chris Chapparo **Session:** Semester 2 **Classes:** Block mode (4 days) 9am-5pm **Assessment:** 1 x 6000 word essay (100%) OR 2 x 300 word clinical case report **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sc (OT), Grad Cert Hlth Sci, M Hlth Sc (OT), M Hlth Sci.

Praxis, or the ability to plan, regulate and adapt responses is the basis of human occupational performance. This unit of study offers participants an in-depth view of praxis and dyspraxis. Participants will review the sensory, cognitive, social and emotional aspects of praxis from a neuroscience, cognitive science and social science perspective. Evidence supporting the link between these elements of praxis and children who have motor, learning and regulation disorders will be made. Parameters for assessment of praxis and interventions for children with a variety of processing disorders will be discussed. Lectures, problem solving, video case material and printed handouts will be used to facilitate learning.

Textbooks
Readings will be made available at the time of the unit of study.

OPSC5001
Ophthalmic Anatomy
Medicine

Credit points: 9 **Teacher/Coordinator:** Dr Kathy McClellan **Session:** Semester 1, Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk) online tutorials (1hr/wk) self directed learning and assignments (16hrs/wk) wk 14 for revision. In addition to time spent on assignments it is **Assumed knowledge:** Undergraduate knowledge of basic human anatomy **Assessment:** 1x3000word assignment every 3wks (45%), online interaction (10%) and 1x3hr

exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip I Ophth, Grad Dip Med (Ophth Sc), Grad Dip Sc Med (Ophth Sc), M I Ophth, M Med (Ophth Sc), M Sc Med (Ophth Sc).

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of anatomy of relevance to the practice of ophthalmology, in particular the eye, the visual pathways, the orbit and its contents including peri-orbital structures. They are also expected to have an understanding of the embryology, maturation and normal ageing changes of the human eye. They should also be familiar with the anatomy of the head and neck including neuro-anatomy, histology and the use of diagnostic imaging as it pertains to the visual system. On completion of this unit of study the successful student will be able to (1) describe the normal anatomical organisation of the human eye, orbit and contents and head and neck in terms of cells, tissues, organs and systems, (2) describe the principal components of the human visual system and their function in detail and (3) describe how diagnostic imaging may be used in ophthalmic practice.

Textbooks

Prescribed: Wolff's Anatomy of the Eye and Orbit (8th ed). AJ Bron et al (eds) HK Lewis, London 1997 Recommended: Histology of the Human Eye, M. Hogan, J. Alvarado, J. Wedell, W.B. Saunders, Philadelphia, 1971; Gray's Anatomy (38th ed.), Churchill Livingstone, Edinburgh, 1989; Clinical Anatomy of the Eye, R.S. Snell, M.A. Lemp, Blackwell Science (2nd ed.),The Eye Basic Sciences in Practice (Chapters 1 and 2), J. Forrester et al, Saunders Co. Ltd., London 1996; The Human Nervous System, An Anatomical Viewpoint (5th ed.), M.L. Barr & J.A. Kiernan, Harper and Row, Philadelphia 1988.

OPSC5002
Ophthalmic Physiology
Medicine

Credit points: 9 **Teacher/Coordinator:** Dr John Grigg **Session:** Semester 1 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk) online tutorials (1hr/wk) self directed learning and assignments (16hrs/wk) wk 14 for revision. In addition to time spent on assignments it is **Corequisites:** OPSC5001 **Assumed knowledge:** Undergraduate knowledge of basic human cell and organ physiology **Assessment:** 1x3000wd assignment every 3wks (45%) online interaction (10%) 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Med (Ophth Sc), Grad Dip Sc Med (Ophth Sc), M Med (Ophth Sc), M Sc Med (Ophth Sc).

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of physiology of relevance to the practice of ophthalmology. Particular emphasis will be placed on the organisation, function, mechanism of action, regulation and adaptation of relevant structures and their component parts. They are also expected to have an understanding of the maturation and normal ageing changes of the human eye. Candidates must have a thorough understanding of the methods used to measure the activity of relevant physiological processes e.g. intraocular pressure, retinal electrical activity, visual acuity etc On completion of this unit of study the successful student will be able to (1) describe the normal physiological functioning of the human eye and nervous system, (2) describe the principal physiological laws and phenomena that apply to these systems and (3) describe how these physiological processes are measured and the limitations of such tests.

Textbooks

Prescribed: Adler's Physiology of the Eye (10th Ed), Kaufman ed, CV Mosby and Co. St Louis 2000; Review of Medical Physiology (21st Ed) WF Ganong, McGraw Hill 2003 Recommended:Biochemistry of the Eye RE Anderson (ed), American Academy of Ophthalmology Manuals Program, 1983, Physics for Ophthalmologists DJ Coster (ed) Churchill Livingstone, Sydney 1997.

OPSC5003
Ophthalmic Optics
Medicine

Credit points: 9 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk), online tutorials (1hr/wk), self directed learning and assignments (16hrs/wk), wk 14 for revision. In addition to time spent on assignments it **Assumed knowledge:** Undergraduate knowlegde of physics relating to light and optics **Assessment:** 1x3000word assignment every 3wks (45%), online interaction (10%), and 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Med (Ophth Sc), Grad Dip Sc Med (Ophth Sc), M Med (Ophth Sc), M Sc Med (Ophth Sc).

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of optics of relevance to the practice of ophthalmology. Particular emphasis will be placed on the topics of Physical, Geometrical, Physiological and Instrument Optics. On completion of this unit of study the successful student will be able to (1) describe the physical properties of light and lasers, (2) describe the geometrical principles of light and the laws governing lights interaction with materials and (3) describe the physiological optics of the human eye and how to test this.

Textbooks

Prescribed: Clinical Optics, AR Elkington & HJ Frank, Blackwell Science, 3rd Ed, 2000; Optics, Refraction and Contact Lenses, Basic and Clinical Science Course, American Academy Ophthalmology, 2003. Recommended: Optics MH Freeman, Butterworths-Heinemann Medical; 10th Ed, 1990, Optics for Clinicians M Rubin, Triad Publishing, 3rd Ed, 1993.

OPSC5004
Practical Ophthalmic Science
Medicine

Credit points: 9 **Teacher/Coordinator:** Professor Francis Billson AO **Session:** S2 Late Int **Classes:** The unit of study will be offered as a 3wk block/intensive mode (3x5days) to be taken at either the Save Sight Institute or at the University of Dunedin. The unit of study will be held during the inter semester break. Each week will cover practical aspect **Prerequisites:** OPSC5001 and (OPSC5002 or OPSC5003 or OPSC5013) **Assumed knowledge:** Undergraduate knowlegde of physics relating to light and optics **Assessment:** 3x1hour observed structured practical exams (100%). The format will include a combination of multiple choice questions, short answers, essay style questions and naming parts of anatomical prosections, performing simple experiments, use of ophthalmic equipment and clinical application of the basic sciences. Each practical exam will be worth 1/3 of the total mark for the unit of study. A score of over 50% is required for each of the viva exams for candidates to be passed. Supplementary viva exams may be offered for those candidates who are borderline pass or have failed one section of the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip I Ophth, Grad Dip Med (Ophth Sc), Grad Dip Sc Med (Ophth Sc), M I Ophth, M Med (Ophth Sc), M Sc Med (Ophth Sc).

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of the practical aspects of ophthalmic sciences. Particular emphasis will be placed on the topics of Anatomy, Physiology and Optics. Learning outcomes: On completion of this Unit of Study the successful student will be able to (1) describe the anatomy of the human eye, orbit, nervous system and head and neck, (2) correctly identify structures of the above on prosections, radiographic and magnetic resonance images, (3) describe the physiologic functioning of the human eye and nervous system, (4) correctly investigate, interpret results, recognise limitations and evaluate physiologic processes of the human eye and nervous system, (5) describe the physical, physiological and geometric optics of light and its application to the human eye and (6) correctly use ophthalmic instruments and describe their optical properties.

OPSC5005
Treatise
Medicine

Credit points: 12 **Teacher/Coordinator:** Professor Francis Billson AO **Session:** Semester 1, Semester 2 **Classes:** Students will be required to meet with their supervisor at least every 3 weeks to discuss the progress and implementation of their project. **Prerequisites:** OPSC5001 and OPSC5002 **Assessment:** Review by 2 independent assessors. Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of one area in the basic sciences or clinical ophthalmology. The treatise may take one of two forms, either a written output on work performed during the candidature from a supervised student project that contains between 10,000-20,000 words or a scientific paper that arises from a supervised student's project and has been accepted by a peer review journal for publication. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Med (Ophth Sc), M Sc Med (Ophth Sc).

The format of the project may be of a systematic review of the literature, a case series, short clinical trial, survey or other project acceptable to the course supervisor. It is essential where there is the

use of patient information or patient enrolment onto the study that appropriate ethics approval is gained from the governing body where the project will take place. Students need to be mindful of the time ethics approval takes and incorporate it into the project time allocation On completion of this unit of study the successful student will be able to (1) undertake a medical/scientific project and follow it to its completion, (2) work constructively under the supervision of a supervisor, (3) display scientific thinking and apply this to ophthalmology and (4) attempt to publish their treatise or learn how to publish their work.

Textbooks
SUPRA booklet, Practical aspects of producing a thesis at the University of Sydney.

OPSC5011
Ocular Genetics
Medicine

Credit points: 9 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk), online tutorials (1hr/wk), self directed learning and assignments (16hrs/wk), wk 14 for revision. In addition to time spent on assignments it **Prerequisites:** OPSC5001 **Corequisites:** OPSC5002 **Prohibitions:** OPSC5012 **Assessment:** 1x3000word assignment every 3wks (45%), online interaction (10%), 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

Associated degrees: Grad Dip Med (Ophth Sc), Grad Dip Sc Med (Ophth Sc), M Med (Ophth Sc), M Sc Med (Ophth Sc).

Ocular genetics is becoming better understood as advances are made in the field. Areas of diagnosis, prognosis and possible gene therapy are becoming much more relevant and deserve to be included in the formal training of ophthalmologists.

Successful candidates will gain an understanding of genetics and molecular tools used in current medical genetics and disease gene discovery, understand the application of these concepts in ophthalmology, gain an overview of the current knowledge of genes associated with eye disease and the patho-physiological mechanisms, be aware of the broader ethical considerations when applying genetic knowledge to patients, become familiar with internet based bioinformatics - reference tools to aid clinical practice, research and self learning and be aware of the future therapeutic opportunities.

OPSC5012
Ocular Pathology
Medicine

Credit points: 9 **Teacher/Coordinator:** Dr Weng Sehu **Session:** Semester 1, Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk) online tutorials (1hr/wk) self directed learning and assignments (16hrs/wk) wk 14 for revision. In addition to time spent on assignments it is **Prerequisites:** OPSC5001 **Corequisites:** OPSC5002 **Prohibitions:** OPSC5011 **Assessment:** 1x3000wd assignment every 3wks (45%), online interaction (10%), 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

Associated degrees: Grad Dip Med (Ophth Sc), Grad Dip Sc Med (Ophth Sc), M Med (Ophth Sc), M Sc Med (Ophth Sc).

Ocular pathology is a specialty area within the study of ophthalmology. Ophthalmologists and pathologists require specific teaching to gain insights into this field. The Royal Australian and New Zealand College of Ophthalmologists requires trainees to study ocular pathology as part of their training. This course aims to equip and train prospective candidates in this exciting field. Successful candidates will gain an understanding of pathology and it basic techniques, gain an understanding of the advanced techniques currently available for the investigation of ocular diseases, understand the application of these concepts in ophthalmology, identify, analyse, understand and further investigate pathologic processes in the eye and adenexae, become familiar with internet based bioinformatics - reference tools to aid clinical practice, research and self learning and be aware of the future therapeutic opportunities in pathologic processes.

Textbooks
Ophthalmic Pathology: An Illustrated Guide for Clinicians, Sehu K.W. & Lee W.R., Blackwell Pub/BMJ Books 2005.

OPSC5013
Ophthalmology in Developing Countries 1
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 1x3hr seminar/wk (13 weeks) **Corequisites:** OPSC5001 **Assessment:** 7xPBL assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip I Ophth, M I Ophth, M Med (Ophth Sc).

This unit of study and the subsequent associated UoS OPSC5014 Ophthalmology in Developing Countries 2 aim to provide candidates with the foundations of the practice of clinical ophthalmology with an emphasis on the specific diseases and pathology of their native country. Weeks 1 and 2 will cover Nutrition and Eye Disease. Weeks 3 and 4 will cover Public Health for ophthalmology. Week 5 will cover Clinical Microbiology and week 6 will cover Statistics and Epidemiology.

Weeks 7 to 9 will cover Cornea and External Diseases. Weeks 10 to 11 will cover Orbit, Eyelids and lacrimal diseases and weeks 12 to 13 will cover Intraocular inflammation and Uveitis. On completion of this and the associated Unit of Study, the successful student will be able to understand the basis of the practice of clinical ophthalmology: basic pharmacology, public health measures, nutrition and its impact on ocular health, general microbiology, principles of genetics and medical statistics and epidemiology. They will also be expected to incorporate knowledge gained from the other online units of study into this unit of study and gain knowledge on the aetiology, pathology associated features, prognosis and management of diseases of the cornea and conjunctiv, eyelids and orbit, lacrimal system and iris and ciliary body. They will be required to identify differences in the presentation, aetiology, course, treatment and prognosis of ocular diseases in adults compared to children, to identify and study areas of ophthalmic significance in developing countries especially the candidates own and to utilise online ophthalmic and medical resources to gain knowledge and assist in the management of ocular and general medical disease. 3 hr weekly seminars via online teleconferences, CD based lectures, Fortnightly problem-based learning topics submitted by students

Textbooks
JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann

OPSC5014
Ophthalmology in Developing Countries 2
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 1x3hr seminar/wk (13 weeks) **Prerequisites:** OPSC5013 **Assessment:** 7xPBL assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip I Ophth, M I Ophth, M Med (Ophth Sc).

This unit of study and the previous associated UoS OPSC5013 Ophthalmology in Developing Countries 1 aim to provide candidates with the foundations of the practice of clinical ophthalmology with an emphasis on the specific diseases and pathology of their native country. Weeks 1 and 2 will cover traumatic eye injuries. Weeks 3 and 4 will cover the lens and cataract. Weeks 5 and 6will cover acute and chronic glaucoma. Weeks 7 and 8 will cover retinal diseases. Weeks 9 and 10 will cover diabetes and eye disease. Weeks 11 and 12 will cover neuron-ophthalmology and paediatric diseases and weeks 13 and 14 will cover strabismus, refraction and revision. On completion of this and the associated Unit of Study, the successful student will be able to apply the scientific basis of the practice of clinical ophthalmology to the following areas of specific ocular systems: basic pharmacology, public health measures, nutrition and its impact on ocular health, general microbiology, principles of genetics and

medical statistics and epidemiology. They will also be required to incorporate knowledge gained from the other online units of study into this unit of study and gain knowledge on the aetiology, pathology associated features, prognosis and management of diseases of the lens and ciliary body, retina, optic and cranial nerves, the central nervous system. extraocular muscles and head and neck diseases. They will be required to identify differences in the presentation, aetiology, course, treatment and prognosis of ocular diseases in adults compared to children, identify and study areas of ophthalmic significance in developing countries especially the candidates own and utilise online ophthalmic and medical resources to gain knowledge and assist in the management of ocular and general medical disease. 3 hr weekly seminars via online teleconferences, CD based lectures, fortnightly problem-based learning topics submitted by students.

Textbooks
JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5015
Clinical Ophthalmology 1
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Francis Billson **Session:** Semester 1, Semester 2 **Classes:** 2hrs per day x5 days (13 weeks). Study concurrent with full time work. **Prerequisites:** OPSC5013 and OPSC5014 **Assessment:** Online attendance, submitted fortnightly case histories 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip I Ophth, M I Ophth, M Med (Ophth Sc).

This unit of study and the subsequent associated UoS OPSC5012 Clinical Ophthalmology 2 aim to provide candidates with the practical experience and knowledge necessary to manage ophthalmic conditions. They are mentor based programmes with candidates applying knowledge to eye clinic patients. Candidates are required to attend ophthalmology clinics on a full time basis. These clinics are under the supervision of local or international ophthalmologists. The student will be continuously assessed as to their competence in their management of ophthalmic conditions in both adults and children. The clinical load will be reflected in the spectrum of submitted case histories by the candidate. Candidates will be required to show that they can competently manage ophthalmic conditions. By management, the candidate is required to undertake the following tasks: take an appropriate medical/ophthalmic history; perform an ophthalmic examination, an appropriate general medical examination and an appropriate preoperative assessment. They will also identify the most likely diagnosis, and list an appropriate differential diagnosis. They will be required to outline and/or perform appropriate ophthalmic and medical investigations, outline a management plan for the condition, including (where appropriate): preventative, public health and nutritional measures; genetic, disease education and counseling; general medical therapies; pharmacological, laser, surgical and optical treatments; consultation by other medical or health professionals; organisation of government &NGO assistance and arrange for appropriate ophthalmic and other medical/paramedical follow up. This is required for common eye conditions in the fields of cornea and external diseases, orbital disease, eyelids, lacrimal diseases, intraocular inflammation and uveitis, traumatic eye injuries, lens and cataract, glaucoma, retinal diseases and diabetic retinopathy, neuron-ophthalmology, paediatric diseases, strabismus and refractive errors. Mentor based teaching, fortnightly submitted case reports, Online attendance and completed case histories This UoS will be offered as a mentor based programme with the candidate, under the supervision of three layers of Mentors. Firstly, a local ophthalmologist in their country of practice. This ophthalmologist will be assessed and deemed appropriate by the course coordinators. Visiting ophthalmologists from Australia and New Zealand will also supervise their training and, finally, a representative from the Local Government health authorities who the candidate will be employed by will also serve as a Mentor to the candidate. Candidates will be required to practice ophthalmology in a variety of settings. These will include hospital based ophthalmology clinics, private based ophthalmology practices, ophthalmology clinics run by visiting Australian and New Zealand Ophthalmologists and outreach clinics to other smaller communities. Candidates will at all times be supervised by one of the Mentors as defined above.

Textbooks
JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5016
Clinical Ophthalmology 2
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Francis Billson **Session:** Semester 1, Semester 2 **Classes:** 2hrs per day x5 days (13 weeks). Study concurrent with full time work **Prerequisites:** OPSC5015 **Assessment:** Online attendance, submitted fortnightly case histories OSCE exam, long case (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip I Ophth, M I Ophth, M Med (Ophth Sc).

This unit of study aims to provide candidates with the practical experience and knowledge necessary to manage ophthalmic conditions. This is a mentor based programme with candidates applying knowledge to eye clinic patients. Candidates are required to attend ophthalmology clinics on a full time basis. These clinics are under the supervision of local or international ophthalmologists. The student will be continuously assessed as to their competence in their management of ophthalmic conditions in both adults and children. The clinical load will be reflected in the spectrum of submitted case histories by the candidate. Candidates will be required to show that they can competently manage ophthalmic conditions. By management the candidate is required to take an appropriate medical / ophthalmic history, perform an ophthalmic examination, an appropriate general medical examination an appropriate preoperative assessment. They will also identify the most likely diagnosis and list an appropriate differential diagnosis. They will be required to outline and/or perform appropriate ophthalmic and medical investigations and outline a management plan for the condition including (where appropriate): preventative, public health and nutritional measures, genetic, disease education and counseling, general medical therapies, pharmacological, laser, surgical and optical treatments, consultation by other medical or health professionals, organization of government & NGO assistance and arrange for appropriate ophthalmic and other medical/paramedical follow up. This is required for common eye conditions in the fields of cornea and external diseases, orbital disease, eyelids, lacrimal disease, intraocular inflammation and uveitis, traumatic eye injuries, lens and cataract, glaucoma, retinal diseases and diabetic retinopathy, neuro-ophthalmology, paediatric diseases, strabismus and refractive errors. Mentor based teaching, fortnightly submitted case reports, Online attendance and completed case histories. This UoS will be offered as a mentor based programme with the candidate under the supervision of three layers of Mentors. Firstly, a local ophthalmologist in their country of practice. This ophthalmologist will be assessed and deemed appropriate by the course coordinators. Visiting ophthalmologists from Australia and New Zealand will also supervise their training and a Representative from the Local Government health authorities who the candidate will be employed by will also serve as a Mentor to the candidate. Candidates will be required to practice ophthalmology in a variety of settings. These will include hospital based ophthalmology clinics, private based ophthalmology practices, ophthalmology clinics run by visiting Australian and New Zealand ophthalmologists and outreach clinics to other smaller communities. At the end of the UoS, a supervised clinical exam will be undertaken in Sydney or their country of practice. The exam will be a clinical exam assessing the candidate's competence in clinical ophthalmology. It will take the form of both a written and clinical exam. The clinical exam will include an observed clinical exam, utilizing patients with ophthalmic conditions and a long case exam involving detailed management of common eye conditions. Successful candidates will be able to demonstrate the ability to work independently as an ophthalmologist in their native country.

Textbooks
JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5017
Surgical Ophthalmology
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Francis Billson **Session:** Semester 1, Semester 2 **Classes:** 2hrs per day x5 days (13 weeks). Study concurrent with full time work **Prerequisites:** OPSC5013 and OPSC5014 **Assessment:** Online surgical logbook (40%), Observed cataract operation (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Associated degrees: Grad Dip I Ophth, M I Ophth, M Med (Ophth Sc).

This unit of study aims to provide candidates with the practical experience and knowledge necessary to manage surgical ophthalmic conditions. This is a mentor based programme with candidates operating in a number of different environments. Emphasis is on preoperative assessment, surgical competence and post operative management. Candidates will be required to operate in a variety of settings. These will include hospital based ophthalmology surgical lists, private based ophthalmology surgical lists, ophthalmology surgical clinic run by visiting Australian and New Zealand ophthalmologists and outreach clinics to other smaller communities. Surgical mentors will provide the appropriate training in specific ophthalmic operations. Candidates will be required to show that they can competently assess and perform ophthalmic surgery and manage post operative complications. By management the candidate is required to take an appropriate medical / ophthalmic history, perform an ophthalmic examination, an appropriate general medical examination and an appropriate preoperative assessment. They will be required to identify the most likely diagnosis and list an appropriate differential diagnosis of the aetiology of the surgical disease, andoutline and/or perform appropriate ophthalmic and medical investigations. They will be required to perform Surgery of the following Ophthalmic Conditions: extra capsular cataract surgery, repair of traumatic eye and eyelid injuries, infective eyelid and orbital lesions, benign and malignant lid procedures, pterygium surgery, acute glaucoma procedures, strabismus procedures and simple lacrimal duct procedures. Mentor based teaching, Online surgical logbook, online surgical case histories. This UoS will be offered as a mentor based programme with the candidate under the supervision of three layers of Mentors. Firstly, a local ophthalmologist in their country of practice. This ophthalmologist will be assessed and deemed appropriate by the course coordinators. Visiting ophthalmologists from Australia and New Zealand will also supervise their training and a Representative of the Local Government health authorities who the candidate will be employed by will serve as a Mentor to the candidate. At the end of the year a supervised surgical exam will be undertaken in Sydney or their country of practice. The exam will be a supervised extracapsular cataract extraction that the candidate must perform competently to complete the UoS.

Textbooks
JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

ORTH5019
Special Study A
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Robert Heard **Session:** Semester 1, Semester 2 **Classes:** Distance mode and 3hr/week staff supervised activities **Assessment:** 500-1000 word assignment (20%), 3000-3500 word assignment (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Orth.

ORTH5022
Binocular Vision and Strabismus A
Health Sciences

Credit points: 5 **Teacher/Coordinator:** Mrs Kathryn Thompson, Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** Distance mode and 3hr/week staff supervised activities **Corequisites:** ORTH5023 Ocular Pahology A **Assessment:** Online assessment (50%), online assessment (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Orth, PG Coursework Exchange.

The student will gain an understanding of the normal eye and the functioning of the visual system, covering content using a systems approach. The systems to be studied include: the sensory system; the optical system; the motor system; the receptive and integrative systems. The student will develop an understanding of the anatomy of the eye and visual system and the physiology related to the process of seeing and binocular vision whilst studying the systems in an integrated manner.

ORTH5023
Ocular Pathology A
Health Sciences

Credit points: 5 **Session:** Semester 1 **Classes:** Distance education delivery **Corequisites:** ORTH5022 Binocular Vision and Strabismus A **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: B Hlth Sci, M C V S, M Orth, PG Coursework Exchange.

This unit will introduce the student to the medical model and highlight the role the orthoptist plays in this model. The student will learn about broad areas of medical disease, medical terminology, components of medical terms and general pharmacology. The focus will then shift to the eye, and the student will study common eye diseases, their presenting features and assessment for these by the eye health care professional. Management of eye disease will be introduced, with an emphasis on ocular pharmacology. The student will develop an understanding of the anatomy of the eye and visual system by the examination of ocular structures in disease management.

ORTH5024
Professional Experience 1A
Health Sciences

Credit points: 4 **Session:** Semester 1 **Classes:** Off campus clinical experiences **Corequisites:** ORTH5022 Binocular Vision and Strabismus ORTH5023 Ocular Pathology A **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

Associated degrees: M Orth, PG Coursework Exchange.

The student will apply learning from ORTH5022 Binocular Vision and Strabismus A and ORTH5023 Ocular Pathology A to the clinical environment by observation and participation.

ORTH5025
Binocular Vision and Strabismus B
Health Sciences

Credit points: 5 **Teacher/Coordinator:** Mrs Neryla Jolly **Session:** Semester 2 **Classes:** Distance mode and 3hr/week staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A ORTH5024 Professional Experience 1A **Assessment:** 4 case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Orth, PG Coursework Exchange.

The student will study defects of binocular cortical function related to inherited motor defects and developmental defects (strabismus, amblyopia and binocular vision abnormalities), abnormalities of the accommodative mechanism and the decompensation of normal binocular operation to a symptomatic state). The student will be encouraged to incorporate information from literature that relates animal research to clinical responses in the field of plasticity and demonstrate the significance of the information in the management strategies selected for case studies.

ORTH5026
Ocular Pathology B
Health Sciences

Credit points: 5 **Teacher/Coordinator:** Mrs Kathryn Thompson **Session:** Semester 2 **Classes:** Distance mode and 3hr/week staff supervised activities. **Prerequisites:** ORTH5023 Ocular Pathology A ORTH5024 Professional Experience 1A **Corequisites:** ORTH5025 Binocular Vision and Strabismus B **Assessment:** Case study (30%), online exam (60%), online activities (10%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: B Hlth Sci, M C V S, M Orth, PG Coursework Exchange.

The student will study the most recent aspects related to the clinical presentation of patients with cataract and glaucoma including evidence based practice in the areas of investigation and treatment of these conditions. Aspects related to new research into the detection and management of these conditions will be studied, including critical analysis of results from clinical trials. This unit will include a significant section on automated perimetry and its analysis. The anterior segment of the eye will also be studied.

ORTH5027
Professional Experience 1B
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH5024 Professional Experience 1A ORTH5022 Binocular Vision and Strabismus A **Corequisites:** ORTH5025 Binocular Vision and Strabismus B **Assessment:** Clinical competency checklist (10%), concom squint exam (70%) online case analysis (30%) **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

Associated degrees: M Orth, PG Coursework Exchange.

This unit provides the student with clinical experience in investigation of intermittent and constant concomitant deviations - including history taking, testing visual acuity, cover testing, measuring the deviation, testing ocular movements, assessing the patient's binocular status and any control they have over the deviation, assessing retinal fixation and the effect of any other influencing factors, e.g. suppression. It also provides experience in formulating management plans and communication related to patients with concomitant squint.

ORTH5028
Professional Experience 1C
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH5023 Ocular Pathology A ORTH5024 Professional Experience 1A **Corequisites:** ORTH5026 Ocular Pathology B **Assessment:** Short ophthalmic exam (70%), online case analysis (20%), opthalmic skills manual **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

Associated degrees: M Orth, PG Coursework Exchange.

This unit provides the student with clinical experience in investigation and management of cataract, glaucoma and contact lens patients including: history taking, testing visual acuity; the investigation and management of cataract and glaucoma patients, including Humphrey fields; the contact lens regime - fitting, insertion, removal and patient education; general ophthalmic principles - subjective refraction, ophthalmoscopy, slit lamp techniques, vertometry, keratometry, minor surgical procedures and pharmacology.

ORTH5029
Clinical Management of Refractive Error
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Clunas **Session:** Semester 1, Semester 2 **Classes:** This unit of study will be delivered face-to-face and on line using varied methods of delivery that will include: Face-to-face teaching; eLearning **Assessment:** On line activities: 2%; Professional Development Log: 3%; Clinical portfolio: 5%; End of semester assessment: 45%; Clinical Refraction exam: 45% **Practical field work:** Practical face-to-face tutorials across the semester. The student would be required to attend specialised clinical instrumentation tutorials and supervised clinical sessions related to the unit. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.
Note: This unit is a pre-requisite of ORTH5048 Professional Practice C and ORTH5049 Professional Practice D.

Associated degrees: B Hlth Sci, M C V S, M Orth, PG Coursework Exchange.

Preliminary knowledge of refractive errors will be expanded upon to include more complex refractive error topics such as understanding latent and manifest hypermetropia, aetiology of myopia, progressive myopia and keratoconus. The student will study and be encouraged to critically analyse the methods of detection of refractive error, the impact on the individual, and the selection of the most appropriate method to correct the optical error, e.g. single focus versus multifocal lenses in a variety of occupational situations. On completion of the unit the student will be able to assess the types and degree of refractive error present, its influence on daily activities and changes will that occur throughout life; to evaluate and outline appropriate management strategies for correcting refractive error including the optical and surgical methods and the likely problems associated with each. The student will also be proficient in the skill of prescribing spectacle lenses, and the use and application of advanced ophthalmic technologies such as the Orbscan and Corneal Aberrometer.

Textbooks
Corboy J, The retinoscopy book : an introductory manual for eye care professionals (2003);
Elkington A, Frank H, Greaney M, Clinical Optics (1999);
Fletcher R Still, D.C., 1998 Eye examination and Refraction;
Gayton J, 1997 Refractive Surgery for Eye paraprofessionals

ORTH5030
Paediatrics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Neryla Jolly, Mrs Sue Silveira **Session:** Semester 1 **Classes:** Distance mode and 4hr/wk staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience 1B ORTH5028 Professional Experience 1C **Assessment:** 3 on-line exercises, 1 exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Orth, PG Coursework Exchange.

The student will study specific testing procedures for the paediatric population with emphasis on vision assessment. Common presenting problems resulting in visual or ocular motor disorders are studied and their relationship to embryology and genetics are considered where relevant. The role of the orthoptist in vision screening programs is also studied. A variety of paediatric population will be included such as learning disabled and developmentally delayed children. The orthoptist's role in a multi-disciplinary health team will be emphasised.

ORTH5031
Eye Movement Disorders
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** Face to face teaching and web **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH 5024 Professional Experience 1A ORTH5027 Professional Experience 1B ORTH5028 Professional Experience 1C **Assessment:** Selected case study analyses based on current discipline based knowledge, skills and evidence based research, plus written exam in weeks 15&16 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M C V S, M Orth, PG Coursework Exchange.

The systems that control eye movements will be studied, along with lesions and pathology that may affect normal ocular motility. This study will commence with orbital and restrictive conditions and progress to lesions in the neural pathways for eye movements. Students will be able to demonstrate that they can: discuss the impact of lesions within the motor pathway on the movement of the eye(s) including symptoms, clinical responses and sequelae; select appropriate tests to demonstrate the existence and extent of the motor defect and analysis of the outcomes; develop diagnostic skills and the ability to differentiate between similar but separate conditions; analyse patient responses and develop appropriate management strategies.

Textbooks
Ansons and Davis: Diagnosis and Management of Ocular Motility Disorders, 3rd Ed, Blackwell Science
Walsh and Hoyt, "Clinical Neuro-ophthalmology", Williams and Wilkins

ORTH5032
Geriatrics
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Neryla Jolly **Session:** Semester 1 **Classes:** Distance mode and 4hr/week staff supervised activities **Prerequisites:** ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology

B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience 1B ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors **Assessment:** Two case studies (20% ea), two case studies (30% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Orth, PG Coursework Exchange.

The content in this unit concentrates on ageing of the general body systems, with specific emphasis on the ocular system. Content will be clinically based, delivered using case studies which the student critically analyses, to reach management strategies which specifically target the geriatric patient's complex needs. The integrative of the role the orthoptist in the investigation and management of age related ocular pathology will be presented. This will include conditions such as vascular, neurological, complex ophthalmic disorders and vision impairment. The supporting specific clinical investigation techniques of neuro ophthalmology will also be included.

ORTH5033
Professional Development
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** Distance mode and 4hr/week staff supervised activities **Prerequisites:** BACH5268 Developing a Research Project or BACH5341 Research & Inquiry in Health Professions **Assumed knowledge:** Broad body of knowledge and clinical experience in orthoptics and ophthalmology, from completing earlier units of study. **Assessment:** 500-1000 word assignment (20%), 3000-3500 word assignment (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Orth, PG Coursework Exchange.

This unit will permit the student to carry out an independent learning project by learning contract. The topic may be one relevant to the practice of orthoptics or in an area which the student has developed a particular interest. Students will be encouraged to use this unit as preparation for the unit of study ORTH5038 Research Project.

ORTH5034
Advanced Orthoptic Practice
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Neryla Jolly **Session:** Semester 2 **Classes:** Distance mode and 4hr/wk staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience 1B ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors **Assessment:** 5 case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Orth, PG Coursework Exchange.

Clinical conditions with ocular disease or ocular motility disorders will be studied. Cases will be selected to challenge the student to apply recent outcomes identified in literature (clinical trials and epidemiological studies) relating to incidence of conditions, clinical investigation and treatment. Students will be encouraged to analyse the clinical responses and develop relevant treatment guidelines based on evidence and clinical reasoning. Content will include ophthalmic disease and complex systemic conditions, such as diabetes, stroke, thyroid disease; traumatic conditions such as head injury, blow out fractures.

ORTH5035
Professional Experience 2A
Health Sciences

Credit points: 4 **Session:** Semester 2 **Classes:** Clinical experience off campus **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A ORTH5025 Binocular Vision and Strabismus B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience 1B ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors ORTH5030 Paediatrics ORTH5031 Eye Movement Disorders **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Associated degrees: M Orth, PG Coursework Exchange.

This unit provides the student with clinical experience in investigation of incomitant squint. This includes intermittent, constant, congenital, acquired, neurogenic and mechanical conditions. It also provides experience in formulating management plans and communication related to patients with incomitant squint.

ORTH5036
Professional Experience 2B
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH5023 Ocular Pathology A ORTH5026 Ocular Pathology B ORTH5024 Professional Experience 1A ORTH5027 Professional Experience 1B ORTH5028 Professional Experience 1C ORTH5029 Clinical Management of Refractive Errors **Assessment:** Ophthalmic clinical exam (80%), online case study (20%) **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Associated degrees: M Orth, PG Coursework Exchange.

This unit provides the student with advanced clinical experience in the ophthalmic setting. Students will be given higher levels of responsibility than previously experienced in the ophthalmic setting, eg involvement in practice administration and management, pre and post operative patient education, assistance in minor surgical procedures.

ORTH5037
Professional Experience 2C
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH5029 Clinical Management of Refractive Error ORTH5032 Geriatrics ORTH5031 Eye Movement Disorders **Corequisites:** ORTH5035 Professional Experience 2A ORTH5036 Professional Experience 2B **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Clinical Experience

Associated degrees: M Orth, PG Coursework Exchange.

This unit provides the student with advanced clinical experience in the rehabilitation setting, particularly with patients who have limited communication. Students will gain experience in a variety of rehabilitation settings including brain injury, vision impairment and developmental disability. Students will participate with the supervising clinician as a member of the multi-disciplinary team.

ORTH5038
Research Project
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Distance mode and 4hr/wk staff supervised activities **Prerequisites:** ORTH5022 Binocular Vision and Strabismus A, ORTH5025 Binocular Vision and Strabismus B, ORTH5023 Ocular Pathology A, ORTH5026 Ocular Pathology B, ORTH5024 Professional Experience 1A, ORTH5027 Professional Experience 1B, ORTH5028 Professional Experience 1C, ORTH5029 Clinical Management of Refractive Errors, BACH5268 Developing a Research Project or BACH5341 Research & Inquiry in Health Professions, ORTH5033 Professional Development. **Corequisites:** ORTH5035 Professional Experience 2A; ORTH5036 Professional Experience 2B or ORTH5037 Professional Experience 2C **Assessment:** Research project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Orth, PG Coursework Exchange.

This unit provides the student with the opportunity to carry out a small, supervised research project, either individually or in a group. Drawing on learning gained in the units Developing a Research Project and Professional Development, the student will formulate a research question and conduct a pilot study on the topic.

ORTH5039
The Eye and Visual Systems
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Clunas **Session:** Semester 1 **Classes:** This unit of study will be delivered face-to-face and on line using varied methods of delivery that will include: Face-to-face teaching; eLearning **Assessment:** Mid semester class test (30%) Selected case study analyses based on current discipline based knowledge, skills and evidence based research (20%), plus written exam in weeks 15&16 (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M C V S, M Orth.

In this subject the normal eye and ocular systems are introduced. The unit commences with basic anatomy, embryology, physiology and

optics of the eye using a systems approach, followed by sensory visual functions and an introduction to binocular vision and ocular motility. Basic clinical skills and assessment will be introduced, including testing of visual acuity, visual fields, colour vision and contrast sensitivity.

Textbooks
Saude T, Ocular Anatomy and Physiology, Blackwell Science Publications
Bron A, Wolff's Anatomy of the Eye and Orbit, HK Lewis, London

ORTH5040
Binocular Vision
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell, Dr Nathan Clunas **Session:** Semester 1 **Classes:** WebCT, face to face lectures, group work **Assessment:** 1hr mid semester test, 1000 word assignment, 2 hr exam in weeks 14&15 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M C V S, M Orth.

In this unit of study, the anatomical, physiological and optical principles underlying normal binocular vision are studied, and the processes by which they may be modified by refractive error and associated accommodation/convergence relationships. Common presenting problems of accommodation and convergence will be introduced.

Textbooks
Ansons and Davis, Diagnosis and Management of Ocular Motility Disorders (3rd ed), Blackwell Science
Rowe F, Clinical Orthoptics (2nd ed), Blackwell Publishing (2004)

ORTH5041
Introduction to Professional Practice
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** On and off campus lectures and tutorials supplemented with on-line activities **Assessment:** Class test (35%), exam (50%), online activities (15%) **Practical field work:** This unit will have scheduled on campus, hands on tutorial sessions in which to practice and refine clinical tests. Additionally, students will attend scheduled off campus tutorials and clinical observation sessions **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M C V S, M Orth.

1. The medical model and highlight the roles the orthoptist plays in this model. The student will learn the broad areas of medical disease, medical terminology, components of medical terms and pharmacology.

2. Basic Ocular Examination Techniques including Patient Interviews, Observation, Ophthalmoscopy, Visual Fields

3. Common ocular disorders and their presenting signs and symptoms are introduced commencing anteriorly to conclude with optic nerve involvement.

4. Management of eye disease will be introduced, with an emphasis on ocular pharmacology.

The student will develop an understanding of the anatomy of the eye and visual system, by the examination of ocular structures in disease detection. On completion of the unit the student will be able to identify the roles of eye care health providers, including their own, as a novice practitioner. The student will be expected to demonstrate this novice role by interpretation of medical records, planning appropriate eye related investigations and further medical requirements, such as referral for further testing

Textbooks
Cassin B and Hamed L, Fundamentals for Ophthalmic Technical Personnel, Saunders (1995)
MIMMS Annual or MIMMS On Line
Snell RS and Lemp MA, Clinical Anatomy of the Eye (2nd ed) (1998)
Stein H, Slatt B and Stein R, The Ophthalmic Assistant, Mosby Co (2000)

ORTH5042
Anterior Seg & Ocular Surface Disorders
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** Face-to-face teaching and Web based **Assessment:** Mid semester class test (15%), practical exam (25%), 2 hr written exam in weeks 14&15 (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M C V S, M Orth.

The student will study the most recent aspects related to the clinical presentation of patients with: anterior segment disorders such as dry eye, watery eye, conjunctivitis; contact lenses; ocular emergencies; the red eye. Evidence based practice in the areas of investigation and treatment of these conditions will be presented. Aspects related to new research into the detection and management of these conditions will be also studied, including critical analysis of results from clinical trials. On completion of the unit the student will be able to critically evaluate the role of practitioners in the assessment of dry eye, inflammatory ocular disorders, ocular emergencies, and contact lens patients. This includes the ability to select and perform the correct assessment techniques for these patients. Awareness of recent innovations and the ability to assist the eye care practitioner in the management of these conditions will be developed.

Textbooks
Cassin B and Hamed L, Fundamentals for Ophthalmic Technical Personnel, Saunders (1995)
MIMMS Annual or MIMMS On Line
Snell RS and Lemp MA, Clinical Anatomy of the Eye (2nd ed) (1998)
Stein H, Slatt B and Stein R, The Ophthalmic Assistant, Mosby Co (2000)

ORTH5043
Concomitant Strabismus
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly **Session:** Semester 2 **Classes:** Case study analyses to facilitate: independent learning, application of visual physiology to patient responses **Assessment:** Selected case study analyses based on current discipline based knowledge, skills and evidence based research **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M C V S, M Orth.

The student will study investigation and management of case studies of patients with defects of binocular cortical function related to motor defects and developmental defects (strabismus, amblyopia and binocular vision abnormalities), abnormalities of the accommodative mechanism and the decompensation of normal binocular operation to a symptomatic state. The student will be encouraged to incorporate information from literature that relates animal research to clinical responses in the field of plasticity and demonstrate the significance of the information in the management strategies selected for case studies. Content includes: suppression, amblyopia (with central and eccentric fixation), binocular vision (normal, abnormal and non functional) heterophoria and vergence defects, defects of accommodation and associated eye movement defects.

Textbooks
Ansons A and Davis H, Diagnosis and Management of Ocular Motility Disorders (3rd ed), Blackwell Science (2001)
Orthoptic journals from Australia, Britain and America
The Transaction of the International Orthoptic Association

ORTH5044
Professional Practice A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Sue Silveira **Session:** Semester 2 **Classes:** Off-campus clinical attendance and online learning activities **Assessment:** Concomitant squint investigation exam (70%) (compulsory), online critical case analysis (20%), trial concomitant squint exam (10%) **Practical field work:** Off-campus tutorials and clinical attendance **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: B Hlth Sci, M C V S, M Orth.

This unit of study provides students with clinical application and experience in concomitant squint. The unit will combine specialized patient centered clinical tutorials and attendance at relevant clinical locations to allow for integration of academic, instrumentation, clinical reasoning and patient management. This unit of study will be strongly supported by online case analyses and discussion using WebCT, and on-campus briefing and debriefing sessions.

ORTH5045
Professional Practice B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Sue Silveira **Session:** Semester 2 **Classes:** Off-campus clinical attendance and online learning activities

Assessment: Ophthalmic OSCE (compulsory) (70%), online critical case analysis (20%), ophthalmic skills manual (10%) **Practical field work:** Off-campus tutorials and clinical attendance **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: B Hlth Sci, M C V S, M Orth.

This unit of study provides students with clinical application and experience in the assessment and management anterior segment disease, particularly cataract and glaucoma, and fitting and management of the contact lens patient. The unit will combine specialized patient centered clinical tutorials and attendance at relevant clinical locations to allow for integration of academic, instrumentation, clinical reasoning and patient management. This unit of study will be strongly supported by online case analyses and discussion using WebCT, and on-campus briefing and debriefing sessions.

ORTH5054
Refraction Practice
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Nathan Clunas **Session:** Semester 1 **Classes:** Block mode (6 x 3 hour tutorials) and web-based, distance education mode: independent learning package with email support. **Assessment:** eLearning participation (2%), Professional Development Log (3%), Completion of refraction 'autobiography', refraction workbook and refraction tape assessment (5%), Practical exam (45%), Written Exam (45%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sci, M Hlth Sci.

This unit will extend preliminary knowledge of refractive errors to include more complex issues such as the aetiology and development of myopia. Emphasis will be placed on the clinical evaluation of refractive error including methods of objective and subjective refraction, the prescription of spectacles as well as A-scan ultrasonography and corneal aberrometry. The student will study and be encouraged to critically analyse the methods of detection of refractive error, the impact on the individual (related to ocular posture and daily life skills), and the selection of the most appropriate method to correct the optical error eg., single focus vs progressive lenses in a variety of occupational situations. Aspects of optical dispensing, fitting of contact lenses and surgical correction of refractive errors will be included.

Textbooks
Cassin B Hamed L (1995) Fundamentals for Ophthalmic Technical Personnel. Duane's Clinical Ophthalmology CD-Rom (2007). Stein H, Slatt B, Stein R (1994) The ophthalmic assistant. Corboy J (2003) The retinoscopy book: an introductory manual for eye care professionals

ORTH5055
Peri Operative Practice
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 3 days 9am-3pm, distance independent learning package with email support. **Assessment:** Module based learner activities (70%), Professional development portfolio (30%) **Practical field work:** Field experience in a surgical location x 1 visit **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sci, M Hlth Sci.

This unit will introduce the roles of the Orthoptist in surgical procedures and will include the following content:

Day Surgery procedures and management of the surgical patient including: Patient selection and anaesthesia, Pre Op, Peri Op and Post Op roles.

Principles of infection control in the workplace with particular emphasis on a surgical setting including patient and staff positioning, instrument care, handling & sterilisation.

Principles of Waste management in the workplace.

Instrument identification.

Minor surgical procedures for office based practice.

Textbooks
Day Surgery in Australia Report & Recommendations (2004).
(Download from Australian Day Surgery Council website).
Chern, Foley, Koo, Reddy, Sandoval.(2004) Ophthalmic Office Based Procedures A Step- by- Step Approach.

ORTH5056
Vision and Driving
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Neryla Jolly, Dr Nathan Clunas **Session:** Semester 2 **Classes:** Block mode 3 x 3 days on campus, on road practical sessions and web supported **Prerequisites:** Qualification that enables registration with the Australian Orthoptic Board **Assessment:** 6 case studies (30%), Critique of an area related to vision and driving skills (30%), 2 practical cases with on road assessment (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Note: Completion of this unit will enable official notification to the licensing authority in the state where the participant practices.

Associated degrees: Grad Cert Hlth Sci, M Hlth Sci.

The vision standards required to hold a driver's license are defined by Austroads. This unit of study will introduce the participant to the assessment and implementation of the standard in both the off and on road situation. The range of topics to be studied includes: revision of the general ocular and neurological conditions that can give rise to ocular responses that result in the standard not being met; investigation of different methods of disclosing vision defects; discussion of ethical and legal issues related to driver license standards; investigation of the impact of vision defects on driving skills and the role of other disciplines in the development of safe driver practice. This unit will involve the practical on-road assessment of driver's with vision impairments.

ORTH5057
Advanced Ocular Motility
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell, Ms Neryla Jolly, Mrs Sue Silveira **Session:** Semester 2 **Classes:** Web based case discussion, tutorials, practical sessions **Prerequisites:** Qualification that enables registration with the Australian Orthoptic Board **Assessment:** 6 case studies 60%, Critical analysis 40% **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Cert Hlth Sci, M Hlth Sci.

Participant will review principles of the assessment and treatment of strabismus and eye movement disorders. Through case study analysis, video presentations and case assessments participants will be encouraged to apply basic and innovative approaches to the diagnosis and management of patients with ocular motility defects. There will be an emphasis on evidence based practice and the application of recent research to clinical skills.

ORTH5058
Vision Impairment
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Block mode (6 x 3 hour tutorials) supported by web-based, independent learning package with email support. **Assessment:** 3 x case studies that include structured management plans **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sci, M Hlth Sci.

This unit of study focuses on clients with vision impairment, with the emphasis on identifying their specific needs to enable them to achieve, as much as possible, their own identified goals. Emphasis will be placed on single case studies, and the development of case management plans and problem solving strategies.

ORTH5059
Current Issues in Ophthalmology
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Kate Thompson, Dr Nathan Clunas **Session:** Semester 2 **Classes:** Block mode (8 x 3 hour tutorials) and web-based, independent learning package with email support. **Assessment:** 4 case studies (3 @ 20% and 1 @ 40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sci, M Hlth Sci.

This unit will include theory and practical sessions on the latest technical equipment used in orthoptic and ophthalmic practice, including: Optical Coherence Tomography (OCT), Fluorescein Angiography and Photography, Digital Anterior Segment and Fundus Photography, Heidelberg Retinal Tomography (HRT), Humphrey Matrix, Corneal Aberrometry and Pachymetry. Emphasis will be placed on the clinical evaluation of glaucoma, age-related macula

degeneration (AMD), and other macula dystrophies. An introduction to the management and coordination of clinical trials will also be included. The student will study and be encouraged to critically analyse current research literature.

Textbooks

Alfaro, D.V. (2006) Age-related macular degeneration : a comprehensive textbook. Bouma, B.E., Tearney, G.J. (2002) Handbook of optical coherence tomography. Duane's Clinical Ophthalmology CD-Rom (2007). Saine, P.J. (2002). Ophthalmic photography : retinal photography, angiography, and electronic imaging

University postgraduate units of study – P

PACS6901
UN and International Conflict Resolution
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert H R, Grad Cert Int Sec, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M P A C S, PG Coursework Exchange.

In this unit students critically examine the role of the United Nations in promoting international peace and security. The various international conflict resolution mechanisms employed by the UN are defined and analysed, including preventive diplomacy, peacemaking, peacekeeping, peace enforcement, and peacebuilding. Students will learn to assess the contribution of the UN to the attainment of peace with justice by considering historical and contemporary case studies such as Cambodia, Somalia and East Timor.

PACS6902
Reconciliation & Conflict Transformation
Arts

Credit points: 6 **Teacher/Coordinator:** Dr W Lambourne and the Department of Performance Studies **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Written work 5000 words equiv. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M P A C S, PG Coursework Exchange.

In this unit we explore the concepts of apology, forgiveness, reconciliation and justice as they apply to the transformation of conflicts and building of peace at the intrapersonal, interpersonal, community, national and international levels. Psychological, spiritual, structural and political dimensions of reconciliation mechanisms including truth commissions, victim-offender reconciliation and family group conferencing. Integral to this unit is a consideration of indigenous perspectives on reconciliation as a means of building peaceful relationships and societies. Case studies include South Africa, Bougainville, Rwanda and East Timor.

PACS6903
Peace and the Environment
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Summer Early **Classes:** 2 hours per week **Assessment:** 5,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Enviro Sci), Grad Cert Arts, Grad Cert P A C S, Grad Dip Arts, M A, PG Coursework Exchange, PG Summer/Winter School.

This unit considers the relationship between environmental degradation and human conflict in a range of geographical and cultural settings. Students investigate their personal relationship with 'nature' before exploring the reasons why the environment is being degraded. The unit traces the reasons why individuals in Western industrialised nations have come to see nature as 'other', 'separate' or 'removed' and explores the links between environmental degradation and conflict using the impacts of the anthropogenic greenhouse effect as a case study. We will also highlight some of the contradictions in the concept of "sustainability", and examine new approaches to environmental security, focusing on the issue of peace building through environmental protection at local, regional and internal levels.

PACS6904
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a Dissertation of 12-15,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M P A C S.

Research and writing toward a Dissertation of 12-15,000 words on an approved topic under the supervision of an academic member of staff.

PACS6905
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 1, Semester 2 **Assessment:** Completion and submission of a Dissertation of 12-15,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M P A C S.

Completion of research and writing, and submission of a Dissertation of 12-15,000 words on an approved topic, written under the supervision of an academic member of staff. Department permission required prior to enrolment.

PACS6907
Gender and the Development of Peace
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Lynda-ann Blanchard **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5,000 words written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Dv St, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M P A C S, PG Coursework Exchange.

This unit explores the significance of gender in peace and conflict studies. From the operation in Australia of women's night patrols as a response to community violence, to the Grameen Bank's experience of the feminisation of poverty in Bangladesh, the unit focuses on development as a community process. Feminist approaches to human rights and the role of women as agents of social change are investigated. Issues addressed include gender in peace-keeping operations and the contribution of men and women as peacemakers.

PACS6908
Conflict Resolution and Peacebuilding
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Class presentation and group role play/simulation (50%) Essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert P A C S, Grad Dip Arts, M A, PG Coursework Exchange.

This unit will provide an introduction to skills-building for peace practitioners by exploring theories of conflict resolution and their application in interpersonal, community and international peacebuilding contexts. Drawing on theorists and practitioners including Burton, Galtung and Lederach, students will learn how to analyse conflict situations and to assess appropriate intervention strategies. Case studies and role plays will be used to illustrate and develop skills in techniques such as mediation, conflict transformation and problem-solving workshops.

PACS6909
Cultures of Violence
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Ken Macnab **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Oral presentations and seminar participation (20%); 2 x 1,000 word exercises (based on presentations) (50%); 2,000 word take home reflective examination (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Lib Stud, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M P A C S, PG Coursework Exchange.

This unit will study the cultural contexts, origins, meaning and leading varieties of 'violence' in the modern world. How violence has been defined historically, its character and prevalence in different times and places, and changes in public perceptions, media presentation, tolerance, prevention and prosecution will be examined. Topics such as violence in the home, sport, public protest, sexual and racial relations, terrorism, genocide, warfare, youth culture and the criminal justice system will be considered.

PACS6910
Peace Through Tourism
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Lynda-ann Blanchard **Session:** Winter Main **Classes:** 2 hours per week **Assessment:** Class participation (10%); Oral presentation (30%); 3,500-4,000 word essay (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M P A C S, PG Coursework Exchange, PG Summer/Winter School.

Starting with the dichotomy of tourism as an industry versus tourism as a social force, this unit will investigate the social science perspective of tourism as a catalyst for peace. Topics to be covered include equity and justice issues, sustainability, international citizenship, globalisation, education and reconciliation tourism. The course will assess the contention of such bodies as the World Tourism Organisation that tourism is a force for peace.

PACS6911
Key Issues in Peace and Conflict Studies
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Jake Lynch **Session:** Semester 1, Semester 2, Winter Main **Classes:** 2 hours per week + Winter School intensive (London) **Prohibitions:** SCWK6930 **Assessment:** Class participation (10%); personal learning journal 2,000 words (30%); essay 4,000 words (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert Lib Stud, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M Litt, M P A C S, PG Coursework Exchange, PG Summer/Winter School.

This unit introduces students to theories of peace, conflict and violence. It demonstrates the interdisciplinary character of peace and conflict studies and the application of theories and methods across the spectrum of conflict types from intrapersonal and interpersonal, to community, inter-ethnic and international. Students gain an understanding of the nature of social conflict, causes of violence, and the meanings of peace, as well as conflict analysis and resolution and the means of achieving peace with justice in different conflict settings.

PACS6912
Nonviolence: Philosophy and Practice
Arts

Credit points: 6 **Session:** Summer Late **Classes:** 2 hours per week **Corequisites:** SCWK6930 or PACS6911 **Prohibitions:** SCWK6933 **Assessment:** Analysis and commentary 3,000 words (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M Litt, M P A C S, PG Coursework Exchange, PG Summer/Winter School.

This unit examines the role of nonviolence as a philosophy and practice in promoting social change. Specific topics include: approaches advocated by Gandhi, Martin Luther King and Aung San Suu Kyi; manifestations of nonviolence in the language of peace negotiations; analysis of how commitments to nonviolence advance understanding of democracy and civil society and thus influence principles of citizenship and human rights; and appraisal of the relevance of nonviolence to questions about national identity and policy priorities in the 21st century.

PACS6914
Conflict-Resolving Media
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof Jake Lynch and Ms Annabel McGoldrick **Session:** Semester 1, Summer Main, Winter Main **Classes:** 2 hours per week + intensive Summer or Winter School (London) **Corequisites:** SCWK6930 or PACS6911 **Prohibitions:** SCWK6935 **Assessment:** Class participation (15%); journal 1,000 words (15%); final assignment 4,000 words (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Media Prac, Grad Cert P A C S, Grad Dip Arts, Grad Dip Media Prac, Grad Dip P A C S, Grad Dip Stat Pr, M A, M Litt, M Media Prac, M P A C S, M Strat P R, PG Coursework Exchange, PG Summer/Winter School.

This unit examines media representations of conflict and their influence on the behaviour of those involved. t introduces creative ways for jounalists, media development workers and media activists to apply principles of conflict resolution. Students diagnose 'war journalism' and 'peace journalism', and analyse conflict in a journalism context. Theories of news and concepts of objectivity and responsibility are critically explored. Students gain practical skills in peace journalism and media activism as well as devising media interventions in conflict-affected areas.

PACS6915
Human Rights: Peace and Justice
Arts

Credit points: 6 **Teacher/Coordinator:** A/Prof J Lynch and Dr L Blanchard **Session:** Semester 2 **Classes:** 2 hours per week + online (web delivery) **Corequisites:** SCWK6930 or PACS6911 **Prohibitions:** SCWK6941 **Assessment:** Short essay 2500 words (35%); group presentation (25%); case study 3000 words (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Dv St, Grad Cert H R, Grad Cert Lib Stud, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M Litt, M P A C S, PG Coursework Exchange.

This unit explores the philosophy and development of the idea of human rights and the international human rights regime as a means of promoting peace and justice. Legal instruments and mechanisms, political strategies, humanitarian challenges and moral imperatives for implementing human rights locally and internationally are identified and discussed. Debates considered include those surrounding the universality and indivisibility of human rights, existence of group rights, ethics of humanitarian intervention and specific rights such as those of refugees, minorities and indigenous peoples.

PACS6916
Passion, Peace and Poetry
Arts

Credit points: 6 **Teacher/Coordinator:** Lynette Simons **Session:** Winter Main **Classes:** 2 hours per week **Corequisites:** SCWK6930 or PACS6911 **Prohibitions:** SCWK6940 **Assessment:** Anthology 3,000 words (30%); class presentation (30%); group assignment 2,500 words (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert P A C S, Grad Dip Arts, M A, M Litt, PG Coursework Exchange, PG Summer/Winter School.

In governments' deliberations about ending conflicts and UN representatives' conduct of peacebuilding, the influence of poetry is left mostly unacknowledged. This unit explore how the message of anti-war poets, from diverse cultures and traditions, expresses the meanings of peace and non-violence. It identifies ways in which peace negotiators - such as former UN Secretary-General Dag Hammarsjköld - were inspired by poets. The unit focuses on poetry but students are also encouraged to tap other literature that has explored the meanings of peace and thereby inspired individuals and social movements.

PACS6917
Religion, War and Peace
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 2 **Classes:** 2 hours per week **Corequisites:** SCWK6930 or PACS6911 **Assessment:** Class participation (10%); class presentation in pairs (30%); essay of 5,000 words (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Int Sec, Grad Cert P A C S, Grad Dip Arts, Grad Dip P A C S, M A, M Litt, M P A C S, PG Coursework Exchange.

Religion is a source of war and peace. In this unit, students will gain an appreciation of the peace traditions, attitudes towards violence, and peacebuilding practice in the world's major religions, focusing on Hinduism, Buddhism, Judaism, Christianity and Islam. The role of religion in determining ethical boundaries of human behaviour will be explored in relation to pacifism, nonviolence, just war and humanitarian intervention. Case studies of religious wars and peacemaking will be drawn from history as well as contemporary examples.

PACS6919
Treatise Part 1
Arts

Credit points: 12 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 1, Semester 2 **Corequisites:** PACS6911 **Assessment:** Research towards completion of treatise of 25-30,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Under supervision of a member of staff, students devise a research proposal, conduct research and complete a treatise of 25-30,000 words. In Treatise Part 1, students define the research topic and complete the bulk of research.

PACS6920
Treatise Part 2
Arts

Credit points: 12 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 1, Semester 2 **Corequisites:** PACS6911 and PACS6919 **Assessment:** Research towards and completion of treatise of 25-30,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Litt.

Under the supervision of a member of staff, students devise a research proposal, conduct research and complete a treatise of 25-30,000 words. In Treatise Part 2, students will complete their research and writing of the treatise.

PACS6922
Peaceful Conflict Transformation
Arts

Credit points: 6 **Teacher/Coordinator:** Johan Galtung **Session:** Semester 1, Semester 2 **Classes:** On-line **Prerequisites:** PACS6911 **Assessment:** Online discussions, group research and online presentations; individual research essay (5000-6000 words total equiv) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert P A C S, Grad Dip P A C S, M Litt, M P A C S, PG Coursework Exchange.

A critical introduction to the TRANSCEND method of analysing conflicts and identifying means for peaceful transformation, also known as Diagnosis-Prognosis Therapy. The application of these principles is considered: to micro-conflicts, within and between individuals; meso-conflicts, within societies; macro-conflicts, among states and nations; and mega-conflicts, among regions and civilizations. There will be an examination of 'deep culture' and 'deep structure' the underlying dynamics which predispose societies, states, nations and regions to particular forms of response to conflict issues.

PACS6923
The Human Right to Food
Arts

Credit points: 6 **Teacher/Coordinator:** George Kent **Session:** Semester 1 **Classes:** On-line **Assessment:** Online discussions (Skype voice conferences), group research and online presentations; individual research essay (5000-6000 words total equiv) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Dv St, Grad Cert H R, Grad Cert P A C S, Grad Dip Dv St, Grad Dip P A C S, M Dv St, M Litt, M P A C S, PG Coursework Exchange.

The human right to adequate food is considered in light of recent developments in economic and social rights to complement civil and political rights: historical foundations; the influence of the World Food Summit 1996; the application of the human right to adequate food in various contexts - specific countries, in relation to refugees, infants etc; analysing concrete situations to identify violations of the human right to adequate food; and formulating proposals for policy and legislation to realise the human right to adequate food in specific contexts.

PACS6924
Democracy in the Developing World
Arts

Credit points: 6 **Teacher/Coordinator:** Paul Scott **Session:** Semester 1 **Classes:** On-line **Assessment:** Online discussions, group research and online presentations; individual research essay (5000-6000 words total equiv) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Dv St, Grad Cert P A C S, Grad Dip Dv St, Grad Dip P A C S, M Dv St, M Litt, M P A C S, PG Coursework Exchange.

This unit offers a comparative consideration of different concepts of democratisation and development including the criteria for compiling country development indices and typologies of democracy. Experiences of implanting and/or imposing democracy are examined in Japan, Iraq and other nations. The pan-Pacific model of development, and the pros and cons of using authoritarian means to achieve it, is also considered, with examples including Indonesia under Suharto and Singapore under Lee Kuan Yew. Relationships between development, conflict and poverty are examined - do elections lead to more democracy? More development? Or do they allow authoritarian winners to institutionalise power? What about the coup in Thailand?

PACS6925
Peace and the Global Compact
Arts

Credit points: 6 **Teacher/Coordinator:** Fred Dubee **Session:** Semester 2 **Classes:** On-line **Assessment:** Online discussions, group research and online presentations; individual research essay (5000-6000 words total equiv) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert P A C S, Grad Dip P A C S, M Litt, M P A C S, PG Coursework Exchange.

An in depth critical exploration of the context, concept and development of the Global Compact, with an examination of the theoretical underpinnings of the notion of corporate social responsibility and the role business can play and should play in pursuit of peace and justice. Human rights principles, labour rights principles and environmental principles: where do they come from and how can they be applied in different situations? The role of business in zones of conflict and enabling economies of peace is considered in light of current case studies and experience.

PAED5000
Neonatal Medicine
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr John Sinn, Dr Anne Morris **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** discussion board participation (40%), 3x1500wd short answer/essay (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit of study will cover the latest advances in critical care of the newborn. Modules of study will include perinatal medicine, neonatal resuscitation and newborn transport. The unit will explore the clinical manifestations of important respiratory, cardiac, metabolic and neurological disorders presenting in the newborn. Changing patterns of neuro-developmental outcome in preterm and critically unwell neonates will be examined. The latest neonatal resuscitation guidelines will be critically appraised and current evidence for best practice in critical care of the newborn will be applied to a series of clinical scenarios involving neonatal common and life-threatening conditions. This unit is designed to encompass a range of likely neonatal clinical scenarios and disorders which clinicians may face in rural, remote, primary and tertiary level settings.

PAED5001
Paediatric Immunisation
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Dianne Campbell, Dr Anne Morris **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x1000wd essays (60%), on-line participation (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit of study will cover the important and latest aspects of immunisation in childhood. Basic science aspects covered will include the immunology of immunisation, the process of development of new vaccines and latest research developments in new vaccines. The clinical features of the currently vaccine preventable conditions of childhood will be covered through clinical scenarios, integrating the epidemiology, basic science and current immunisation schedule.

Immunisation in special populations and situations will be covered and the social and philosophical implications of immunisation will be explored.

PAIN5001
Introduction to Pain Management
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Michael Nicholas **Session:** Semester 1, Semester 2 **Classes:** Approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Cert Pain Mgt, Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Int Med), M M (Paed), M M (Pain Mgt), M Sc M (P M).

To introduce participants to the problem of pain within a multidisciplinary team framework and the extent of the problem in the community. The unit provides an overview of historical and philosophical models of pain and its management methods over time. Current classifications of pain are examined and the interrelationship between various paradigms of health and illness are outlined. Participants also begin to consider the principles of research design and biostatistics, and explore professional and ethical issues.

PAIN5002
Pain Mechanisms and Contributors
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Philip Siddall **Session:** Semester 1, Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Cert Pain Mgt, Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

To introduce and develop participants understanding about the basic neuroscience of pain and the interrelationship between psychological, physiological and environmental processes in pain. Neuro-anatomical, physiological, pharmacological, and biochemical mechanisms involved in nociception, including peripheral and central sensitisation are discussed. Theoretical bases are introduced and the ways in which psychological and environmental factors modify or maintain pain perception and behaviour are explored.

PAIN5003
Pain Treatment and Management Principles
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Laurie Mather **Session:** Semester 1, Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Cert Pain Mgt, Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

To introduce participants to the core principles of pain assessment, treatment and management. Participants consider the biopsychosocial model and the scientific basis for assessment, diagnosis and treatment. They explore principles of pharmacokinetics and pharmacodynamics, together with routes of drug administration. The role of physiotherapy and rehabilitation management, and the use of procedures such as neural blockade, simulation techniques and surgery are also considered.

PAIN5004
Pain Conditions
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Michael Cousins **Session:** Semester 1, Semester 2 **Classes:** On line - approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Cert Pain Mgt, Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

The unit provides an introduction to a range of pain conditions. Participants are encouraged to integrate and apply previous learning to specific pain problems, acute, chronic and cancer pain. Recent advances in pain relief techniques are introduced and specific issues in the management of pain in children and older people are considered.

PAIN5005
Orofacial Pain
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Russell Vickers **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** approximately 10 hours of study per week (equals 140 hours in total) Assessment: participation in online discussion **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), M M (Paed).

Orofacial pain is frequently reported in the general population and is severe. It encompasses several conditions that involve medical, dental and psychological variables such as neuralgia, neuropathic pain, and temporomandibular disorder and related headache syndromes. The purpose of this unit is to explore the principles of orofacial pain mechanisms, symptomatology and treatments. Topics include orofacial pain assessment, diagnostic tests including local anaesthetic blocks, specific pharmacology for orofacial pain, and multidisciplinary treatment approaches.

PAIN5006
Independent Studies in Pain
Medicine

Credit points: 6 **Teacher/Coordinator:** Ms Grace Tague **Session:** Semester 1, Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** learning contract (10%), 5000 word written assignments (or equivalent) (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), M M (Paed).

In this unit participants undertake to write up a long case study or arrange a clinical placement in an area of interest. The case study option aims to improve skills in the analysis of complex pain cases and clinical reporting. The clinical attachment allows participants to tailor the unit to meet specific clinical learning objectives. Participants identify specific learning needs, the resources required, and the outcomes that demonstrate achievement of their learning objectives.

PAIN5007
Dissertation A
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** supervised research, minimum 6hr/week **Prerequisites:** A candidate must have obtained a minimum weighted average mark mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** students write a dissertation up to 20,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (P M), M M (Pain Mgt), M Sc M (P M).

The honours dissertation provides participants with an opportunity to undertake an advanced investigation into a topic or issue relevant to their professional interests. Participants develop a proposal for independent research on a topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

PAIN5008
Dissertation B
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** supervised research, minimum 6hr/week **Prerequisites:** A candidate must have obtained a minimum weighted average mark mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** students write a dissertation up to 20,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (P M), M M (Pain Mgt), M Sc M (P M).

The honours dissertation provides participants with an opportunity to undertake an advanced investigation into a topic or issue relevant to their professional interests. Participants develop a proposal for independent research on a topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

PAIN5009
Dissertation C
Medicine

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Classes:** supervised research, minimum 6hr/week **Prerequisites:** A candidate must have obtained a minimum weighted average mark mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** students write a dissertation up to 20,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M M (P M), M M (Pain Mgt), M Sc M (P M).

The honours dissertation provides participants with an opportunity to undertake an advanced investigation into a topic or issue relevant to their professional interests. Participants develop a proposal for independent research on a topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

PAIN5010
Clinical Aspects of Neurobiology
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Philip Siddall **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit aims to build on information acquired from previous units and explore in more detail the assessment, mechanisms and management of several pain conditions. In addition, it aims to explore the concepts, neurobiology and clinical application of two approaches to pain management (lesioning and stimulation analgesia) as well as the placebo effects.

PAIN5011
Psychology of Pain
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Brad Wood **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit aims to provide a comprehensive study of current psychological perspectives and research on the experience and impact of pain. Theoretical models are introduced and the ways in which psychological processes might modify and/or maintain pain experience are explored. The processes explored include the roles of attention, learning, affect/mood, beliefs, self-talk, coping strategies, and interactions with environmental factors such as significant others, social contingencies and contexts (including culture, gender, workplace, etc.). Attention is given to incorporating psychosocial assessment within a biopsychosocial framework.

PAIN5012
Concepts of Pain
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Loftus **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit provides an overview of different aspects of pain. These aspects include philosophical, narrative, placebo, evolutionary and biopyschosocial approaches to understanding pain. The aim is to deepen students' appreciation of the context in which pain management takes place.

PAIN5013
Musculoskeletal Pain
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Damien Finniss **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit explores aspects of the assessment and management of musculoskeletal pain. Topics include anatomical/physiological mechanisms, medical and non-medical assessment and management, together with regional pain syndromes.

PAIN5014
Cancer Pain
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Melanie Lovell **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in

total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit addresses the biopsychosocial assessment and management of pain associated with cancer. Recent advances in pain relief techniques including delivery systems for patient control of pain are reviewed, together with appropriate assessment and treatment approaches for psychological factors such as depression, grief and stress.

PAIN5015
Pharmacology of Pain Medicine
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Laurie Mather **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit introduces students to the preclinical pharmacology of analgesic drugs. The ethics in laboratory research, drug testing models, and some of the confounding factors in such research are also covered.

PAIN5016
Psychological Approaches in Pain Mgmt
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Overton **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit is primarily focused on the influence of psychological variables in the implementation of all treatments, both somatic and psychological. The bio-psychosocial model of chronic pain is revisited and the implications for interdisciplinary interventions are discussed. The evidence for interventions based on psychological principles is critically examined and implementation of these interventions in a range of clinical settings is explored.

PAIN5017
Disability and Pain Rehabilitation
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Ian Cameron **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Paed), M M (Pain Mgt), M Sc M (P M).

The interface between pain assessment and treatment and the system of compensation for workplace-related injury and disability is the focus of this subject. Accordingly the role of pain management in rehabilitation following occupational injury or illness is addressed, together with the medical, legal, insurer, employer, trade union and rehabilitation provider perspectives and roles in providing protection, advocacy, compensation and treatment. Legislative and attitudinal changes in the social environment relating to occupational injury and treatment are considered together with challenges for pain management arising from dysfunction in the system of rehabilitation following injury.

PAIN5018
Pain in Children
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Jonathan de Lima **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Int Med), M M (Paed), M M (Pain Mgt), M Sc M (P M).

This unit provides an opportunity for students to understand the developmental physiology and psychology of infants and children, together with the pharmacology (particularly with reference to dose and route of administration) of pain management in children. Particular attention is given to management of acute pain in children, both post-operative and procedure-related pain, to methods of pain assessment in children of various ages, to non-pharmacological pain management strategies and to chronic pain presentations in children.

PAIN5019
Pain in Older People
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Brad Wood **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Int Med), M M (Paed), M M (Pain Mgt), M Sc M (P M).

Readings and case studies will highlight the unique difficulties of elderly people who suffer from degenerative, painful conditions, often exacerbated by multiple losses, role changes, limited mobility and mood disorder. The emphasis will be on assessment and management of pain when complicated by these conditions.

PAIN5020
Complementary Therapies: Pain Management
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Russell Vickers **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), Grad Dip Med (Pain Mgt), Grad Dip Sc Med (Pain Mgt), M M (Int Med), M M (Paed), M M (Pain Mgt), M Sc M (P M).

his unit explores complementary therapies that may accompany conventional medical approaches in the management of pain. The evidence base is discussed, as well as the implications, costs and side effects of these therapies. The historical basis of each therapy is considered, together with current knowledge about their application and potential interactions with conventional medicines and treatments. Topics include: acupuncture, herbalism, homeopathy, hypnosis and relaxation techniques, yoga and meditation, osteopathy and chiropractic.

PALI5901
Pali for Postgraduates 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr M Allon **Session:** Semester 1 **Classes:** 2 hours per week **Prohibitions:** PALI1001 **Assessment:** 4000-5000 words in written assignments, tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

Pali is a major canonical language of Buddhism. The scriptures of the Theravada School of Buddhism, which represent the oldest Buddhist writings preserved in an Indic language, are in Pali, as are the

commentaries and historical literature of the School. This unit will provide a grounding in the language and enable students to read simple texts in Pali.

PALI5902
Pali for Postgraduates 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr M Allon **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** PALI5901 or equivalent **Prohibitions:** PALI1002 **Assessment:** 4000-5000 words in written assignments, tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

This unit is an extension of PALI5901. By the end of the unit, students will have completed Pali grammar and be in a position to read both scriptures and commentaries.

PCOL5001
Current Topics in Pharmacology
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Ian Spence **Session:** Semester 1 **Classes:** 2hrs of lectures and 3hrs laboratory classes/workshops per week **Assessment:** examination (60%), in-semester assessments (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This unit aims to develop students' understanding of the therapeutic applications of drugs based on their underlying pharmacodynamic and pharmacokinetic properties, concentrating on the pharmacology of agents most widely used in Australia and exploring issues related to the use and safety of these agents.

PERF5001
Principal Study (MMus) 1
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) **Session:** Semester 1, Semester 2 **Classes:** 14hrs of instrumental tuition/sem or equivalent, and other supervision and performance classes as appropriate, including two performances in Performance Workshop. **Assessment:** 50min recital or equivalent (80%); Critical Notes (20%). Students must gain a minimum of at least a pass in Critical Notes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance), PG Coursework Exchange.

Students will devise performance projects which expand the boundaries of the discipline of performance in consultation with their main supervisor/teacher and associate supervisor. Research and creative objectives and semester outline will be devised and approved in consultation between individual students, the supervisor/teacher and associate supervisor and the appropriate Chair of Unit.

PERF5002
Principal Study (MMus) 2
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) **Session:** Semester 1, Semester 2 **Classes:** 14hrs of instrumental tuition/sem or equivalent, and other supervision and performance classes as appropriate, including two performances at Performance Workshop. **Prerequisites:** PERF5001 Principal Study (MMus) 1 **Assessment:** 50 min public recital or equivalent (80%): Critical Notes (20%): students must gain a minimum of a pass in Critical Notes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance), PG Coursework Exchange.

Students will devise performance projects which build on the themes developed in Principal Study 1 and which expand the boundaries of the discipline of performance. While scope exists for the work of Principal Study 2 to continue that of Principal Study 1, students may, if they wish, develop projects in another area. Research and creative objectives and semester outline will be devised and approved in consultation between individual students, the supervisor/teacher and associate supervisor and the appropriate Chair of Unit.

PERF5005
Principal Study (Performance) 1
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Coordinator) **Session:** Semester 1, Semester 2 **Classes:** 14 hours of instrumental tuition/semester or equivalent, and other supervision and performance classes as appropriate, including 2 performances at Performance Workshop. **Assessment:** 50 min recital or equivalent (90%); program notes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), M Mus Stud (Perf), PG Coursework Exchange.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For further information contact D. Herscovitch (Graduate Course Coordinator).

PERF5006
Principal Study (Performance) 2
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) **Session:** Semester 1, Semester 2 **Classes:** 14 hours of instrumental tuition/semester or equivalent, and other supervision and performance classes as appropriate, including 2 performances at Performance Workshop. **Prerequisites:** PERF5005 Principal Study (Performance) 1 **Assessment:** 50 min public recital or equivalent (90%); program notes (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), M Mus Stud (Perf), PG Coursework Exchange.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For further information contact D. Herscovitch (Graduate Course Coordinator).

PERF5007
Principal Study (GradDip) 1A
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convenor) **Session:** Semester 1, Semester 2 **Classes:** 0.5hr individual lesson and other supervision and performance classes as appropriate including 1 performance at performance workshop. **Assessment:** 25 min recital or equivalent (90%), program notes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Mus (Perf), PG Coursework Exchange.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. This subject is available for part-time Graduate Diploma candidates only. For further information contact D. Herscovitch (Graduate Course Convenor).

PERF5008
Principal Study (GradDip) 1B
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convenor) **Session:** Semester 1, Semester 2 **Classes:** 0.5hr individual lesson/wk and other supervision and performance classes as appropriate including 1 performance at Performance Workshop. **Prerequisites:** PERF5007 Principal Study (GradDip) 1A **Assessment:** 25 min recital or equivalent (90%), program notes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), PG Coursework Exchange.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. This subject is available for part-time Graduate Diploma candidates only. For further information contact D. Herscovitch (Graduate Course Convenor).

PERF5009
Principal Study (GradDip) 2A
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) **Session:** Semester 1, Semester 2 **Classes:** 0.5hr individual lesson/wk and other supervision and performance classes as appropriate including 1 performance at Performance Workshop. **Prerequisites:** PERF5008 Principal Study (GradDip) 1B **Assessment:** 25 minute recital or equivalent

(90%), program notes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. This subject is available for part-time Graduate Diploma candidates only. For further information contact D. Herscovitch (Graduate Course Convenor).

PERF5010
Principal Study (GradDip) 2B
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convenor) **Session:** Semester 1, Semester 2 **Classes:** 0.5hr individual lesson/wk and other supervision and performance classes as appropriate including 1 performance at Performance Workshop. **Prerequisites:** PERF5009 Principal Study (GradDip) 2A **Assessment:** 50 minute recital or equivalent (90%); program notes (10%). A student is allowed to present works for the recital in Principal Study 2A. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Perf), PG Coursework Exchange.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. This subject is available for part-time Graduate Diploma candidates only. For further information contact D. Herscovitch (Graduate Course Convenor).

PERF5015
Performance Portfolio 1
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Associate Dean (Graduate Studies) **Session:** Semester 1, Semester 2 **Classes:** One seminar/2wk or as necessary. **Prerequisites:** Enrolment with approval of Associate Dean (Graduate Studies). **Assessment:** Assignments and presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Mus Stud (Perf).

This unit is devoted to an extensive exploration of a particular aspect of a student's specialisation and will be in an area of study distinct from repertoire studied as part of the normal requirements of Principal Study. It could be in areas such as Orchestra, Chamber Music, Early Music, Contemporary Music, Vocal Music or Opera. The Portfolio could take the form of a sound/video record of the student's activities. The student will be expected to develop an original perspective on an area of performance such as repertoire, performing techniques, modes of performance etc., and the Portfolio will contain a written, reflective component.

PERF5016
Performance Portfolio 2
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One seminar/2wk or as necessary. **Prerequisites:** PERF5015 Performance Portfolio 1 and with approval of Associate Dean (Graduate Studies). **Assessment:** Seminar presentation, work in progress, and final project submission. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Mus Stud (Perf), PG Coursework Exchange.

This unit is devoted to an extensive exploration of a particular aspect of a student's specialisation and will be in area of study distinct from repertoire studied as part of the normal requirements of Principal Study. It could be in areas such as Orchestra, Chamber Music, Early Music, Contemporary Music, Vocal Music, or Opera. The Portfolio could take the form of a sound/video record of the student's activities. The student will be expected to develop an original perspective on an area of performance such as repertoire, performing techniques, modes of performance etc., and the Portfolio will contain a written, reflective component.

PERF5019
Principal Study (Performance) 3
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) and/or D. Miller (Ensemble Studies). **Session:** Semester 1, Semester 2 **Classes:** 14 hours of instrumental tuition/semester or equivalent, and other supervision and performance classes as appropriate, including 2 performances in Performance Workshop. **Prerequisites:** PERF5006 Principal Study (Performance) 2 **Assessment:** 50 min public recital or equivalent (90%), program notes (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Perf), PG Coursework Exchange.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation.

PERF5021
Graduate Research Project
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Associate Dean (Graduate Studies) **Session:** Semester 1, Semester 2 **Classes:** 2hr seminar **Assessment:** Work-in-progress assignments, seminar presentation, and final project of 5000w or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Perf), PG Coursework Exchange.

In this unit of study students research and document work on individual topics related to each student's instrumental/vocal repertoire. The final format of the project is negotiated with relevant staff members. It will contain a written component, and will normally include a CD or DVD recording, or a lecture-recital.

PERF5023
Graduate Aural
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Associate Dean (Graduate Studies) **Session:** Semester 1, Semester 2 **Classes:** 2 hr/wk. **Assessment:** Ongoing assessment of student work (20%), mid-semester test (40%), final test (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), M Mus Stud (Perf).

This unit of study promotes an understanding of the elements of music and ways in which they function in musical structures through emphasis on musical sound and its connection with notation. The primary method of instruction is aural analysis (through dictation) and aural imagination (through Solfege).

PERF5024
Graduate Elective 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Associate Dean (Graduate Studies) **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mus (Cr Sound Prod), Grad Dip Mus (Perf), M Mus Stud (Cond), M Mus Stud (Perf), PG Coursework Exchange.

Students will take a seminar drawn from existing graduate units of study, subject to approval from the Associate Dean (Graduate Studies) and relevant chair/s of unit/s. If a coursework student undertakes a research unit of study, separate assessment will be advised.

PERF5025
Graduate Elective 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Associate Dean (Graduate Studies) **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mus (Cr Sound Prod), Grad Dip Mus (Perf), M Mus Stud (Cond), M Mus Stud (Perf), PG Coursework Exchange.

Students will take a seminar drawn from existing graduate units of study, subject to approval from the Associate Dean (Graduate Studies) and relevant chair/s of unit/s. If a coursework student undertakes a research unit of study, separate assessment will be advised.

PERF5026
Conducting 1

Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 4-6 hours per week in a combination of class and individual instruction, and 3-5 hours per week with orchestra. **Assessment:** Attendance and participation (20%), preparation (30%), development of conducting and musical skills (20%), work with Conductor's Orchestra (20%), end of semester concert (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Group and individual instruction in orchestral conducting and methods of score interpretation.

PERF5027
Conducting 2
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 4-6 hours per week in a combination of class and individual instruction, and 3-5 hours per week with orchestra. **Prerequisites:** PERF5026 Conducting 1 **Assessment:** Attendance and participation (20%), preparation (30%), development of conducting and musical skills (20%), work with Conductor's Orchestra (20%), end of semester concert (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Group and individual instruction in orchestral conducting and methods of score interpretation.

PERF5028
Ensemble Experience 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, choral, chamber music or equivalent. **Assessment:** Two progress reports, one at mid-semester and another at the conclusion of the semester (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Performance in an ensemble

PERF5029
Ensemble Experience 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, choral, chamber music or equivalent. **Prerequisites:** PERF5028 Ensemble Experience 1 **Assessment:** Evaluation of work by relevant conducting staff (50%), reflective journal (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Each student will be assigned to an ensemble for the semester to work with the conductor of that ensemble - this includes: taking rehearsals, sectional work, ensemble management, attending all rehearsals an conductor's assistant (keeping notes, marking up of scores, etc), and some conducting. This gives students the opportunity to work with a conductor for a length of time; to become familiar with the day-to-day work of conducting an ensemble; to learn how to prepare and handle scores; to learn repertoire; to observe and experience the application of skills acquired in Conducting 1-4.

PERF5030
Keyboard Skills
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Assessment:** Ongoing assessment of student work (60%), final exam (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Students will learn processes for score reduction and interpretation through keyboard (piano) experience. Broadening of repertoire and understanding of composers' orchestral styles will be attained through selection of material.

PERF5031
Analysis for Conducting
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week. **Assessment:** Portfolio (40%) and survey article (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

The aim of this unit of study is to further students' knowledge of analytical methods and skills in applying these to musical works. A range of analytical methods will be covered.

PERF5032
Individual Project 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Assessment:** Ongoing participation in seminars; written proposal of approximately 2 000 words (40%), written report on progress, approximately 3 500 words (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

This unit of study focuses on the early stages of planning a research project relevant to students' conducting repertoires and interests. A written proposal for the project is due by mid-semester. Projects and be analytical, historical, notational, kinesthetic, repertoire based stylistic, etc. Students are encouraged to utilize forms of electronic communication (such as DVD, CD, Websites) in their projects. Keyboard players with requisite levels of skill can apply to work on operatic coaching and produce a project related to this.

PERF5033
Individual Project 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week. **Prerequisites:** PERF5032 **Assessment:** Ongoing participation in seminars, oral report (10%), final submission of project, approximately 5 000-8 000 words or equivalent (90%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

In this semester each student works on completion of the project commenced in Individual Project 1. The final product can take one of a number of different forms: written document (5 000-8 000 words), CD or DVD recording, performing edition of work/s, etc, to be negotiated with relevant supervisory staff.

PERF5034
Conducting 3
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 4-6 hours per week in a combination of class and individual instruction, and 3-5 hours per week with orchestra. **Prerequisites:** PERF5027 **Assessment:** Attendance and participation (20%), preparation (30%), development of conducting and musical skills (20%), work with Conductor's Orchestra (20%), end of semester concert (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Group and individual instruction in orchestral conducting and methods of score interpretation.

PERF5035
Conducting 4
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** 4-6 hours per week in a combination of class and individual instruction, and 3-5 hours per week with orchestra. **Prerequisites:** PERF5034 **Assessment:** Attendance and participation (20%), preparation (30%), development of conducting and musical skills (20%), work with Conductor's Orchestra (20%), end of semester concert (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Group and individual instruction in orchestral conducting and methods of score interpretation.

PERF5036
Ensemble Experience 3
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** I. Pallo **Session:** Semester 1, Semester 2 **Classes:** Participation in orchestral, choral, chamber music or equivalent. **Prerequisites:** PERF5029 **Assessment:** Evaluation of work by relevant conducting staff (50%), student's reflective journal (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Cond), PG Coursework Exchange.

Each student will be assigned to an ensemble for the semester to work with the conductor of that ensemble - this is to include: taking rehearsals as conductor's assistant (keeping notes, marking up scores, etc), some conducting. This gives students the opportunity to work with a conductor for a length of time; to become familiar with the day-to-day work of conducting an ensemble; to learn how to prepare and handle scores; to learn repertoire; to observe and experience the application of skills acquired in Conducting 1-4.

PERF5037
Audition Preparation 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr P. Dunbar-Hall **Session:** Semester 1, Semester 2 **Classes:** 2 hour class/wk **Assessment:** GradDipMus and MMusStuds Degrees: A mid-semester hearing of 6 excerpts (10%); final assessment - 30mins of 10 excerpts (90%). repertoire must differ from that used for assessment in Principal Study 1. MMus Degree: A mid-semester hearing of 6 excerpts (10%); final assessment - 30 mins of 10 excerpts (70%), (repertoire must differ from that used for assessment in Principal Study 1); Research based paper of 3,000 words (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Accomp), Grad Dip Mus (Opera), Grad Dip Mus (Ped), Grad Dip Mus (Perf), M Mus (Performance), M Mus Stud (Opera), M Mus Stud (Ped), M Mus Stud (Perf), PG Coursework Exchange.

Lectures on audition preparation (including written applications, visualised and physical preparation, emotional and mental preparation, issues of style (eg. vibrato, articulation etc). Performance each week of a nominated excerpt for peer and staff assessment and comment, leading to 10 excerpts by the completion of the semester. Study of and comments on three contrasting recordings of complete works for each excerpt. Writing of a weekly journal. Students will study excerpts as the content of their Principal Study lessons, in addition to preparing concerto/s as expected for auditions.

PERF5038
Audition Preparation 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr P. Dunbar-Hall **Session:** Semester 1, Semester 2 **Classes:** 2 hour/week **Prerequisites:** PERF5037 **Assessment:** GradDipMus (AudPrep), MMus Stud: hearing of 6 excerpts in mid-semester (10%); Final assessment; 40 minutes of up to 20 excerpts selected by staff from a student's repertoire (from memory) (90%). Repertoire must differ from that used for assessment in Principal Study 2. MMus Assessment: hearing of 6 excerpts mid-semester (10%), Final assessment: 40 minutes of up to 20 excerpts selected by staff from a student's repertoire (from memory) (70%). Repertoire must differ from that used for assessment in Principal Study 2. Students in MMus programs will also submit a research based paper of 3,000 words (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance), M Mus Stud (Opera), M Mus Stud (Perf), PG Coursework Exchange.

Weekly preparation by each student of one excerpt from memory (selected by Principal Study teacher) leading to preparation of 20 excerpts for the semester. Performance in class of 3-5 excerpts for peer and staff assessment. Study of and comments on three contrasting recordings of complete works for each excerpt. Writing of a weekly journal. Students will study excerpts as the content of their Principal Study lessons, in addition to preparing concerto/s as expected for auditions.

PERF5600
Research Methods for Performance
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 2-hour seminar per week **Assessment:** Assessment will include an annotated bibliography, a written research proposal, and a seminar presentation and participation in discussions. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Classes may be shared with MCGY5000 Introduction to Research Methods.

Associated degrees: D M A.

This unit of study provides foundations necessary for developing and carrying out research into a wide variety of musical topics. It is especially targeted to the development of performance research projects. Scholarly skills will be developed including those to do with information searching and interpretation, written and spoken communication. These will be applied throughout the student's course.

PERF5601
Performance Project 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 1-hour individual performance tuition per week and other classes as appropriate. **Assessment:** Assessment of work-in-progress throughout the semester by performance teacher. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D M A.

Students will develop and present a research-based performance with the guidance of the performance teacher. Requirements will vary according to the performance field.

PERF5602
Performance Project 2
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 1-hour individual performance tuition per week and other classes as appropriate. **Prerequisites:** PERF5601 Performance Project 1 **Assessment:** Substantial recital or equivalent performance with accompanying critical notes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D M A.

Students will develop and present a research-based performance with the guidance of the performance teacher. Requirements will vary according to the performance field.

PERF5611
Graduate Seminar 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 2-hour seminar per week. **Assessment:** Written work normally including an essay; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Some instrumental or research areas may have particular requirements or recommendations for choice of seminars.

Associated degrees: D M A.

Students will take a postgraduate seminar, normally drawn from existing postgraduate units within the Master of Music (Musicology) and (Music Education) streams. Subject to approval, postgraduate units of study in other faculties may also be taken. For further information contact Dr K. Nelson.

PERF5612
Graduate Seminar 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 2-hour seminar per week. **Prerequisites:** PERF5600 Research Methods for Performance and PERF5611 Graduate Seminar 1 **Assessment:** Written work normally including an essay; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Some instrumental or research areas may have particular requirements or recommendations for choice of seminars.

Associated degrees: D M A.

Students will take a postgraduate seminar, normally drawn from existing postgraduate units within the Master of Music (Musicology) and (Music Education) streams. Subject to approval, postgraduate

units of study in other faculties may also be taken. For further information contact Dr K. Nelson.

PERF6000
Principal Study (MMus) 3
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) **Session:** Semester 1, Semester 2 **Classes:** 14hrs of instrumental tuition/sem or equivalent, and other supervision and performance classes as appropriate, including two performances in Performance Workshop. **Prerequisites:** PERF5002 Principal Study MMus(Perf) 2 **Assessment:** 50 min public recital or equivalent, (80%): Critical Notes (20%): students must gain a minimum of a pass in Critical Notes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance), PG Coursework Exchange.

Students will devise performance projects which build on the themes developed in Principal Study 1 and 2 and which expand the boundaries of the discipline of performance. While scope exists for the work of Principal Study 3 to continue that of Principal Study 1 and 2, students may, if they wish, develop projects in another area. Research and creative objectives and semester outline will be devised and approved in consultation between individual students, the supervisor/teacher and associate supervisor and the appropriate Chair of Unit.

PERF6001
Principal Study (MMus) 4
Sydney Conservatorium of Music

Credit points: 16 **Teacher/Coordinator:** D. Herscovitch (Graduate Course Convener) **Session:** Semester 1, Semester 2 **Classes:** 14hrs of instrumental tuition/sem and other supervision and peformance classes as appropriate **Prerequisites:** PERF6000 Principal Study MMus(Perf) 3 **Assessment:** 50 min recital or equivalent, two performances at graduate seminar (80%): Critical Notes (20%): students must gain a minimum of pass in Critical Notes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Performance).

Students will devise performance projects which build on the themes developed in Principal Study 1-3 and which expand the boundaries of the discipline of performance. While scope exists for the work of Principal Study 4 to continue that of Principal Study 1-3, students may, if they wish, develop projects in another area. Research and creative objectives and semester outline will be devised and approved in consultation between individual students, the supervisor/teacher and associate supervisor and the appropriate Chair of Unit.

PERF6613
Graduate Seminar 3
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 2-hour seminar per week. **Prerequisites:** PERF5612 Graduate Seminar 2 **Assessment:** Written work normally including an essay; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Some instrumental or research areas may have particular requirements or recommendations for choice of seminars.

Associated degrees: D M A.

Students will take a postgraduate seminar, normally drawn from existing postgraduate units within the Master of Music (Musicology) and (Music Education) streams. Subject to approval, postgraduate Units of Study in other faculties may also be taken. For further information contact Dr K. Nelson.

PERF6614
Graduate Seminar 4
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 2-hour seminar per week. **Prerequisites:** PERF6613 Graduate Seminar 3 **Assessment:** Written work normally including an essay; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Some instrumental or research areas may have particular requirements or recommendations for choice of seminars.

Associated degrees: D M A.

Students will take a postgraduate seminar, normally drawn from existing postgraduate units within the Master of Music (Musicology) and (Music Education) streams. Subject to approval, postgraduate units of study in other faculties may also be taken. For further information contact Dr K. Nelson.

PHAR5016
Clinical Placement A
Pharmacy

Credit points: 2 **Session:** Semester 1, Semester 2 **Classes:** 8 hrs/semester **Assessment:** Oral case presentation, written case presentation, preceptor feedback. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Pharm (Clin).

In this unit of study students will be introduced, through tutorials and clinical placement, to patient case notes and to the hospital setting if they are not already familiar with the Australian health care system. They will be rquired to follow up and research at least one patient and his/her disease state(s) and to present this case to pharmacists at the hospital and at the University.

PHAR5017
Clinical Placement B
Pharmacy

Credit points: 10 **Session:** Semester 1, Semester 2 **Classes:** 38 hrs/semester **Assessment:** Oral case presentation, written case presentation, preceptor feedback, portfolio of clinical cases. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

Associated degrees: M Pharm (Clin).

Following on from Clinical Placement A, students will undertake a placement with a clinical specialist pharmacist and will be expected to participate in any clinical activities, such as ward rounds or case conferences. Each student will be required to follow up and research at least four patients, to keep a portfolio of these cases (including medication reviews when indicated) and present at least one case to their specialist pharmacist and academic pharmacists at the University.

PHAR5018
Clinical Placement C
Pharmacy

Credit points: 4 **Session:** Semester 1, Semester 2 **Classes:** 16 hrs/semester **Assessment:** Oral case presentation, written case presentation, preceptor feedback, portfolio of clinical cases. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment.

Associated degrees: M Pharm (Clin).

Clinical Placement C is optional and may be undertaken instead of PHAR5006 Statistics and PHAR5105 Research Methods. Following on from Clinical Placement A, students will undertake a placement with a clinical specialist pharmacist and will be expected to participate in any clinical activities, such as ward rounds or case conferences. Each student will be expected to follow up and research at least three patients, to keep a portfolio of these cases (including medication reviews when indicated) and present at least one case to their specialist pharmacist and to academic pharmacists at the University.

PHAR5103
Research Project B
Pharmacy

Credit points: 8 **Session:** Semester 1, Semester 2 **Assessment:** Protocol presentation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Pharm (Clin).

Students are assisted with the development of their individual research projects for completion of their thesis. On completion of this unit, each student will have prepared a written proposal for their research project.

PHAR5104
Research Project C
Pharmacy

Credit points: 8 **Session:** Semester 1, Semester 2 **Assessment:** Research thesis/paper (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Pharm (Clin).

Students will complete the writing of the research thesis/project.

PHAR5106
Research Project A
Pharmacy

Credit points: 8 **Session:** Semester 1, Semester 2 **Assessment:** Literature review (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Pharm (Clin).

The methods available to carry out Pharmacy Practice research will be explored and the protocol for your research project designed.

The research project will be carried out following development of the protocol. The research and thesis preparation will be conducted over three semesters (minimum) - seven semesters (maximum).

PHAR5505
Clinical Residency 1
Pharmacy

Credit points: 12 **Teacher/Coordinator:** Dr B Bajorek **Session:** S2 Late Int **Classes:** presented primarily as off-campus experiential placements with campus-based tutorials/workshops **Corequisites:** PHAR5518 **Assessment:** Continuous assessment via skill-based competencies (30%); tutorial/workshop participation, including pre-work (30%); oral presentation (20%); reflection (10%); and preceptor evaluation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M Pharm.

This unit of study integrates the information and skills developed in Pharmacy Practice A or Pharmacy Practice M1 within an experiential setting, providing students with the opportunity to enhance their knowledge and skill base. Students will undertake their learning within both the community and hospital setting, where they will: observe the role of the pharmacist, and their relationship to other health care professionals, within the health care team; utilise their communication skills to educate, and deliver drug information to, pharmacy clients (patients, pharmacists, health professionals, peers); and develop their clinical knowledge by observing, monitoring, and researching the application of pharmacotherapy to patient care, focusing on the core therapeutic areas (as covered in coursework). Additionally, students will participate in campus-based (face-to-face and/or on-line) tutorial and/or workshop sessions that will enable them to demonstrate, in a group setting, clinical knowledge and skill development, as well as provide a forum to discuss various practice issues, as experienced during clinical placement.

PHAR5506
Pharmaceutical Chemistry 2B
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr R Roubin **Session:** Semester 2 **Classes:** lectures, self-directed learning or workshops/wk. **Prerequisites:** PHAR5516 **Assessment:** Exam (50%), structure based drug design (15%), drug action workshop I (20%), drug action workshop II (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

The aim of this unit of study is to explore recent advances in drug technology and to illustrate how basic research underpins clinical practice and pharmaceutical care. Students will be exposed to the newly developed and "up-and-coming" biotechnologies such as gene therapy, immunotherapies and prodrugs in the context of neurological disorders, inflammatory diseases, cancer and AIDS. Students will also obtain molecular insights into the actions of natural products and structure based design. On successful completion of this unit of study, students will: (i) be aware of the latest advances in drug technology; (ii) understand how basic research underpins clinical practice and pharmaceutical care; (iii) have developed advanced literature searching skills and be able to comprehend the work in original research articles and extract the relevant information from those articles; (iv) have improved their writing and oral communication skills; (v) comprehend the role computational chemistry plays in determining the molecular basis of drug action. This unit of study will hone the student's critical thinking, literature searching and scientific presentation skills -thus equipping the students with the essential skills for life-long learning.

Textbooks
DA Williams & TL Lemke Foye's Principles of Medicinal Chemistry (Lippincott Williams & Wilkins, 5th Ed, 2002)

PHAR5507
Dispensing Practice
Pharmacy

Credit points: 6 **Teacher/Coordinator:** E Sainsbury **Session:** Semester 1 **Classes:** presented on campus as lectures, workshops and practical classes. **Prerequisites:** PHAR5517 **Assessment:** Practical exams 30%, written exam 30%, continuous practical assessment 30%, dispensing portfolio 10%.. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

Introduction to dispensing practice, accuracy in dispensing, legal aspects of dispensing prescriptions, procedures for dispensing prescriptions, documentation of dispensing procedures, containers and labelling of dispensed medicines, dispensing of particular formulations, effect of changing formulation variables on the physical properties and efficacy of pharmaceutical products, dispensing and therapeutics, dosage, pricing of prescriptions. A series of workshops and practical classes complements the lectures, allowing students to dispense and critically assess a variety of pharmaceutical products and a range of proprietary items, as well as facilitating the development of error-detection skills. During the second half of the semester, the process of dispensing is extended to include therapeutic aspects and recommendations.

Textbooks
Australian Medicines Handbook 2007 or 2008, Australian Pharmaceutical Formulary (latest version)

PHAR5508
Pharmacy Practice B
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr S Megalli **Session:** Semester 1 **Classes:** presented as lectures and tutorials **Prerequisites:** PHAR5518 and PHAR5505 **Assessment:** Tutorial contribution 40% and written exam 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This Unit of Study (UoS) is a continuation of Pharmacy Practice A. A number of therapeutics topics will be covered in a problem-based learning format. Practice-based tutorials will be supplemented with relevant therapeutics lectures and other learning resources. Students will explore the role of the pharmacist in advising on primary and self care, performing clinical interventions, conducting medication reviews, monitoring therapeutic outcomes and participating in therapeutic decision making within these therapeutic areas. This Uos will facilitate students to gain in-depth knowledge about the pharmacotherapy of disease states through self-directed learning

Themes such as evidence based practice, pharmacoepidemiology, drug information, medication safety, ethics and communication skills will be incorporated throughout the UoS.

Textbooks
Therapeutic Guidelines, Therapeutic Guidelines Ltd, North Melbourne, Vic., latest editions; Australian Medicines Handbook, Rossi S (ed), 2008; Clinical Pharmacy and Therapeutics (4th edn), Walker R, Whittlesea C (eds), 2007.

PHAR5509
Integrated Pharmaceutics
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr M Bebawy **Session:** Semester 2 **Classes:** workshops, self-directed learning. **Prerequisites:** PHAR5517

Corequisites: PHAR5514 **Assessment:** Exam (55%), oral presentation (15%), quizzes (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

The overall theme of this unit of study is "Drug discovery and development". It is designed to integrate and apply knowledge from the various sub-disciplines within Pharmaceutics including Physical Pharmaceutics, Pre-formulation Science, Formulation, Biopharmaceutics, Pharmacokinetics, Pharmacodynamics, Pharmacogenetics and Pharmacogenomics. Workshop scenarios will deal with all various aspects of Pharmaceutics and simulate real-life situations. The literature review/project will further enhance the students learning in this area by self directed learning and reference to the literature in this area.

Textbooks

Shargel L., Wu-Pong S, Yu ABC. Applied Biopharmaceutics and Pharmacokinetics (5th edn). 2005.
Ansel HC. et al. Pharmaceutical Dosage Forms and Drug Delivery Systems (7th edn). Lea & Febiger, 1999.

PHAR5510
Pharmacy Practice C
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr K Williams **Session:** Semester 2 **Classes:** presented as lectures and tutorials. **Corequisites:** PHAR5508 **Assessment:** Tutorial contribution 40% and exams 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This Unit of Study (UoS) is a continuation of Pharmacy Practice A and B. A number of therapeutics topics will be covered in a problem-based learning format. Practice-based tutorials will be supplemented with relevant therapeutics lectures and other learning resources. Students will explore the role of the pharmacist in advising on primary and self care, performing clinical interventions, conducting medication reviews, monitoring therapeutic outcomes, participating in therapeutic decision making and involvement in health promotion and public health within these therapeutic areas.

Themes such as evidence based practice, pharmacoepidemiology, drug information, medication safety, ethics and communication skills will be incorporated throughout the UoS.

Textbooks

Therapeutic Guidelines. Therapeutic Guidelines Ltd, North Melbourne, Vic., latest editions; Australian Medicines Handbook, Rossi S (ed), 2008; Clinical Pharmacy and Therapeutics (4th edn), Walker R, Whittlesea C (eds), 2007.

PHAR5511
Elective Stream
Pharmacy

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Presented on campus as lectures, workshops and tutorials. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Pharm.

Students can choose from the Master of Herbal Medicine units of studty on offer in the Faculty of Pharmacy.

PHAR5512
Clinical Residency 2
Pharmacy

Credit points: 12 **Teacher/Coordinator:** Prof J Brien **Session:** S2 Late Int **Classes:** presented primarily as campus experiential placements. **Corequisites:** PHAR5508 and PHAR5510 **Assessment:** Refelctive diary 20%, portfolio of cases and activities, 10%, preceptor evaluation 40%, cass study or project 30%. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: M Pharm.

PHAR5512 Clinical Residency 2 is an experiential Unit of Study.

The placements will provide students with opportunities to enhance their knowledge and skill-base within clinical and professional settings.

The Residency sites may include primary and tertiary health care, general and specialist practice in rural and metropolitan areas, professional organisations and Quality Use of Medicines settings, and the pharmaceutical industry.

Two blocks are undertaken, one (two weeks) in July and one (two weeks) in November.

The July block must be undertaken in a clinical setting (either community pharmacy or hospital). This unit of study requires satisfactory completion of both blocks.

PHAR5513
Pharmaceutical Chemistry 1A
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr J Hanrahan **Session:** Semester 1 **Classes:** lectures, tutorials, self-directed learning and labs. **Assessment:** exam 60%, laboratories 25%, workshops 10%, modelling 5%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This unit will explore the physicochemical properties of drugs and how this determines the interactions of small molecules (drugs) with biological macromolecules (enzymes and receptors). All stages in the process of drug design and development will be investigated, including computational drug design, structure activity studies, synthesis and activity assays. Students will also gain experience in a variety of experimental techniques related to drug design. In addition, students will develop skills including critical thinking, the use of information technology and report writing.

Textbooks

Patrick GL. An Introduction to Medicinal Chemistry (3rd edn). Oxford University Press, 2005

PHAR5514
Pharmaceutics 2A
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr M Bebawy **Session:** Semester 1 **Classes:** lectures and tutorials. **Assessment:** Exam 50%, quizzes 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This unit of study deals with fundamental concepts in pharmacokinetics, followed by the application of these principles to clinical situations. The influence of pharmacogenetics on drug therapy is also presented.

Lecture topics on basic pharmacokinetic principles include: introduction to pharmacokinetics, design of pharmacokinetic studies, mono-exponential pharmacokinetics, drug transporters in pharmacokinetics, moment analysis, drug distribution, IV Infusion kinetics, multi-exponential pharmacokinetics, kinetics following extravascular doses, bioavailability/Bioequivalence, drug clearance mechanisms, renal clearance, hepatic clearance, metabolite kinetics, nonlinear pharmacokinetics, multiple dose kinetics, pharmacodynamics and drug transporters in pharmacokinetics.

Additional basic pharmacokinetic theory and its application to clinical situations will also be presented. Pharmacokinetic principles will be applied to drug dosage regimen design and dosage adjustment in different patient groups. Clinical pharmacokinetic aspects that will be considered include: variability in drug pharmacokinetics and pharmacodynamics, pharmacogenetics and pharmacogenomics, perturbations in pharmacokinetics and/or pharmacodynamics in disease, general principles of therapeutic drug monitoring, interpretation of pharmacokinetic information and considerations in drug interactions.

Textbooks

Recommended texts: Clinical Pharmacokinetics - Ed Roland M and Tozer TN; Lippincott, Williams & Wilkins .
Pharmacokinetics Made Easy - DJ Birkett (University of Sydney Library 615.7 366).
Applied Biopharmaceutics and Pharmacokinetics - Shargel & Yu.
Applied Pharmacokinetics and Pharmacodynamics - Burton, Shaw, Shantag, Evans.
Oxford Textbook of Clinical Pharmacology and Drug Therapy (3rd ed) - D.G Grahame, Smith and JK Aronson.
Basic Clinical Pharmacokinetics (4th ed) - Michel e Winter, Lippincott, Williams & Wilkins.

PHAR5515
Pharmaceutical Science
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr R Rohanizadeh **Session:** Semester 1 **Classes:** 2 hr lect/wk, 2 hr self-directed learning/wk, 3 hr workshop/wk **Assessment:** 2 x 1.5hr exams (70%), learning portfolio (10%), quiz (10%), workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This unit of study will provide an introduction to the concepts required for the study of Pharmacy and integrate knowledge from the various sub-disciplines within the Pharmaceutical Sciences. Topics studied include physicochemical properties underlying drug action, toxicology, drug metabolism, bioactivation and inactivation, identification of drugs and their metabolites, microorganisms in pharmacy, sterilisation, disinfection and preservation of pharmaceutical products, aseptic manufacture and cleanroom technology. These concepts will be further explored in workshop formats.

Textbooks
Florence AT & Attwood D. Physicochemical Principles of Pharmacy, Basingstoke: Palgrave, (3rd ed.), 1998; Denyer SP, Hodges NA & Gorman SP. Hugo & Russell's Pharmaceutical Microbiology, Blackwell, (7th ed.), 2004; Williams DA & T.L. Lemke TL. Foye's Principles of Medicinal Chemistry, Lippincott, Williams & Wilkins, (5th ed.), 2002; Cairns, D. Essentials of Pharmaceutical Chemistry, London: Pharmaceutical Press, (2nd ed.), 2003; Wallwork SC & Grant DJW, Physical Chemistry for students of Pharmacy and Biology, New York: Longman, (3rd ed.), 1977; Casarett and Doull's toxicology: the basic science of poisons, (6th ed.), 2001; Watson DG. Pharmaceutical Analysis, Churchill-Livingstone (2nd ed.) 2005

PHAR5516
Pharmaceutical Chemistry 1B
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr P Goh **Session:** Semester 2 **Classes:** 6 hours/week presented as lectures, self-directed learning tutorials, laboratory practicals and workshops. **Corequisites:** PHAR5513 and PHAR5515 **Assessment:** 3 hr final exam (60%); laboratories & workshops (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This unit of study utilises the knowledge gained in PHAR5513 Pharmaceutical Chemistry 1A to develop students' ability to apply basic scientific and medicinal chemistry concepts in the rationalisation of observed biological activities for a series of drug molecules. The unit of study will be presented as a series of discrete topic areas based on therapeutic classes (hormonal, cardiovascular, herbal medicines, central nervous system, chemotherapy, antihistamines, photochemotherapy and sunscreens) and macromolecular targets (enzyme, G-protein coupled receptor, nuclear receptor). Lectures will be supported by self-directed learning and tutorials. Students will also undertake quantitative structure- activity relationship (QSAR) computer-based workshops and herbal medicine practicals as well as prepare a herbal monograph. These learning activities will further develop students' skills in critical thinking, the use of information technology and report writing.

Textbooks
Foye W.O. et al. Principles of Medicinal Chemistry (5th edn) Williams & Wilkins, 2002
Patrick, G. L. An Introduction to Medicinal Chemistry (3rd edn) Oxford University Press, 2005

PHAR5517
Pharmaceutics 1B
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr D Traini **Session:** Semester 2 **Classes:** lectures and tutorials. **Corequisites:** PHAR5515 **Assessment:** Pracs 20%, mid semester exam 10%, group presentations 10%, group poster 10% and final exam 50%. **Practical field work:** Laboratory classes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

In this unit of study students learn to evaluate the physicochemical principles, design, formulation, and manufacture of pharmaceutical dose forms. The formulation of liquid dose forms including parenteral, nasal, ophthalmic and aural products is discussed. Related topics such as diffusion and dissolution of drugs, drug solubilisation, surface and interfacial tension, surface active materials, micelle formation, pharmaceutical complexes and drug-packaging interactions are covered. Other topics covered in this unit include solid dose forms and particle science, rheology; dispersion dose forms including suspensions, colloidal dispersions, and emulsions; topical dose forms and semisolids; inhalation pharmaceutical aerosols; protein and peptide drugs and formulations; rectal products; novel drug delivery technologies. Aspects pertaining to the stability of dose forms are also presented in this unit.

Textbooks
Ansel HC. et al. Pharmaceutical Dosage Forms and Drug Delivery Systems (7th edn). Lea & Febiger, 1999
Aulton ME. Pharmaceutics: The Science of Dosage Form Design (2nd edn). Churchill Livingston, 2002

PHAR5518
Pharmacy Practice A
Pharmacy

Credit points: 6 **Teacher/Coordinator:** Dr K Williams **Session:** Semester 2 **Classes:** presented as lectures, workshops and tutorials **Assessment:** tutorial contribution 40%, exams (oral and written) 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Pharm.

This unit of study (UoS) is the first of three integrated UoS (Pharmacy Practice A, Pharmacy Practice B and Pharmacy Practice C) that will be completed during the MPharm program.

The UoS will commence with an introduction to the profession of pharmacy, the Australian health care and drug distribution systems, and the National Medicines Policy, including the National Strategy for Quality Use of Medicines. Themes such as evidence based practice, pharmacoepidemiology, drug information, medication safety, ethics and communication skills will be introduced early in the UoS and will then be revisited and reinforced in the remainder of Pharmacy Practice A, as well as throughout Pharmacy Practice B and C.

During the second half of this UoS, a number of therapeutics topics will be covered in a problem-based learning format. Practice-based tutorials will be supplemented with relevant therapeutics lectures and other learning resources. Students will explore the role of the pharmacist in advising on primary and self care, performing clinical interventions, conducting medication reviews, monitoring therapeutic outcomes and participating in therapeutic decision making within these therapeutic areas.

Textbooks
Therapeutic Guidelines, Therapeutic Guidelines Ltd, North Melbourne, Vic., latest editions; Australian Medicines Handbook, Rossi S (ed), 2008; Clinical Pharmacy and Therapeutics (4th edn), Walker R, Whittlesea C (eds), 2007.

PHAR6000
Research Methods
Pharmacy

Credit points: 6 **Teacher/Coordinator:** A/Prof. Mary Collins **Session:** Semester 1 **Classes:** workshops/tutorials **Assessment:** attendance and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Phil (Pharm), Pharmacy PG Non-Degree.

To develop the skills required to undertake research at a postgraduate level. Students will undertake the unit Research Methods which includes the topics Statistics, Scientific Writing and Presentations, Database Searching and Critical Analysis. In addition, each discipline has the option to expand on these core methodologies as seen appropriate by the Head of Discipline in which the candidate is undertaking their research component.

PHIL5921
Cosmopolitan and Community
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Duncan Ivison **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

Should we think of our moral and political obligations as limited by our membership in particular communities? Should we define our conceptions of moral and political community according to particular cultural or national characteristics, or in terms of of a shared common humanity? Do we have special obligations to our compatriots or general obligations to humanity as a whole? What is the relation between universal principles and local practices, and what are the consequences for our conceptions of practical reason? We shall explore these questions, and others, through an engagement with the arguments of leading contemporary moral and political philosophers.

PHIL7450
Time Consciousness and Temporality
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Bruin Christensen **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt.

We shall examine Husserl's and Heidegger's accounts of time consciousness and temporality. In addition to exegesis of the relevant texts, we shall delve into the historical backgrounds of these theories viz., accounts of the perception of time and space in previous thinkers, such as Kant, James, Stumpf and Helmholtz.

PHIL7607
Rights and Norms
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Moira Gatens **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 4000-5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

If rights are universal and norms particular, then how should we understand the relation between them? Do social, cultural and political norms shape our understanding of rights? Should rights always be understood as universal and norms particular? This unit will explore recent work on the justification of rights as well as criticisms of them. It will also examine case studies to do with Aboriginal rights and women's rights as well as explore the link between rights, cosmopolitanism and ideas of freedom.

PHIL7826
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J McGill **Session:** Semester 1, Semester 2 **Assessment:** Research toward a Dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Research and writing toward a Dissertation on an approved topic under the supervision of an academic member of staff.

PHIL7827
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J McGill **Session:** Semester 1, Semester 2 **Assessment:** Completion and submission of a 12,000 word Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Completion and submission of a Dissertation on an approved topic, written under the supervision of an academic member of staff.

PHIL7829
Professional Ethics
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Caroline West **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Reflective journal, 2000 words (40%); essay (in-depth case study), 3000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Cert Media Prac, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip Media Prac, M A, M Litt, M Media Prac, PG Coursework Exchange.

Professionals often face difficult ethical decisions where different values conflict and they must decide what is the right thing to do. Using case studies drawn from a range of professional contexts, this unit will equip students with the major philosophical theories, concepts and analytical tools required to respond to the ethical challenges that arise in professional practice. This unit is particularly relevant to students engaged, or planning to engage, in professional practice, including medicine, business, public service, law and journalism.

PHIL7832
Themes from Cavell
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Macarthur **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert F S, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

Stanley Cavell is a philosopher who is indispensable for anyone wishing to think fruitfully about the connections between analytic and continental traditions of philosophy, or between philosophy and the arts (including film, literature, and music). In this course we shall explore Cavell's diverse body of writings by way of the theme of "reading": from his reading of Wittgenstein's Investigations to his readings of Hollywood cinema. A central concern will be to understand the nature of a perfectionist relationship to a text.

PHIL7833
Self-Knowledge
Arts

Credit points: 6 **Teacher/Coordinator:** Dr David Macarthur **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

To discover what someone else believes, hopes, intends, etc., we observe what they say and do. But to discover these same attitudes in one's own case, one need rely on no evidence at all. How is this possible? In this course we shall consider this and other issues concerning self-knowledge such as 1st-person authority, self-constitution, Moore's Paradox, and self-deception. Our larger aim will be to explore core asymmetries between one's relation to oneself and one's relation to others.

PHIL7834
Professional Ethics (Health & Medicine)
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Caroline West **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 1 x essay 1500 words (30%); online discussion (10%); 1 x research essay 3500 words (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Medical Hum, Grad Dip Arts, Grad Dip Medical Hum, M A, M Medical Hum, PG Coursework Exchange.

Health and medical professionals often face difficult ethical decisions, where different valuers conflict and they must decide what is the right thing to do. Using case studies drawn from health and medicine, this unit will equip students with the major ethical theories, concepts and analytical tools required to analyse and respond to the ethical challenges that arise in professional practice. Topics include trust, professional competence, confidentiality, conflicts of interest and social justice.

PHIL7835
Conceiving Responsibility
Arts

Credit points: 6 **Teacher/Coordinator:** Dr J McGill **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 word essay, particpation in seminar discussion, responsibility for leading (at least one) seminar discussion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

How shall we conceptualise moral responsibilities that individuals and institutions bear in relation to structural social and political problems to which they contribute by their actions, but which cannot be causally traced directly to these actions? We will investigate this question by comparing and contrasting several theories and concepts of moral and legal responsibility: philosophical theories of personal and collective responsibility, concepts of responsibility in tort and criminal law, and theories of shared, orgainsational and institutional responsibility.

PHIL7836
Kierkegaard's Fear and Trembling
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P. Diego Bubbio **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt, PG Coursework Exchange.

Kierkegaard's reflection on Abraham's sacrifice of his son Isaac presents a challenge both to ethics and religion. Is it possible that Abraham was right in killing Isaac, and that can there be a religious "suspension" of ethics? By a close reading of Kierkegaard's classic Fear and Trembling, this unit provides the student with an understanding both of the basic components of Kierkegaard's philosophy and of the issue of the relation to ethics to which he is responding.

PHTY5103
Musculoskeletal Sports Injuries A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** On campus, 4-6 hrs per week, during the day **Corequisites:** BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics **Assessment:** Research based written assignment 1500 words (40%), objective structured clinical exam 20 mins (30%), written exam 1 hr (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Sports Phty), PG Coursework Exchange.

This unit will focus on the assessment, biomechanical analysis, clinical diagnosis and management of musculoskeletal problems in the cervical spine and upper limbs. Specific emphasis is placed on sports therapy, particularly throwing and overhead injury management but in the context of total patient management. The unit aims to integrate relevant knowledge from related sciences into musculoskeletal physiotherapy practice. There is a strong emphasis on research methodology underpinning evidence based practice.

PHTY5104
Clinical Sports Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** On campus, 3 hrs per week; will require off campus commitment **Corequisites:** PHTY5103 Musculoskeletal Sports Injuries A or PHTY5124 Advanced Musculoskeletal Disorders A; and (BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics) **Assessment:** Research based written assignment 2000 words (40%), research based seminar presentation 30 mins (20%), practical exam 1 hr (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Sports Phty), PG Coursework Exchange.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, both on and off campus, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will facilitate the integration of research methodology/literature review with clinical practice.

PHTY5105
Theoretical Basis of Clinical Practice
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 2 **Classes:** Web based modules and one 2 day block session **Assessment:** Three 500-750 word written reports (60%), short answer question exam 2 hrs (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Health Sciences PG Non Award, M Hlth Sc (Cardiopul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange.

The majority of this unit will involve the study of the pathophysiological adaptations of muscle and nerve to training and disuse from both the physical and behavioural perspectives. This unit consists of five modules: pain; muscle physiology; exercise (resistance exercise); exercise (aerobic conditioning) and motor learning. Each module will build on knowledge gained in the relevant areas of the student's undergraduate physiotherapy degree by advancing their understanding and application of basic and pre-clinical sciences. This advanced understanding will then be used to examine topics related to the student's specific discipline.

PHTY5106
Musculoskeletal Sports Injuries B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** On campus, 4-6 hrs per week, during the day **Prerequisites:** BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics **Assessment:** Research based written assignment 1500 words (40%), objective structured clinical exam 20 mins (30%), written exam 1 hr (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Sports Phty), PG Coursework Exchange.

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lumbar, thoracic spine and the lower limbs. Specific emphasis is placed on sports therapy, particularly running and jumping injury management but in the context of total patient management. Current clinical evidence for the role of therapeutic exercise is a focus in all areas. There is a strong emphasis on research methodology underpinning clinical practice.

PHTY5107
Advanced Musculoskeletal Complex Cases
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 2 **Classes:** On campus, 4 hrs per week, during the day **Prerequisites:** (BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics), PHTY5124 Advanced Musculoskeletal Disorders A or PHTY5103 Musculoskeletal Sports Injuries A **Corequisites:** PHTY5126 Advanced Musculoskeletal Disorders B or PHTY5106 Musculoskeletal Sports Injuries B **Assessment:** Case study analyses, group participation and seminar presentations, panel discussion 30mins (20% x2), short answer question exam 2hrs (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: In other cases Departmental permission required for enrolment.

Associated degrees: M Hlth Sc (Manip Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), PG Coursework Exchange.

This unit will adopt a problem based learning approach to the assessment and management of complex case studies of the musculoskeletal system. There is a focus on effective clinical reasoning and decision making. Participants will explain and justify the rationale for patient investigation and management on the basis of medical and applied science and critically evaluate their own and others' management strategies.

PHTY5108
Clinical Sports Physiotherapy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 3 hours per week: some on-campus but mostly undertaken off-campus in various sports physiotherapy practices **Prerequisites:** PHTY5103 Musculoskeletal Sports Injuries A **Corequisites:** PHTY5106 Musculoskeletal Sports Injuries B or PHTY5126 Advanced Musculoskeletal Disorders B and (BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics) **Assessment:** Research based written assignment 3000 words (45%), research based seminar presentation 30 mins (15%), practical exam 1 hr (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Sports Phty), PG Coursework Exchange.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, both on and off campus, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will facilitate the integration of research methodology/literature review with clinical practice.

PHTY5109
Dissertation
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 1 **Assessment:** 5000-7000 words (100%) due Wk 14 Sem 1, Full-time students; due Wk 13 Sem 2, Part-time students **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Cardiopul Phty) Hons, M Hlth Sc (Manip Phty) Hons, M Hlth Sc (Neuro Phty)Hons, M Hlth Sc (Paed Phty)Hons, M Hlth Sc (Phty) Hons, M Hlth Sc (Sports Phty) Hons, PG Coursework Exchange.

The dissertation comprises a major written work that involves the preparation of a non-research dissertation on a specific area of interest, under supervision. This document is a substantial scholarly work (of approximately 5000-7000 words) that is an exposition of a range of knowledge in a specific area of physiotherapy (clinical) practice and is expected to include original argument substantiated by reference to acknowledged authorities. It does not involve data collection but may take the form of analysis of existing data, developing a clinical tool or developing and evaluating patient education materials. The nature and complexity of the topic is negotiated with a designated supervisor. The aim of this work is for students to integrate background material and provide cohesive, structured suggestions for physiotherapy development or practice. A designated number of hours are set aside for workshops for classes in scientific writing but the majority of the hours will be spent in consultation with the supervisor or in independent study. The dissertation document will be assessed by 2 examiners and comprises 100% of the assessment in this unit.

PHTY5111
Clinical Practice A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 1 **Classes:** Predominantly off campus clinical practice 50-60 hrs **Assessment:** Research based clinical journal (40%) and seminar presentation (60%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Phty), PG Coursework Exchange.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end, students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

Note: To undertake this unit overseas and interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents and certified translations into English will be required.

PHTY5113
Clinical Practice B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 2 **Classes:** Predominantly off campus clinical practice 50-60 hrs per week **Assessment:** Research based clinical journal (40%) and seminar presentation (60%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Phty), PG Coursework Exchange.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

Note: To undertake this unit overseas and interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents and certified translations into English will be required.

PHTY5114
Optimising Motor Performance A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 1 **Classes:** Flexible delivery modes **Assumed knowledge:** 2 years neurology clinical experience **Assessment:** Written exam (50%), seminar presentation (class) (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Neuro Phty), PG Coursework Exchange.

This unit consists of two modules. The first module examines the impairments associated with neurological lesions and the resultant adaptations of both motor and psychological behaviour. The second module examines disability and handicap associated with neurological lesions and provides a forum for students to examine the process of rehabilitation, the environment in which it takes place and factors which may influence outcome.

PHTY5115
Clinical Neurological Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 1 **Classes:** Flexible delivery modes **Assumed knowledge:** 2 years neurology clinical experience **Assessment:** Assignment 1 (30%), assignment 2 (30%), take-home exam (40%) **Practical field work:** Clinical hours as determined by student and co-ordinator **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Neuro Phty), PG Coursework Exchange.

This unit is designed to enable students to explore in some depth aspects of clinical practice to increase their knowledge of available clinical and scientific resources and to expand their awareness and experience in areas of practice with which they are unfamiliar. Clinical placement will depend upon identified needs of the students and the availability of clinical placements. Students will also have an opportunity to apply knowledge gained in Physiotherapy Management of Impairment, Disability and Handicap to clinical practice. The subject involves both academic and clinical hours. The clinical hours may be undertaken at the student's convenience.

PHTY5116
Optimising Motor Performance B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 2 **Classes:** Flexible delivery modes **Assumed knowledge:** 2 years of clinical experience in physiotherapy **Assessment:** Written assignment (50%), viva exam 15 mins (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Neuro Phty), M Hlth Sc (Phty), PG Coursework Exchange.

In this unit, students examine normal motor behaviour in order to develop skill in analysing motor performance, planning and implementing motor training and preventing disabling adaptive

processes. In addition, there will be a module examining the historical development of physiotherapy.

PHTY5118
Clinical Neurological Physiotherapy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 2 **Classes:** On campus, 4 hrs per week, late afternoon and evening **Assumed knowledge:** 2 years neurology clinical experience **Assessment:** Training videotape (50%), written report of a case study (50%) **Practical field work:** Yes **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: M Hlth Sc (Neuro Phty), PG Coursework Exchange.

This unit provides students with the opportunity to apply knowledge gained in PHTY5116 Optimising Motor Performance within a clinical environment without the pressure of the usual work place. Students will also prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The clinical hours may be undertaken at the student's convenience.

PHTY5119
Topics in Cardiopulmonary Physiotherapy
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jenny Alison **Session:** Semester 1 **Classes:** Off campus **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Cardiopul Phty), PG Coursework Exchange.

The students will study a compulsory module of anatomy and biomechanics prior to researching a topic of current interest to physiotherapists in the cardiopulmonary area such as intensive care, pulmonary rehabilitation, cardiac rehabilitation, sleep disordered breathing. Topics covered will depend on available expertise for supervision.

PHTY5120
Clinical Cardiopulmonary Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Bredge McCarren **Session:** Semester 1 **Classes:** Clinical placement **Assessment:** Case presentation and written report on a clinical investigation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Cardiopul Phty), PG Coursework Exchange.

This unit will provide the equivalent of 2 weeks (approx 60 hours) access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.

PHTY5121
Cardiopulmonary Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 1 **Classes:** Directed independent learning package with one-day workshop **Corequisites:** PHTY5190 Evidence-Based Decision Making **Assessment:** Five worksheets, three research based written assignments (2000 words each) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Cardiopul Phty), M Hlth Sc (Phty), PG Coursework Exchange.

This unit will focus on cardiopulmonary interventions and their application to clinical practice. The physiological basis of each intervention will be investigated. Students will be expected to review current literature and draw conclusions regarding the appropriateness of each technique for particular clinical scenarios.

PHTY5123
Clinical Cardiopulmonary Physiotherapy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Bredge McCarren **Session:** Semester 2 **Classes:** Off campus clinical placement **Assessment:** Case presentation and written report on a clinical investigation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Cardiopul Phty), PG Coursework Exchange.

This unit will provide the equivalent of 2 weeks (approx 60 hours) access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.

PHTY5124
Advanced Musculoskeletal Disorders A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Boland **Session:** Semester 1 **Classes:** On campus, 4-6 hrs per week during day **Corequisites:** BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics **Assessment:** Essay 1500 words (40%), objective structured clinical exam 2hrs (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Manip Phty), PG Coursework Exchange.

This unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical and upper thoracic spines, and upper limbs. Specific emphasis is placed on manipulative physiotherapy but in the context of total patient management applied with emphasis on integrating research findings so as to achieve evidence based practice. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

PHTY5125
Clinical Manipulative Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Boland **Session:** Semester 1 **Classes:** 10-12 hrs off campus per week **Corequisites:** (BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics), PHTY5124 Advanced Musculoskeletal Disorders A **Assessment:** Clinical exam short case x2 (15% and 35%), clinical exam long case (includes viva) (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Manip Phty), PG Coursework Exchange.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct evidence based practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical and upper thoracic spines and upper limbs. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between the therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. This will include some on-campus hours but will require considerable off campus commitment.

PHTY5126
Advanced Musculoskeletal Disorders B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Boland **Session:** Semester 2 **Classes:** On campus, 4-6 hrs per week, during the day **Prerequisites:** BIOS5089 Advanced Musculoskeletal Anatomy or PHTY5101 Advanced Anatomy and Biomechanics **Assessment:** 1500 word essay (40%), objective structured clinical exam 2hrs (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Hlth Sc (Manip Phty), PG Coursework Exchange.

The unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lower thoracic and lumbar spines and lower limbs. Specific emphasis is placed on manipulative physiotherapy but in the context of total patient management applied with emphasis on integrating research findings so as to achieve evidence based practice. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

PHTY5128
Clinical Manipulative Physiotherapy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rob Boland **Session:** Semester 2 **Classes:** 10-12 hrs off campus per week **Prerequisites:** (BIOS5089 Advanced Musculoskeletal, Anatomy or PHTY5101 Advanced Anatomy and Biomechanics), PHTY5124 Advanced Musculoskeletal Disorders A, PHTY5125 Clinical Manipulative Physiotherapy A **Corequisites:** PHTY5107 Advanced Musculoskeletal Complex Cases, PHTY5126 Advanced Musculoskeletal Disorders B **Assessment:** Clinical exam short case x2 (15% and 35%), clinical exam long case (includes viva) (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Hlth Sc (Manip Phty), PG Coursework Exchange.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct evidence based practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lower thoracic and lumbar spines and lower limbs. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. This unit will have some on-campus hours but will require considerable off campus commitment.

PHTY5129
Topics in Paediatric Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 1 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** Seminar presentation 45mins (40%), 2000-4000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Paed Phty), PG Coursework Exchange.

This unit covers topics of current interest to paediatric physiotherapists in the area of neurological impairment, cardiorespiratory and musculoskeletal issues. The student will choose one of these areas to study and will be required to analyse information presented in the form of a clinical scenario, identify their learning needs and explore the pathophysiology and management of the problem through a process of supported self directed learning. Furthermore, the student will be required to identify clinical implications for physiotherapy intervention based on current research findings, justify their selection of intervention on the basis of best evidence available and identify the most appropriate means to evaluate the effectiveness of the intervention.

PHTY5130
Clinical Paediatric Physiotherapy A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 1 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** Research based seminar presentation 45 minutes (50%), 3000-4000 word written report (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Paed Phty), PG Coursework Exchange.

This unit of study is designed to provide the student with an understanding of paediatric physiotherapy within a clinical setting. The student will be required to derive inferences from scientific research and develop applications to the clinical setting. In addition they will need to apply problem-solving skills to the effective management and evaluation of physiotherapy intervention. The student will be given the opportunity to decide on their individual preference of clinical setting and will conduct their placement through a learning contract supported self-directed learning.

PHTY5131
Concepts in Paediatric Physiotherapy
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** Research based seminar presentation-individual, 20 mins (30%), 2000 word written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Paed Phty), M Hlth Sc (Phty), PG Coursework Exchange.

This unit of study is intended to give students an understanding of current issues relating to children with particular reference to paediatric physiotherapy. Students will examine historical frameworks of paediatric physiotherapy and how these frameworks have influenced clinical practice.

PHTY5132
Topics in Paediatric Physiotherapy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** Independent learning package **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** In accordance with selected unit **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Paed Phty), PG Coursework Exchange.

This unit is designed to allow the student the opportunity to select their own area of study related to paediatric physiotherapy. With approval from the course academic advisor and unit of study coordinator, the student may select a unit of study from within the Faculty or through another university.

PHTY5133
Clinical Paediatric Physiotherapy B
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** Independent learning package **Prerequisites:** PHTY5129 Topics in Paediatric Physiotherapy A **Assumed knowledge:** 2 years paediatric physiotherapy clinical experience **Assessment:** Research based seminar presentation (50%), written report of a case study (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Hlth Sc (Paed Phty), PG Coursework Exchange.

This unit provides the students with the opportunity to apply knowledge gained in PHTY5129 Topics in Paediatric Physiotherapy A within a clinical environment. Students will prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The academic hours will be negotiated with the unit coordinator with the clinical hours undertaken at the student's convenience.

PHTY5134
Therapy in Disorders of the Hand
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 2 **Classes:** Two intensive on-campus teaching blocks of 2-4 days plus some off-campus distance mode. **Assumed knowledge:** Graduate experience in hand therapy as a qualified Physiotherapist or Occupational Therapist. **Assessment:** Research based seminar presentation (35%), participation and written assignment (55%) essay, group participation (10%) and mastery of practical skills **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Phty), PG Coursework Exchange.

This unit of study provides the student with the opportunity to improve their knowledge and skills in the area of common hand pathologies including fractures and dislocations, arthritis wrist, tendon and nerve

injuries. Assessment and treatment strategies used specifically for hand injuries and conditions will be addressed including impairment, sensibility and disability testing, splinting, and exercise. Practical clinical skills in hand therapy will be also be covered, further development of which will occur in the clinical practice units of study.

PHTY5144
Clinical Education M1A
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Ms Sharon Faulkner. **Session:** Semester 2 **Classes:** 148 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY5139 Electrophysical Agents M **Corequisites:** PHTY5141 Cardiopulmonary Physiotherapy MI PHTY5165 Musculoskeletal Physiotherapy IA PHTY5166 Musculoskeletal Physiotherapy IB **Assessment:** Continuous assessment. **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: M Phty, PG Coursework Exchange.

The aim of this unit is to provide an opportunity for the student to develop a broad understanding of the provision of physiotherapy services in hospital or community-based healthcare settings. The development of communication skills is an integral part of this unit. In addition, the emphasis of the unit is on safety in patient handling, aspects of examination, the analysis of information gained from the examination and the implementation of a treatment program. Students will also be responsible for individual and group training programs such as strength and fitness programs.

PHTY5145
Clinical Education M1B
Health Sciences

Credit points: 7 **Teacher/Coordinator:** Ms Angela Stark. **Session:** Semester 2 **Classes:** 185 hours presented off-campus at various clinical sites. **Prerequisites:** PHTY5139 Electrophysical Agents M **Corequisites:** PHTY5141 Cardiopulmonary Physiotherapy MI, PHTY5165 Musculoskeletal Physiotherapy IA, PHTY5166 Musculoskeletal Physiotherapy IB, PHTY5144 Clinical Education M1A **Assessment:** Continuous assessment. **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: M Phty, PG Coursework Exchange.

This unit of study will involve clinical placement in general wards so that the student can gain experience in orthopaedics. Students will build on experience gained in Clinical Education M1A and they will be expected to demonstrate an increased ability in the management of patients (assessment, treatment and evaluation). In addition, professional practices will be emphasised. Students will also be responsible for individual and group training programs such as strength and fitness programs.

PHTY5155
Clinical Manipulative Physiotherapy C
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Rob Boland **Session:** Semester 1 **Classes:** Professional practice mainly off campus **Assumed knowledge:** This unit is only available to students who have completed all requirements for the MHlthSc (Sports Physiotherapy) **Assessment:** Assessment will be clinical and practical examinations and seminar presentation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: M Hlth Sc (Sp Phty), M Hlth Sc (Manip Phty), PG Coursework Exchange.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. Students will also complete a module on manipulation of the cervical and cervicothoracic spines. This will include the theoretical bases as well as the practical skills required.

PHTY5156
Clinical Manipulative Physiotherapy D
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Rob Boland **Session:** Semester 2 **Classes:** Professional practice mainly off campus **Corequisites:** PHTY5155 Clinical Manipulative Physiotherapy C **Assumed knowledge:** This unit of study is available only to students who have completed all requirements for the MHlthSc (Sports Physiotherapy) **Assessment:** Assessment will be by clinical and practical examinations and seminar presentation **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: M Hlth Sc (Sp Phty), M Hlth Sc (Manip Phty), PG Coursework Exchange.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic and spinal or peripheral problems and younger versus older patients. Skills and knowledge gained within the other subjects will also be applied during clinical education. Students will also complete a module on manipulation of the lumbar spine. This will include the theoretical bases as well as the practical skills required.

PHTY5157
Clinical Sports Physiotherapy C
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 1 **Classes:** 3 hours per week: on campus classes and on and off campus clinical hours **Assumed knowledge:** This unit of study is available only to students who have completed all requirements for the MHlthSc (Manipulative Physiotherapy) **Assessment:** Research based written assignment 1000 words (20%), research based seminar presentation 30 mins (20%), research based written assignment 1500 words (15%), written exam 1 hr (15%), practical exam x 2 (1 hr) (30%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: M Hlth Sc (Sp Phty), M Hlth Sc (Manip Phty), PG Coursework Exchange.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills with new approaches to the management of the person with a sports injury. The focus of this unit is on musculoskeletal disorders sustained in sporting contexts. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. Students will be required to complete clinical hours equivalent to three half days per week. In addition there will be an academic component, which will involve on-campus attendance at classes.

PHTY5158
Clinical Sports Physiotherapy D
Health Sciences

Credit points: 12 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 3 hours per week: on campus classes plus off campus clinical work **Assumed knowledge:** This unit of study is available only to students who have completed all requirements for the MHlthSc (Manipulative Physiotherapy) **Assessment:** Research based seminar presentation x 2 (30 mins) (25%), research based written assessment 4000 words (50%), practical exam 1 hr (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

Note: Department permission required for enrolment.

Associated degrees: M Hlth Sc (Sp Phty), M Hlth Sc (Manip Phty), PG Coursework Exchange.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course and their previous clinical knowledge and skills with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will have on-campus hours and will require considerable off campus commitment. Students will also complete a module which will require further investigation of selected clinical presentations.

PHTY5163
Physiotherapy in Pulmonary Rehab
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jenny Alison **Session:** Semester 2 **Classes:** Off campus, web-based **Assessment:** Two assignments (25% each), written examination (50%) **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Cardiopul Phty), PG Coursework Exchange.

This unit of study examines the management of patients referred for pulmonary rehabilitation. Topics covered will be assessment of respiratory function, assessment of exercise capacity, the acute physiological responses exercise, exercise prescription for both endurance and strength training; physiological responses to exercise training; measurement of quality of life; use of outcome measures in re-evaluation. In addition issues of smoking cessation and patient education will be addressed. Students will be required to evaluate research literature for evidence to support the implementation of components of pulmonary rehabilitation.

PHTY5169
Physiotherapy Management in Acute Care
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 2 **Classes:** Distance education **Assessment:** Workbook, two assignments **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: M Hlth Sc (Cardiopul Phty), PG Coursework Exchange.

This unit of study examines the management of patients in the acute care environment. Topics covered will be analysis of complex arterial gases, interpretation of the CXR and findings from invasive cardiovascular monitoring equipment in ICU, pharmacology in acute care, modes of ventilatory support and the effects on pattern of ventilation and mechanics of breathing (including non-invasive ventilation), critical illness neuropathy and myopathy, weaning from ventilatory support and exercise in the acute care environment. Students will be required to evaluate research literature for evidence to support the use of physiotherapy treatment techniques in the acute care environment.

PHTY5170
Cardiopulmonary Physiotherapy I
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Bredge McCarren **Session:** Semester 1 **Classes:** 1 hr lecture & 2 hrs tutorial per week **Corequisites:** BIOS5073 Functional Musculoskeletal Anatomy, BIOS5055 Neurosciences for Physiotherapists **Assessment:** Mid semester practical assessment (20%), end of semester written exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic respiratory dysfunction. In particular, students will evaluate pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective inflammatory and restrictive conditions; and airflow limitation on pulmonary function. Additionally, students will develop treatment strategies to effectively manage respiratory problems. The unit will provide students with an opportunity to apply, integrate and extend knowledge at a postgraduate level based on their previous degree.

PHTY5171
Musculoskeletal Physiotherapy I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Peter Colagiuri **Session:** Semester 1 **Classes:** 2 hr lecture, 4 hrs tutorials per week **Corequisites:** BIOS5073 Functional Musculoskeletal Anatomy, BIOS5055 Neurosciences for Physiotherapists **Assessment:** Mid semester practical assessment, end of semester practical assessment, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

The overall aim of this unit of study is to develop the skills required to assess, diagnose and manage simple musculoskeletal disorders of the lower extremity across the lifespan at the level of a student commencing musculoskeletal clinical practicums. This unit will integrate knowledge from assumed foundation science. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence based practice and safety. This unit of study complements Musculoskeletal Physiotherapy II and lays the foundation for Musculoskeletal Physiotherapy III and Musculoskeletal Physiotherapy IV which will further develop skills in the management of disorders of the spine, lower extremity and more complex musculoskeletal conditions.

PHTY5172
Musculoskeletal Physiotherapy II
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Joanne Munn/Ms Karyn Whelan **Session:** Semester 1 **Classes:** 4.5 hrs per week **Corequisites:** BIOS5073 Functional Musculoskeletal Anatomy, BIOS5055 Neurosciences for Physiotherapists **Assessment:** Mid semester practical assessment, end of semester practical exam, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

This unit introduces students to the physiotherapy assessment and management of spinal pain and disability with the focus being on primary care management. Students learn to 'triage' patients with spinal pain, a system that allows them to distinguish patients with non-specific spinal pain from those suspected of having underlying disease/pathology. The musculoskeletal anatomy of the thoracolumbar spine, pelvis and hip, first introduced in BIOS5073 Functional Musculoskeletal Anatomy, will be extended and applied to clinical practice in this unit. The unit covers the basic epidemiology of spinal pain (risk factors, clinical course, prognostic factors) and the assessment of treatment outcome. The evidence base for management options is explored and students learn to apply a range of treatments such as advice, manual therapy, exercise, McKenzie therapy, etc. Additionally, students are introduced to principles of surgical and pharmacological management of spinal pain. Psychosocial issues in the assessment and management of back pain are explored. This unit aims to teach students to integrate a variety of approaches into management of spinal pain.

PHTY5173
Scientific Practice I
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Julia Hush **Session:** Semester 2 **Classes:** Wks 1-6: 2 hrs lecture per week; wks 4-7: 2 hrs tutorials per week **Assumed knowledge:** Background research methods equivalent to Designing Health Research and Analyzing Quantitative/Qualitative Health **Assessment:** Mid semester report, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

In this unit of study students will learn how research evidence can guide clinical practice. Complex issues related to implementing evidence based practice are explored. Students will learn to critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists. By the completion of this unit of study participants will be able to find and critically appraise research

into the diagnosis, prognosis and treatment of conditions seen by physiotherapists and tailor this information to individual patients.

Textbooks

Herbert R D, Jamtvedt G, Mead J, Hagen K B, Practical Evidence-based Physiotherapy, Oxford, Elsevier (2005)

PHTY5174
Professional Practice I
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Vicki Williams **Session:** Semester 2 **Classes:** 1 hr lecture, 2 hrs tutorials each week **Assessment:** Mid semester oral presentation, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

Students will be introduced to broad and specific issues and practices in health care delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment. Students will explore the NSW Physiotherapists Registration Board Policy on Professional Conduct and learn to apply this policy in ethical and clinical decision-making. The importance of communication and respect for cultural differences in professional conduct will be addressed. Communication will build on the principles and processes of professional documentation learnt by students in their previous undergraduate degree. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are explored in both lecture and tutorial format.

PHTY5175
Cardiopulmonary Physiotherapy II
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 2 **Classes:** Wks 1-6: 2x1 hr lectures, 2x2 hr tutorials per week; wks 8-13: 1x1 hr lecture, 1x2 hr tutorials per week **Prerequisites:** PHTY5170 Cardiopulmonary Physiotherapy I **Assessment:** Mid semester seminar presentation, written assignment, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

The aim of this unit is to continue to develop knowledge and skills in the assessment and treatment of patients across the age spectrum with acute and chronic pulmonary dysfunction. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic cardiac dysfunction. This unit will build on student's knowledge of exercise gained through their previous degree, and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise, and to other special populations. In addition students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective management of intubated and non intubated patients.

PHTY5176
Neurological Physiotherapy I
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Angela Stark **Session:** Semester 1 **Classes:** Wks 1-6: 2 hrs lecture & 4 hrs tutorials per week; wks 7, 9-13: 1 hr lecture & 2 hrs tutorials per week **Corequisites:** BIOS5073 Functional Musculoskeletal Anatomy, BIOS5055 Neurosciences for Physiotherapists **Assessment:** Mid semester practical assessment, end of semester practical assessment, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

Neurological physiotherapy aims to develop in students an ability to apply relevant theoretical and databased scientific findings to clinical practice in the area of disease and trauma to the nervous system. This unit examines the pathology, impairments (weakness, loss of dexterity, loss of sensation, ataxia and spasticity as well as adaptations such as contracture), activity limitations (difficulty standing up, sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed) and participation restrictions arising from conditions of acute onset (stroke, traumatic brain injury, cerebral palsy and Guillain-Barre Syndrome). Students will learn to assess, train and measure outcome of everyday activities integrated within the rehabilitation team.

PHTY5177
Neurological Physiotherapy II
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Colleen Canning **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** PHTY5176 Neurological Physiotherapy I **Assessment:** End of semester practical assessment, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

This unit consists of two modules. The first module examines the pathology, impairments (spasm, overactive cutaneous reflexes, skin breakdown as well as adaptations such as contracture and loss of fitness), activity limitations (mobility via aided gait or wheelchair, hand function using a tenodesis grasp) and participation restrictions arising from conditions of acute onset which do not recover and require adaptation (spinal cord injury and spina bifida). Students will learn to assess, train and measure outcome of everyday activities for these populations. The second module examines the pathology, impairments (bradykinesia, dyskinesia, rigidity, tremor, fatigue as well as adaptations to these impairments such as the development of contracture and loss of fitness), activity limitations (rolling over, sitting, mobility, transferring and reaching and manipulating objects) and participation restrictions arising from degenerative conditions which require adaptation (Parkinsonism, multiple sclerosis, motor neuron disease). Students will learn to assess and train or prescribe appropriate aids to enable activities to be carried out.

PHTY5178
Musculoskeletal Physiotherapy III
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Bronwen Ackermann/Dr Joanne Munn **Session:** Semester 2 **Classes:** 6 hrs per week **Prerequisites:** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II **Assessment:** Mid semester practical assessment, end of semester practical assessment, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

The overall aim of this unit is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions, including rheumatoid arthritis, with a focus on the upper extremity. The unit will cover selected musculoskeletal conditions of the upper extremity across the lifespan, including fractures, surgery and soft tissue injury and include a module on rheumatology. Students will develop their existing ability to select and implement physiotherapy interventions based on principles of clinical reasoning, evidence based practice and safety for the management of such conditions. Interventions will include exercise prescription, manual therapy, selected electrophysical agents and advice. This unit of study integrates knowledge from Musculoskeletal Physiotherapy I and Musculoskeletal Physiotherapy II and will complement Musculoskeletal Physiotherapy IV.

PHTY5179
Musculoskeletal Physiotherapy IV
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 2 **Classes:** 1.5 hrs lecture & 3 hrs tutorials per teaching week **Prerequisites:** PHTY5171 Musculoskeletal Physiotherapy I, PHTY5172 Musculoskeletal Physiotherapy II **Assessment:** Mid semester practical assessment, end of semester practical assessment, end of semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty, PG Coursework Exchange.

This module aims to provide a detailed approach to history taking and performance of the physical exam for a patient with neck pain or thoracic spine pain. With the integration of communication and listening

skills, application of sound physical testing procedures and clinical reasoning, the aim is to enable students to be able to diagnose/triage and manage neck pain or thoracic spine pain patients presenting to primary care with a complex presentation. Students will learn how to assess, manage and monitor cervical and thoracic spine conditions using evidence-based practice (EBP) strategies and to understand how to differentiate symptoms arising from different regions, e.g. shoulder vs cervical spine, cholecystitis vs thoracic pain; and monitor the outcome of treatment. This unit also includes a module on chronic pain. This unit of study builds upon information provided in Musculoskeletal Physiotherapy I and II.

PHTY5180
Physiotherapy Practicum I
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Dean **Session:** Semester 1 **Classes:** Off campus **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Phty.

This unit of study involves clinical placements in one of the three following areas: rehabilitation, acute care, ambulatory/outpatients. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum I, II and III are all five-week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition one of the placements may be in a rural or regional setting.

PHTY5181
Physiotherapy Practicum II
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Dean **Session:** Semester 1 **Classes:** Off-campus setting 37 hours per week at clinical facilities **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Phty.

This unit of study involves clinical placements in one of the three following areas: rehabilitation, acute care, ambulatory/outpatients. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum I, II and III are all five-week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition one of the placements may be in a rural or regional setting.

PHTY5182
Physiotherapy Practicum III
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Dean **Session:** Semester 1 **Classes:** Off campus setting 37 hours per week at clinical facilities. **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Phty.

This unit of study involves clinical placements in one of the three following areas: rehabilitation, acute care, ambulatory/outpatients. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum I, II and III are all five-week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition one of the placements may be in a rural or regional setting.

PHTY5183
Advanced Physiotherapy
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Debra Shirley/Dr Lyndal Maxwell/Dr Louise Ada **Session:** Semester 2 **Classes:** 8 hours per week for 5 weeks. **Prerequisites:** PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV, PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II **Assessment:** End of unit practical assessment, end of unit written assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty.

This unit consists of three modules: musculoskeletal, cardiopulmonary and neurological physiotherapy. The musculoskeletal module will focus on the development of advanced skills in assessment and management of the musculoskeletal system, in particular, spinal manipulation. Medico legal report writing will also be covered. The cardiopulmonary module will examine a range of complex clinical issues organised on a case-basis including multi-system dysfunction (physiological, psychological and social) across the age spectrum. The neurological module will examine the history of neurological rehabilitation, acute neuromedical and neurosurgical interventions and the management of some less common neurological conditions.

PHTY5184
Paediatric Physiotherapy
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** 4 hrs per week **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Mid unit seminar (30%), end of unit written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty.

The aim of this unit of study is to give the students the opportunity to consolidate their understanding of the musculoskeletal, cardiopulmonary and neurological systems and be able to apply this knowledge to paediatric physiotherapy. Students will be made aware of the changes which occur from infancy through to adulthood in motor, musculoskeletal and cardiopulmonary development. In addition, students will address issues related to assessment and training strategies in children with dysfunction in motor, musculoskeletal and cardiopulmonary systems. Content in this unit of study will be presented in an integrated format utilising the principles of clinical reasoning and problem solving. Some relevant resource material will be made available to the students in web-based, CD ROM and hard copy format but students will also be required to research topics independently in areas not previously encountered in their program.

PHTY5185
Physiotherapy for Older Persons
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Ms Nia Luxton **Session:** Semester 2 **Classes:** 3 hrs per week plus structured independent learning activities **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV. **Assessment:** Oral presentation (seminar), written assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty.

This unit of study is designed to enable students to examine the physiological, psychological and social changes associated with healthy aging and the more common impairments, activity limitations

and participation restrictions that arise in an older population. Integration of material from core areas of musculoskeletal, neurological and cardiopulmonary physiotherapy will be required in order to plan management and modify physiotherapy intervention for older persons. The role of the physiotherapist in a variety of environments and in conjunction with other health care resources will be discussed. Content in this unit of study will be presented in an integrated format, utilising the principles of problem-based learning. Some relevant resource material will be made available to the students in web-based, CD ROM and hard copy format but students will also be required to research topics independently in areas not previously encountered in their program.

PHTY5186
Physiotherapy in Selected Populations
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Zoe McKeough (Community Physiotherapy). Module Coordinators: Dr Martin Mackey (Occupational Physiotherapy), Dr Leslie Nicholson (Sports Physiotherapy) **Session:** Semester 2 **Classes:** 4 hrs per week **Prerequisites:** PHTY5175 Cardiopulmonary Physiotherapy II, PHTY5177 Neurological Physiotherapy II, PHTY5178 Musculoskeletal Physiotherapy III, PHTY5179 Musculoskeletal Physiotherapy IV **Assessment:** Mid unit seminar (40%), end of unit written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty.

The unit comprises 3 integrated modules: occupational physiotherapy, sports physiotherapy and community physiotherapy. In the occupational physiotherapy unit, students will focus on a risk management approach to work injury prevention and occupational rehabilitation. Specific injury assessment and management strategies such as functional capacity evaluations and functional restoration programs will also be addressed. In the sports physiotherapy module, students will assess sports related injury and design programs to prevent and manage complex injuries sustained during sporting and recreational activities. In the community physiotherapy module, students will address the contribution of physiotherapy to the management of particular groups who receive health care in the community.

PHTY5187
Scientific Practice II
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Dr Roger Adams **Session:** Semester 2 **Classes:** 2 hrs per week **Prerequisites:** PHTY5180 Physiotherapy Practicum I, PHTY5181 Physiotherapy Practicum II, PHTY5182 Physiotherapy Practicum III. **Assessment:** Report, written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Phty.

This unit of study assists students to evaluate the suitability of assumptions made in physiotherapy research, to evaluate the appropriateness of design strategies and sampling procedures. The module will build on previous knowledge of research methods and develop skills in applying this to research models for physiotherapists. In this subject, students will be required to generate, enter, analyse and interpret data. The module covers statistical procedures commonly used in physiotherapy research, with training in software packages. By the completion of this unit of study, participants will understand research designs relevant to physiotherapy practice, how to enter, enter, analyse and interpret data and how to use a variety of statistical packages. Students also practice using search engines to review and present the current knowledge in a relevant research area.

PHTY5188
Professional Practice II
Health Sciences

Credit points: 4 **Teacher/Coordinator:** Mr Peter Colagiuri **Session:** Semester 1 **Classes:** Block mode of 2 x 15 hours **Assessment:** Written assignment, oral presentation (seminar) **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Phty.

This unit of study will provide a forum for guided discussion on aspects important to physiotherapy practice management. Areas to be discussed include human resource management, financial systems analysis, marketing and advertising, conflict resolution, business ethics and legal responsibilities of the physiotherapy practitioner. The unit will involve a series of lectures from recognized experts in the field, together with open interviews and discussions with successful physiotherapy practitioners both from private and public settings.

PHTY5189
Physiotherapy Practicum IV
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Dean **Session:** Semester 2 **Classes:** Off-campus 37 hours per week at clinical facilities. **Prerequisites:** PHTY5180 Physiotherapy Practicum I, PHTY5181 Physiotherapy Practicum II, PHTY5182 Physiotherapy Practicum III **Corequisites:** PHTY5183 Advanced Physiotherapy, PHTY5184 Paediatric Physiotherapy, PHTY5185 Physiotherapy for Older Persons, PHTY5186 Physiotherapy in Selected Populations **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: M Phty.

This unit of study involves clinical placement in community health. This may include paediatrics, geriatrics, occupational health, sports practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition students will be responsible for individual and group training sessions such as strength and fitness sessions. Physiotherapy Practicum IV is a five week placement which requires full-time attendance (37 hours per week) at clinical facilities. In addition, this placement may be in a rural or regional setting. Some students may also complete this practicum in an international setting.

PHTY5190
Evidence-Based Decision Making
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Cathie Sherrington **Session:** Semester 1 **Classes:** 7 self-directed learning modules with email or online support; 1-day optional workshop **Assessment:** 1 x written report (60%) and 1 x take-home exam (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Hlth Sci, H Sc D, M Hlth Sc (Cardiopul Phty), M Hlth Sc (Manip Phty), M Hlth Sc (Neuro Phty), M Hlth Sc (Paed Phty), M Hlth Sc (Phty), M Hlth Sc (Sports Phty), M Hlth Sci.

The unit will provide the opportunity for students to practise critical evaluation of clinical research pertinent to health professionals. There will be modules on critical appraisal of studies of the effects of therapy, experiences of therapy, prognosis, accuracy of diagnostic tests and cost-effectiveness. An additional module explores how these sorts of information can be combined in formal clinical decision analyses.

Textbooks
Herbert RD, Jamtvedt G, Mead J, Hagen KB (2005) Practical Evidence-Based Physiotherapy. Oxford: Elsevier

PHYS5001
Radiation Physics
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Prohibitions:** PHYS5012 **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is for students who commenced in the Medical Physics program prior to 2008

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the production of ionising radiation and its fundamental interactions with matter and related factors are covered.

PHYS5002
Anatomy and Physiology

Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the concepts of the structure of the human cell and tissues are introduced. The organisation and function of each of the major organ systems that constitute the human body are covered. Examples of pathology of diseases commonly encountered in the practice of medical physics will be included. Basic concepts in physiological modeling are introduced.

PHYS5003
Instrumentation
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the principles underlying the fundamental operation of instrumentation used in medicine are covered. Examples will include pressure and volume measurements in respiratory medicine, and electric potential measurements in cardiology.

PHYS5004
Radiation Dosimetry
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Prohibitions:** PHYS5012 **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is for students who commenced the Medical Physics program prior to 2008

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the principles of both absolute and relative measurement of ionising radiation in radiotherapy and medical imaging are covered. Issues related to the dosimetry of non-ionising radiation are also covered.

PHYS5005
Radiotherapy Physics
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, both theoretical and practical aspects of the major topics in radiotherapy physics are covered. These topics include radiation beam production and modification, calibration and characterisation, principles of treatment planning, dose calculation and reporting, and the physics of brachytherapy.

PHYS5006
Medical Imaging Physics
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the physical principles underlying the science of imaging in radiology, ultrasound, magnetic resonance imaging and nuclear medicine are covered.

PHYS5007
Image Processing
Science

Credit points: 3 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week for half the semester. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is for students who commenced the Medical Physics program prior to 2008.

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the theory of image formation, concepts of computing, numerical methods and image processing are covered, including techniques such as enhancement, registration, fusion and 3D reconstruction.

PHYS5008
Radiation Biology and Health Physics
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is for students who commenced the Medical Physics program prior to 2008.

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the biological effects due to the interaction of radiation with human tissues from the DNA level through to the major organ systems are covered. Factors affecting dose response of tissue are considered along with models describing characteristic behaviour.

PHYS5009
Research Methodology
Science

Credit points: 3 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week for half the semester. **Prohibitions:** PHYS5019 **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is for students who commenced the Medical Physics degree prior to 2008.

Associated degrees: Grad Dip Med Phys, M Med Phys.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, an understanding of the processes involved in conducting various forms of research, basic data analysis and interpretation, research writing and presentation skills are covered. The professional framework is presented by considering issues such as legal, ethical and basic management issues.

PHYS5010
Project
Science

Credit points: 24 **Session:** Semester 1, Semester 2 **Prohibitions:** PHYS5019 **Assessment:** report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is only available for students in the Master of Medical Physics degree who commenced prior to 2008.

Associated degrees: M Med Phys.

This unit is a research project to be carried out in a hospital or similar environment. The topic of the project will be determined in consultation with the course coordinator.

PHYS5011
Nuclear Science

Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Medical Physics degree or the Graduate Diploma in Medical Physics or the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. Nuclear properties, natural radioactivity, radioactive decay series, artificial radioactivity, nuclear models, nuclear decays (gamma, beta, alpha decays and heavy ion decay), nuclear reactions (including high energy nuclear particle induced spallation reactions), nuclear fission (spontaneous and induced fission) and nuclear fusion are covered.

PHYS5012
Radiation Physics and Dosimetry
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Prohibitions:** PHYS5001 **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Medical Physics degree or the Graduate Diploma in Medical Physics or the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. Sources of radiation, interaction of radiation with matter, physical, chemical, and biological effects of radiation in human tissue, physical principles of dosimetry, internal and external dosimetry, radiation units and measurement, Monte Carlo modeling of radiation transport are covered.

PHYS5013
Nuclear Instrumentation
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. It covers principles and operation of nuclear particle detectors, gas filled detectors (ionisation chambers, Geiger counter, proportional counter), scintillation detectors (organic and inorganic scintillators), solid state detectors (Surface barrier detectors, GeLi detectors, Pin diodes), nuclear track detectors, neutron detectors (BF3 detectors, He-3 detectors, He-4 detectors), nuclear data acquisition methods and data analysis (counting statistics and error prediction), as well as basic principles of accelerators.

PHYS5014
Applications of Nuclear Physics
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour practical per week **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. Applications of radioisotopes in medicine, agriculture, geochronology and cosmo-chronology, archaeology, space research, industry and research are covered. Experiments will be undertaken in nuclear, radiation and neutron physics.

PHYS5015
Reactor Physics and Systems
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. It covers the following: pPhysical properties of neutrons; neutron sources; neutron cross-sections, interactions and scattering; neutron flux and field; nuclear fission and chain reactions in thermal and fast nuclear reactors; neutron diffusion; criticality conditions; nuclear reactor dynamics; production and transmutation of radionuclides.

PHYS5016
Nuclear Chemistry and Nuclear Fuel Cycle
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. It covers fuel materials, reactor fuel production, properties of fuel element materials, processing of spent nuclear fuel, separation processes, nuclear waste disposal and transmutation.

PHYS5017
Energy Options and Environment
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. It covers the following: fossil fuels (coal, oil, gas); renewable energies (solar, wind, wave, biomass, geothermal); nuclear energy (fission, fusion); relative advantages; environmental impact and economical viability.

PHYS5018
Health Physics and Radiation Protection
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week. **Prohibitions:** PHYS5008 **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

This unit is normally undertaken as part of the Master of Medical Physics degree or the Graduate Diploma in Medical Physics or the Master of Applied Nuclear Science or the Graduate Diploma in Applied Nuclear Science. The biological effects due to the interaction of radiation with human tissues from the DNA level through to the major organ systems are covered. Factors affecting dose response of tissue are considered along with models describing characteristic behaviour. Physical and biological aspects of the safe use of ionizing radiation, physical principles underlying shielding design instrumentation, international and legislative requirements for radiation protection are covered.

PHYS5019
Research Methodology and Project
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Prohibitions:** Both PHYS(5009 and 5010) taken **Assessment:** report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is only available for students in the Master of Applied Nuclear Science or the Master of Medical Physics degrees

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

In this unit, normally undertaken as part of the Master of Applied Nuclear Science degree, a research project is undertaken. The topic of the project will be determined in consultation with the course coordinator. In addition, the processes involved in conducting various forms of research, basic data analysis and interpretation, research writing and presentation skills are covered.

PHYS5020
Computation and Image Processing
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour practical per week **Prohibitions:** PHYS5007 **Assessment:** assignments, written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip App Nuc Sci, M App Nuc Sci, PG Coursework Exchange.

In this unit normally undertaken as part of the Masters of Medical Physics degree or the Graduate Diploma in Medical Physics, the theory of image formation, concepts of computing, numerical methods and image processing are covered, including techniques such as enhancement, registration, fusion and 3D reconstruction.

PLAN9010
Planning Dissertation 1
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Nicole Gurran. **Session:** Semester 1, Semester 2 **Classes:** Independent study + 7 meetings. **Prerequisites:** WAM of at least 75 and 48 credit points being the core requirements for the MURP. **Prohibitions:** PLAN9018, ARCH9031, ARCH9045, ARCH9046, ARCH9060 **Assessment:** Dissertation of at between 15000 and 25000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters of Urban & Regional Planning students only. It MUST be taken in conjunction with PLAN9011 Planning Dissertation 2, either in the same or following semester.

Associated degrees: M U R P.

The planning dissertation is a substantial piece of research, conducted full time over one semester (by enrolment in PLAN9010 and PLAN9011), or part time over two semesters (by consecutive enrolment in these units). It takes the form of a document (between 15000 and 25000 words) on an approved urban and regional planning subject of your choice. Students electing to do a stream in the MURP program must select a topic relevant to their chosen stream. There is also an option for students to prepare a shorter document suitable for publication in a refereed journal. The planning dissertation is an opportunity to advance your knowledge and skills in a particular area and so develop a "professional edge". For those intending to undertake further academic study, the dissertation also provides an opportunity for you to develop your research skills and qualify for the degree with honours.

The objective of the dissertation is to allow you to develop higher order research and analytic skills by undertaking an in depth study of your own selection. The expected learning outcomes of the dissertation include the ability to: think critically about a planning problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to urban and regional planning issues; undertake primary and secondary research; present your findings in a way that demonstrates academic and professional competence.

A dissertation generally includes: a literature review to delineate a problem or gap in knowledge; a statement of research aims or objectives, as well as research questions and / or hypotheses; explanation of research methods; presentation and analysis of data; discussion of conclusions; an abstract.

Permission to continue the Planning Dissertation is subject to a satisfactory research proposal which must be approved by your supervisor by week 3 of semester.

The assessment is based solely on the submission of your dissertation. The dissertation will be marked by two examiners. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled in Planning Dissertation 2. Note that only one submission is required for both Planning Dissertation 1 and 2. It is not possible to complete Dissertation 1 independently of Dissertation 2. Students who intend a shorter project should enrol in PLAN9018 Planning Report.

A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

PLAN9011
Planning Dissertation 2
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Nicole Gurran **Session:** Semester 1, Semester 2 **Classes:** Independent or group study **Prerequisites:** WAM of at least 75 and 48 credit points being the core requirements for the MURP **Corequisites:** PLAN9010 **Assessment:** Dissertation of between 15000 and 25000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is for Masters of Urban & Regional Planning students only. It MUST be taken in conjunction with PLAN9010 Planning Dissertation 1, either in the same or preceding semester.

Associated degrees: M U R P.

The planning dissertation is a substantial piece of research, conducted full time over one semester (by enrolment in PLAN9010 and PLAN9011), or part time over two semesters (by consecutive enrolment in these units). It takes the form of a document (between 15000 and 25000 words) on an approved urban and regional planning subject of your choice. Students electing to do a stream in the MURP program must select a topic relevant to their chosen stream. There is also an option for students to prepare a shorter document suitable for publication in a refereed journal. The planning dissertation is an opportunity to advance your knowledge and skills in a particular area and so develop a "professional edge". For those intending to undertake further academic study, the dissertation also provides an opportunity for you to develop your research skills and qualify for the degree with honours.

The objective of the dissertation is to allow you to develop higher order research and analytic skills by undertaking an in depth study of your own selection. The expected learning outcomes of the dissertation include the ability to: think critically about a planning problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to urban and regional planning issues; undertake primary and secondary research; present your findings in a way that demonstrates academic and professional competence.

A dissertation generally includes: a literature review to delineate a problem or gap in knowledge; a statement of research aims or objectives, as well as research questions and / or hypotheses; explanation of research methods; presentation and analysis of data; discussion of conclusions; an abstract.

Permission to continue the Planning Dissertation is subject to a satisfactory research proposal which must be approved by your supervisor by week 3 of semester.

The assessment is based solely on the submission of your dissertation. The dissertation will be marked by two examiners. Dissertations are due at the end of the first week of exams for the semester in which you are enrolled in Planning Dissertation 2. Note that only one submission is required for both Planning Dissertation 1 and 2. It is not possible to complete Dissertation 1 independently of Dissertation 2. Students who intend a shorter project should enrol in PLAN9018 Planning Report.

A result of 75 is required for the award of the honours degree. Students with a result lower than 75 will be awarded the pass degree.

PLAN9018
Planning Report
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Nicole Gurran. **Session:** Semester 1, Semester 2 **Classes:** Independent study + 7 meetings. **Prerequisites:** 48 credit points **Prohibitions:** ARCH9031, ARCH9060, ARCH9045, ARCH9046, PLAN9010, PLAN9011 **Assessment:** Report of between 10000 and 15000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Submit an Independent Study Approval form, signed by your proposed supervisor, with your request to enrol. This unit is for Masters of Urban & Regional Planning students only. MURP students taking the Urban Design stream should enrol in ARCH9060 Urban Design Report.

Associated degrees: M T M, M U R P, M U R P.

The planning report is a substantial piece of research conducted over one semester. It takes the form of report (between 10000 and 15000 words) on an approved urban and regional planning subject of your choice. Please note however that students electing to do a stream in the MURP program should select a topic relevant to their chosen stream.) The planning report is therefore an opportunity to advance your knowledge and skills in a particular area and so develop a "professional edge".

The objective of the planning report is to allow you to develop research and analytic skills by undertaking an in depth study of your own selection. The expected learning outcomes of the report include the ability to: think critically about a planning problem and develop an appropriate research methodology or analytical approach to address it; identify and access appropriate sources of information, research and literature relevant to urban and regional planning issues; undertake primary and secondary research relevant to problems in planning practice; present your findings in a way that demonstrates academic and professional competence.

A planning report generally includes: a literature review to delineate a planning problem or gap in knowledge; a statement of research aims or objectives, as well as research questions; an explanation of research methods; presentation and analysis of data; discussion of conclusions.

Permission to continue the Planning Report is subject to a satisfactory research proposal which must be approved by your supervisor by week 3 of semester.

Planning reports are due at the end of the first week of exams for the semester in which you are enrolled. The assessment is based solely on the submission of your planning report.

PLAN9045
Economic Tools and Community Development
Architecture, Design and Planning

Credit points: 6 **Session:** S2 Intensive **Classes:** 5 day intensive **Assessment:** Students will be assessed on the basis their ability to use key concepts and methods in undertaking practical projects. Assessment will be based on a student's ability to: critically analyse regional economic impact and project evaluation documents; undertake a literature review using a variety of sources; use the internet as a research tool; apply the main concepts of input-output analysis, economic and project evaluation (including discount rate, net present value, internal rate of return); and consider intangible items in economic evaluation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M T M, M U R P, PG Coursework Exchange.

This specialisation unit is concerned with: project and program evaluation; economic and social impact analysis; regional planning and development; and assessment of benefits and costs, and justification for public funding.

On completion of the unit students should be able to: critically review a cost-benefit analysis, a feasibility study, economic impact analysis and a social impact analysis; generate an economic development strategy for a region; analyse a regional planning policy; understand the social and economic impacts of tourism; apply theoretical concepts and methods to practical problem; think creatively and critically about planning issues; use the available computer and information technology; and apply technical skills in a sound and useful manner.

PLAN9048
Environmental Design and Planning
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Martin Payne **Session:** S2 Late Int **Classes:** 4 days intensive **Assessment:** One report, 6000 - 7000 words (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Sustainable Des), Grad Dip Des Sc (Build), M Arch, M Des Sc (Build), M Des Sc (Build), M T M, M U R P, PG Coursework Exchange.

The unit teaches knowledge and skills relevant to designing and planning the built environment. It engenders capability with designing buildings, places and urban form, having regard to a range of environmental design, planning and sustainability considerations.

The unit covers a range of related concepts and topics: designing for user comfort, quality built environments, and sustainability; key environmental design factors (air flow and ventilation; natural and artificial lighting; solar provisions; noise; energy efficiency, waste management etc); urban ecology and landscapes; natural environments and urban systems; innovative hydraulic systems; sustainable architectural and urban design; social dimensions of environmental design; lighting public places for safety, amenity and enclosure; designing secure and manageable public places; implementing ESD with instruments, guidelines and approvals; and environmental studies and development approval.

The key attributes engendered by the unit are: to be able to use concepts and methods in a sound and creative manner; to be able to solve relevant design problems; to be able to apply appropriate technical skills and knowledge; and to be able to produce appropriate reports and designs.

PLAN9050
Housing for Health (Advanced)
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Col James **Session:** S2 Intensive **Classes:** Intensive mode seminars and field trips **Assessment:** 2 assignments and report (assignment 1: 10%, Assignment 2: 60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

By the end of this unit a student should: have an understanding of recommended texts and reporting on health-housing theory; be able to complete specific tasks in the measurement of performance of household plumbing and electrical services and fittings against stated standards; be familiar with Healthhabitat data sheets and logging into Healthhabitat analysis programs to deliver work sheets for licensed plumbers and electricians; and be able to write a report specifically analysing data, house fixing procedures and independent observations of other health risks, to give householders information on best household user practices and regular maintenance requirements.

This unit is an investigation of the housing characteristics fundamental to the healthy survival of babies (0-5 years) as a prerequisite for healthy family life. The focus is on nine healthy living practices: washing people; washing clothes; removing waste; improving nutrition; reducing crowding; separating people from animals, vermin or insects; reducing dust; controlling temperature; and reducing trauma. Upon completion of the basic Housing for Health unit, advanced and postgraduate students will select one of the nine healthy living practices for deeper research and investigation and presentation of a report.

The unit aims to demonstrate the health implications of housing design. Students will develop skills in the measurement analysis of design features which have health outcomes. The unit will also develop skills in reporting and communicating results and recommendations to householders.

PLAN9061
Planning Procedures

Architecture, Design and Planning

Credit points: 6 **Session:** S1 Intensive, S2 Intensive **Classes:** Four day intensive **Prohibitions:** PLAN9020, PLAN9044 **Assessment:** There are three written assessment items. These are based on current case studies in the Sydney metropolitan area, and may be used for a portfolio of professional work. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful please contact the Faculty of Architecture Student Administration Centre. Permission required in Semester One unless enrolled in Urban and Regional Planning.

Associated degrees: Grad Cert Des Sc (Build), Grad Cert Des Sc (Sustainable Des), Grad Cert Herit Cons, Grad Cert U R P, Grad Dip Des Sc (Build), Grad Dip Herit Cons, Grad Dip U R P, M Des Sc (Build), M Des Sc (Build), M E S, M Herit Cons, M P M, M T M, M U R P, M U R P, M U.

This unit aims to prepare you for professional practice as a strategic or development assessment planner. It focuses on social, economic and environmental principles for contemporary planning practice; and the legal frameworks for land use planning and environmental management in NSW.

By the end of this unit of study you will: understand the social, economic, and environmental principles underpinning contemporary planning practice; appreciate key legal and institutional processes for environmental planning in Australia and internationally; be familiar with the various planning state, regional, and local planning instruments in NSW, and understand when and how they apply to planning proposals; be able to assess the social, economic, and environmental impacts of basic planning proposals, and identify appropriate processes to address these; justify these recommendations in professional planning reports; understand the principles, techniques and requirements for public participation in environmental planning and assessment; understand the ethical responsibilities of land use planners, including respect for diversity and the importance of social equity, in guiding decision making processes and assessing planning proposals.

This unit is a core subject in the urban and regional planning program, and a required subject for several other degree programs in the Faculty. The unit relates directly to PLAN9062 Planning Law, and unless students have extensive experience or knowledge of planning practice in Australia, Planning Procedures must be undertaken prior to enrolling in Planning Law or during the same semester.

Student workload: the unit is delivered intensively over 4 days. Class preparation: 3 hours prior to each class; Assessment preparation: 60 hours per semester.

PLAN9062
Planning Law
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Adj A/Prof Mary-Lynne Taylor **Session:** Semester 2 **Classes:** 2hr lec/wk **Corequisites:** PLAN9061 **Prohibitions:** PLAN9021 **Assessment:** three written reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert U R P, Grad Dip U R P, M E S, M P M, M T M, M U R P, M U R P, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

This unit aims to develop an understanding of planning law that enables competent professional practice in addressing a range of complex planning issues.

Students will be able to prepare reports on practical planning issues that demonstrate: knowledge of how planning intentions are implemented through policies, instruments and controls; knowledge of how planning law shapes practice; knowledge of instrumental arrangements and environmental planning procedures; knowledge of the main characteristics of well-reasoned and well-structured documents; awareness of the importance of evidence and argument in preparing planning proposals, for example, about planning instruments and development applications; and a general understanding of techniques for community consultation.

Student workload effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 60 hours per semester.

PLAN9063
Foundations of Environmental Planning
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Martin Payne and Prof Ed Blakely **Session:** Semester 1 **Classes:** Two hours lecures and two hours seminar per week. **Prohibitions:** PLAN9027 **Assessment:** Three reports and graphics, based on group work on a project, with individual submissions. Each equivalent to 2,000-2,500 words in length. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert U R P, Grad Dip U R P, M T M, M U R P, M U R P, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

The unit is primarily concerned with concepts relating to planning for natural and built environments. It emphasises conceptual knowledge, with examples and case studies to demonstrate the application of concepts in practice. Students are encouraged to think independently, creatively and critically in developing understanding and practical knowledge about environmental planning.

The unit is in three modules.

Module one: Concepts of the environment and environmental planning, deals with different environmental concerns and adapting issues (defence, sanitation, security, material wellbeing, hazards, civic functions, urban places, natural environments etc); the emergence of government with environmental reforms; types of environmental studies, plans and planning instruments; and urban form, access, densities and the distribution of activities.

Module two: Environmental Assessment, deals with environmental impacts - social, economic, natural etc; theory and practice of environmental impact assessment; recognition of the limitations with impact assessment, and possible remedies; environmental studies and assessment statements; the structure of environmental arguments and impact statements; procedures for preparing and assessing impact statements; political and economic factors influencing environmental assessment; case study- review of a major EIS.

Module three: Urban Development, deals with environmental studies, metropolitan planning and the roles of governments; infrastructure planning and urban form; differing perspectives on planned and natural environments; various roles of planning in managing urban growth and protecting the environment; and a case study - planned metropolitan growth.

On completion, each student will understand the flexible and evolving forms of environmental planning; be able to review an environmental impact statement; and be able to prepare basic urban development plans.

PLAN9064
Land Use and Infrastructure Planning
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Mr Martin Payne **Session:** Semester 2 **Classes:** Two hours lecture per week. **Prohibitions:** PLAN9028 **Assessment:** Three reports and graphics, based on group work on a project, with individual submissions. Each equivalent to 2,000 to 2,500 words in length. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert U R P, Grad Dip U R P, M E S, M P M, M T M, M U R P, M U R P, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

The unit is primarily concerned with concepts relating to planning for natural and built environments. It emphasises conceptual knowledge, with examples and case studies to demonstrate the application of concepts in practice. Students are encouraged to think independently, creatively and critically in developing understanding and practical knowledge about environmental planning.

The unit is in three modules. (1) Concepts of the environment and environmental planning: different environmental concerns and adapting issues (defence, sanitation, security, material wellbeing, hazards, civic functions, urban places, natural environments etc); the emergence of government with environmental reforms; types of environmental studies, plans and planning instruments; and urban form, access, densities and the distribution of activities. (2) Environmental Assessment: environmental impacts, social, economic, natural etc; theory and practice of environmental impact assessment; recognition

of the limitations with impact assessment, and possible remedies; environmental studies and assessment statements; the structure of environmental arguments and impact statements; procedures for preparing and assessing impact statements; political and economic factors influencing environmental assessment; case study- review of a major EIS. (3) Urban Development: environmental studies, metropolitan planning and the roles of governments; infrastructure planning and urban form; differing perspectives on planned and natural environments; various roles of planning in managing urban growth and protecting the environment; and case study: planned metropolitan growth.

On completion, each student will: understand the flexible and evolving forms of environmental planning; be able to review an environmental impact statement; and be able to prepare basic urban development plans.

PLAN9065
Urban Environment
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Rafael Pizarro **Session:** Semester 1 **Classes:** Sem 2hrs/wk **Assessment:** One project with three assignments each requiring a report and graphics. Each report is about 2,500 words in length. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert Urb Des, Grad Dip Urb Des, M U D (Arch Urb Des), M Urb Des, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

The aims of this unit are (1) to understand basic principles of ecology and environmental management; (2) to apply principles of ecology and environmental management in assessing the impacts of urban development (including total life cycle) on environmental systems. (3) to formulate strategies to manage this impact and enhance environmental quality, particularly with respect to: conducting, managing, and evaluating environmental impact assessments; sustainable patterns of subdivision and urban design; sustainable building and construction; wise energy use, water and waste management; sustainable transportation; green cities, and protecting and enhancing biodiversity. This unit is especially relevant to local government urban planning or environmental planning roles; regional, state and national government planning, conservation, and natural resource management agencies; international conservation and environmental management organisations; consulting firms, including those that specialise in environmental assessment and management. The field laboratory will: focus on the development of an assessment framework containing criteria against which issues/alternatives can be assessed in an ordered way dealing with logic and timing issues, policy issues, cost effectiveness and performance measures; enable students to understanding how political and economic pressures can influence environmental decision processes.

PLAN9067
Metropolitan Planning
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Prof Ed Blakely and Mr Martin Payne **Session:** S2 Intensive **Classes:** 6 days intensive **Prerequisites:** PLAN (9027 and 9028) or PLAN (9063 and 9064) **Assessment:** Assignment one: 25%, assignment two: 30%, assignment three: 40%, readings: 5% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), M T M, M U R P, PG Coursework Exchange.

Students will learn about: the roles of governments in metropolitan planning and implementing urban development policies; planning for a range of infrastructure and for key urban activities; implementation arrangements for public and private sector agencies; and types of metropolitan plans and their relations with other instruments and policies.

Each student will be able to: prepare a policy analysis on a planning issue that supports proposals and related actions; prepare a well organised report and make a short oral presentation on their analyses and proposals; conceptualise complex urban development situations; critically review and interpret literature, instruments, policies, plans etc; and conduct 'field' investigations, and construct sound, contextual and practical knowledge (especially using stories and arguments).

PLAN9068
History and Theory in Urban Planning
Architecture, Design and Planning

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hrs/wk **Prohibitions:** PLAN9031 **Assessment:** Three essays, each of 2,000-2,500 words in length. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert U R P, Grad Dip U R P, M T M, M U R P, M U R P, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

The unit enables students to understand how the main concepts and practices of urban planning and development have evolved; appreciate different perspectives about the roles and purposes of planning; undertake basic historical research about urban planning and development issues; and prepare basic stories and arguments about practical planning issues.

Students will be able to: critically review and interpret planning documents; construct and present basic arguments, orally and in documents; access and engage with key literature and other sources of knowledge; and use basic conceptual frameworks about planning arguments and stories.

Contribution of unit of study to its program: this is an introductory, core unit.

Student workload effort expected: contact hours two per week; class preparation two per week; assessment preparation 50 hours per semester.

PLAN9069
Urban Design and Development Control
Architecture, Design and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Rafael Pizarro **Session:** Semester 1 **Classes:** 2 hrs/wk **Prohibitions:** PLAN9051 **Assessment:** Reports, with supporting graphics. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), Grad Cert U R P, Grad Dip U R P, M T M, M U R P, M U R P, M Urb Des (Urb Des&Plan), PG Coursework Exchange.

Objectives: The unit aims to develop a professional standard of competence in the generation and implementation of urban design and development controls; and to demonstrate a critical and reflective awareness of the philosophies, concepts and practice of urban design and development control.

Content: The unit focuses on the development of design arguments, the translation of preferred design outcomes into development control codes, the legal framework of development controls and the preparation of development control reports.

Outcomes: Students should be able to prepare clear and concise development control plans, assess and report on the physical and social impact of alternative urban design and development control strategies, and prepare and evaluate design proposals. By the completion of this unit students will be expected to: understand the nature, history, and evolution of development controls; have fundamental notions of good urban design; critically examine development controls and make inferences about the type and quality of urban design they are likely (or not) to produce; develop skills to overlay development controls over the built environment; and judge the correspondence between urban design strategies and development controls. It is expected that: each student will demonstrate critical skills for assessing the soundness of policies, regulations, norms, and codes; students will be able to prepare case studies, which demonstrate understanding of various forms of development controls, and the ability to apply these to urban design proposals. Student workload effort expected: Contact hours two hours per week; class preparation two hours per week; assessment preparation 50 hours per semester.

PLAN9070
Graduate Studio - Design Guidelines
Architecture, Design and Planning

Credit points: 12 **Teacher/Coordinator:** Dr Rafael Pizarro **Session:** Semester 2 **Classes:** Six hours per week studio. **Prerequisites:** PLAN(9061 and 9065 and 9069) or ARCH(9001 and 9002) **Assessment:** Assessment will be based on regular progress reports and presentations to studio critics (20%); final report and presentation before an assessment panel that includes Faculty members and invited external members (80%). Note: Assessment of progress reports and final presentation will reflect both individual and group effort. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

The aim of this studio is to teach students how to construct design-led planning controls and similar urban regulatory instruments. Students will develop design frameworks to guide future development in a clear and unambiguous manner. Such frameworks will include all planning policies and development controls necessary to achieve the stated aims, goals, and objectives of public mandates. The final product of the studio will be an illustrated report that explains and presents the design framework. This may be supported by physical models, exhibition panels, and/or digital visualization material (in PowerPoint or similar software). The projects in this studio are based on real case scenarios in the Sydney or other Metropolitan Areas. Prior to the initiation of all projects there will be consultation with major stakeholders and the general public in the area of interest. Students taking this unit will be prepared to assist private and public design and planning agencies in the preparation of planning policies, design guidelines, and development controls. The student will also develop an in-depth understanding of the dynamics of multidisciplinary collaboration between architecture, urban design, and planning as they exist in the professional practice. In experimenting with urban form and design guidelines via drawings, graphics and models, students will generate options of development controls and planning policies with direct implications for the quality of the built environment. Students will a) generate sound design and planning principles and translate them into development controls and planning policies; b) use clear and compelling graphics and 3-D models to illustrate design guidelines, development controls, and other normative regulations that shape the built environment; and c) present these in a way that it is easily understandable by a general public.

PLAN9071
Housing & Urban & Regional Development
Architecture, Design and Planning

Credit points: 6 **Session:** S1 Late Int **Classes:** Four days intensive mode. **Prohibitions:** ARCH9057 **Assessment:** Two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

This unit introduces the key policy and planning issues associated with the "production" and "consumption" of housing. These range from the physical location and sustainable design of new housing, through to the dynamics of the housing market, and the contribution of housing strategies to urban and regional revitalisation. The unit focuses on emerging themes in housing and urban development, and develops practical skills in designing strategic planning, policy, and project based responses to encourage more affordable, appropriate and environmentally sustainable housing outcomes for urban and regional Australia. By the end of this unit of study you should understand the basic structure and operation of housing markets; be familiar with important policy objectives for housing within the broader context of sustainable urban or regional development, such as sustainability, affordability and appropriateness of design; and understand the relationships between these policy objectives and the land use planning framework. Case studies and or a housing project development simulation forms the focus for much of the learning in this unit.

PLAN9072
Housing Policy and Assistance
Architecture, Design and Planning

Credit points: 6 **Session:** S2 Late Int **Classes:** Four day intensive. **Prohibitions:** ARCH9056 **Assessment:** Two assignments (50% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Des Sc (Sustainable Des), PG Coursework Exchange.

This unit focuses on emerging issues associated with the role of governments in housing, particularly the provision of housing assistance. The field of housing policy studies is extensive with a strong interdisciplinary base that provides a variety of theoretical and practical perspectives on housing issues facing professional housing workers, planners and architects working in Australia or abroad. The unit includes a comparative and historical perspective to increase awareness of differences in housing markets and housing needs, and to promote discussion of alternative approaches to housing policy. The unit will provide opportunities for students to discuss the policy making process and policy choices with practitioners working in different agencies and to analyse the drivers, objective and impacts of recent housing policy initiatives. Students will gain a comparative perspective on housing policy approaches using European and regional examples; and learn to analyse housing assistance needs and measures, including approaches for particular groups - for example housing for indigenous people and communities, housing models for people with support needs. The anticipated outcomes of the unit are to provide a conceptual framework for understanding the rationale for, and scope of, government intervention in housing; and to develop skills in developing and implementing policies that assist lower income earners and those with particular needs to access appropriate and affordable housing.

PMED5050
Research Methods
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in online discussions, self-directed learning activities and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x1500word critical appraisal assignments (40%), 1x2500word assignment (40%) and participation in online discussion forum (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit covers the fundamentals of epidemiology, biostatistics and research design. Our aim is to provide you with the knowledge of and skills in research methods required to critically appraise and assess research evidence relevant to your work.

PMED5051
Leadership in Medicine
Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Hudson Birden **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in online discussions, self-directed learning activities and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 4x500word assignments (20%), 2x1000word essays (50%) and participation in online discussion forum (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med, Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed), M Med.

This unit is an introduction to current concepts of leadership valuable to medical practice. Our focus will be on the personal skills and knowledge necessary for effective leaders in clinical practice and in the larger policy-setting realm. This unit is designed to introduce you to current concepts of leadership that will be valuable in the context of medical practice and to develop within you the personal skills and understanding necessary to be an effective leader in clinical practice and in the larger policy-setting realm.

PMED5100
Paediatric Infectious Diseases
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Cheryl Jones **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x2000word essays (or its equivalent) (60%) and participation in online discussion forum 40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit investigates in-depth the epidemiology, diagnosis and management of paediatric infectious diseases. Modules of study within this unit will include: worldwide patterns of infectious disease, including assessment of scope of problem and burden of disease; common paediatric infectious diseases; current evidenced based practice for diagnosis and treatment of common childhood infectious diseases; infectious diseases in special populations such as immunocompromised, malnourished and indigenous populations; issues of policy and public health; emerging infectious diseases in paediatric settings.

PMED5101
Paediatric Asthma and Allergy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Anne Morris, Dr Dianne Campbell **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 1x1000word essay (20%), 1x1page management plan (20%), 1x800word assignment (20%) and participation in online forum (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit examines the worldwide status and trends in child and adolescent asthma and allergic disease. It explores the determinants, clinical assessment, medical complications, management and prevention of these important public health problems. Our aim is to inspect the current clinical practice and principles that underlie the diagnosis and management of paediatric asthma and allergic disorders. There is a close integration of epidemiology; basic science and best available evidence in management that are revealed through clinically based scenarios. Important cutting edge and controversial concepts and treatments are explored.

PMED5102
Paediatric Nutrition and Obesity
Medicine

Credit points: 6 **Teacher/Coordinator:** Prof Louise Baur, Dr Anne Morris **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 1x2000word essay (40%), 1x200word management plan (20%) and participation in online discussion forum (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit examines the worldwide status and trends in child and adolescent obesity, incorporating a focus on paediatric nutrition. It explores the determinants, clinical assessment, medical complications, management and prevention of this important public health problem. There is a close integration of epidemiology, basic science and best available evidence in management and prevention into clinically based scenarios. Our aim is to provide you with a broad knowledge base and ability to apply scientific theory and clinical evidence to the diagnosis and management of obesity in childhood. This will include grounding in the complex social, cultural and environmental factors contributing to the continuance of childhood obesity throughout the world.

PMED5103
Paediatric Gastroenterology
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Shoma Dutt **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x2000word project (or its equivalent) (60%) and participation in online discussion forum (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med, Grad Cert Med (Int Med), Grad Cert Med (Paed), Grad Dip Med (Int Med), Grad Dip Med (Paed), M M (Int Med), M M (Paed).

This unit closely examines current principle and practice of paediatric gastroenterology. Modules of study within this unit will include: worldwide patterns of paediatric gastroenterological disorders; disorders of oesophagus and stomach, focusing on evidence based evaluation and treatment of Gastroesophageal reflux, helicobacter disease; evidence based evaluation and treatment of acute and chronic liver disease, and pancreatic disorders; evidence based evaluation and treatment of enteropathies; recent advances in the diagnosis and treatment of inflammatory bowel diseases; emerging paediatric gastroenterological disorders.

PMGT5871
Project Process Planning and Control
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867 & PMGT6868 **Assessment:** A series of case study based team assignments (A1 and A2); Contributions to shared learning via discussion forums and tutorials; Final Report. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Cert P M, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P M, M E S, M Inf Tech, M Inf Tech Man, M P M.

Project Management processes are what moves the project from initiation through all its phases to a successful conclusion.

This course takes the project manager from a detailed understanding of process modelling through to the development and implementation of management processes applicable to various project types and industries and covers approaches to reviewing, monitoring and improving these processes.

The development of a handbook on Project Management appropriate for the type of projects students are involved in is part of this course.

Topics include:

- Management Process Modelling Techniques
- Organisation Maturity and Process Maturity
- Managing the Project Initiation Process
- Managing the Project Planning Process
- Managing the Project Execution and Control Processes
- Managing the Project Close-out Process
- Designing and Implementing a Project Management Improvement Programme.

Textbooks
None

PMGT5872
People and Leadership
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** A series of case study based team assignments (A1, A2 and A3); Contributions to shared learning via discussion forums and tutorials; Final Report. and Viva **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Cert P M, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P M, M E S, M Inf Tech, M Inf Tech Man, M P M.

This is a generic project management unit aimed at increasing capability in people management and leadership of projects. It uses PMBoK as the basis for developing a far deeper insight into managing contemporary projects, programs and portfolios of projects.

The unit references a range of Australian and global Project Management, Management and Consulting Standards.

Topics include Personal and Interpersonal Competence.

Textbooks
None

PMGT5873
Project Economics and Finance
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator:Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** A series of case study based team assignments (A1 and A2) Contributions to shared learning via discussion forums and tutorials Final Report and Viva **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M E S (Manuf Com Bus Man), M E S (Manuf K I Proj Man), M P M.

This course equips members of project management teams with information and tools to do financial appraisal and optimise decision making. It imparts basic knowledge and competencies required in project appraisal and financial management applicable to all sectors of industry and business. These include services, business investment, R&D, capital projects, local, state and national government departments and agencies.

Topics include:

- Review of the Fundamentals of Project Economics and Financial Techniques

- Implementation of Fundamental Principles including EUAC, NPV, IRR, B/C, Valuation, Depreciation, Replacement Studies and Life Cycle Costing

- Development of Project Alternatives and Application of the Analysis Techniques

- Sensitivity Analysis, Risk Analysis and Management

- Project Funding and Selection

- Project Appraisal Report.

Textbooks
Grant, Ireson and Leavenworth, Principles of Engineering Economy (J. Wiley & Sons) Latest Edition

PMGT5875
ICT and Innovation Project Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** A series of case study based team assignments (A1 and A2). Contributions to shared learning via discussion forums and tutorials. Final Report and Viva. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

This course explains the fundamentals of planning for major software ITC projects: innovation and development systems (R&D). These include development of briefs, documentation of needs and requirements, tools and techniques for capturing and optimising users' and stakeholders' needs and requirements; implementing plans, monitoring and tracking project status reporting; financial reporting and control and System Development Life Cycle (SDLC).

PMGT5876
Strategic Delivery of Change
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867, PMGT6868 & PMGT6869 **Assessment:** A literature review (A1) A draft research report (A2) and a final research report (A3); A Learning Journal, Final Report and Viva. The Learning Journal is designed to assist you in successfully completing this course. The Final Report & Viva. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Cert P M, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P M, M E S, M Inf Tech, M Inf Tech Man, M P M.

This course addresses strategic project, programme and portfolio management philosophy and frameworks for the delivery of strategic change. There is a large dissertation (approximately 8,000 words), based on the writer's own organisational experiences and guided by the USyd Supervisor. The hours of study include the time to write the dissertation.

PMGT5877
Management of Project Organisations
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867 & PMGT6868 **Assessment:** A series of case study based team assignments (A1 and A2) Contributions to shared learning via discussion forums and tutorials Quizzes to assess your ability to apply theoretical concepts to your work. Final Report and Viva. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

This course examines the challenges and approaches of managing project-oriented organisations. These could be independent business units or divisions within a larger corporation. Examples are construction contractors, ITC services, R&D units and many internal business units that are project-oriented.

Today, more organisations are adopting project management as a management strategy to provide effective and timely solutions to clients. They are managing organisational architecture to support both 'business as usual' and projects that are increasingly important to the organisation.

Focus is on the relationship between project management and the following: organisational culture, structure, processes, cross-functional teams, project governance, performance management, organisational learning, change and knowledge management.

It is partially taught. There is a large dissertation (approximately 8,000 words), based on the writer's own organisational experiences and guided by the USyd Supervisor. The hours of study include the time to write the dissertation.

PMGT5879
Strategic Portfolio & Program Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator:Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867, PMGT6868 & PMGT6869 **Assessment:** A Research Proposal outlining research questions, motivations and methods. A report justifying the use of a case to address the research questions. An 8,000 word dissertation on Strategy, Project Portfolio and Programme Management; Contributions to shared learning via discussion forums and tutorials & Viva **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

This unit specifically addresses the selection and prioritisation of multiple programmes and projects which have been grouped to support an organisation's strategic portfolio.

The allocation of programmes of work within a multi-project environment, governing, controlling and supporting the organisation's strategy, are considered. The aim is to formulate and manage the delivery of the portfolio of strategies using programme management.

There is a large dissertation (approximately 8,000 words), based on the writer's own organisational experiences and guided by the USyd Supervisor. The hours of study include the time to write the dissertation.

PMGT5883
Dissertation
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Prerequisites:** PMGT6867, PMGT6868 & PMGT6869 **Assessment:** A large dissertation (approximately 10,000 words) based on the writer's own organisational experiences. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

Research methods and techniques, literature review and critical appraisal techniques, data modelling and evaluation techniques, development and testing of hypotheses; interpretation and documentation of findings and other aspects of conducting research and investigation.

This course includes a large dissertation (approximately 10,000 words) based on the writer's own organisational experiences.

PMGT5885
Event Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867 & PMGT6868 **Assessment:** A series of case study based team assignments (A1 and A2). Contributions to shared learning via discussion forums and tutorials. Final Report and Viva. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

Adaptation of project management fundamentals to the event project life cycle; event feasibility from marketing and operational points of view; risk management in the event context; stakeholder analysis; event system analysis and documentation; decision analysis in the event environment; event teams and partnering. Participants are encouraged to work on current special events or festivals.

Textbooks
Allen J, O'Toole W, McDonnell I, Harris R (2002) Festival and Special Event Management J. Wiley Brisbane (also published in Chinese)

PMGT6867
Quantitative Methods: Project Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator:Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** A series of case study based team assignments (A1 and A2). Contributions to shared learning via discussion forums and tutorials. Final Report, Viva and 3 hr written exam **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert I T, Grad Cert Inf Tech Man, Grad Cert P M, Grad Dip I T, Grad Dip Inf Tech Man, Grad Dip P M, M E S, M Inf Tech, M Inf Tech Man, M P M.

This unit has been designed to teach understanding of the principles to plan, manage and deliver project scope, time and cost.

- To develop underpinning knowledge of scope, time and cost management as applied to projects

- To provide practical examples and opportunities to apply the relevant section of PMBOK to understanding the management of scope, time and cost on projects

- To initiate process of reflective learning and evidence development for competencies in the areas of scope, time and cost management.

Topics include:

- Project Integration
- Project Scope Management
- Project Time Management
- Project Cost Management
- Project Quality Management
- Project Risk Management

Textbooks
The Handbook of Project-based Management Rodney J. Turner, McGraw Hill 1999, 3rd Edition or later

PMBOK 2000 A Guide to the Project Management Body of Knowledge, Project Management Institute, 2000
Project Management The Managerial Process Clifford F. Gray & Erik W. Larson, International Edition 2000

PMGT6868
Qualitative Methods: Project Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator:Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Assessment:** A series of case study based team assignments (A1 and A2). Contributions to shared learning via discussion forums and tutorials. Final Report, Viva and 3 hour Exam **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M E S (Manuf K I Proj Man), M P M.

The aims are to develop competency in qualitative methods associated with project management, in accordance with PMI's PMBoK and ISO10006.

- Project management fundamentals, a simple project model, application of tools for needs and economic analysis, scheduling and resourcing of projects, people management and leadership, communication management, project integration management and introduce Systems Science as a holistic problem solving methodology.

Topics include:

- Contributing in Teams (HR)
- Information and Communication Management
- Procurement and Contract Law
- Systems Thinking
- Change Management
- Project Value and MetricsProject Management Cycles and Tools
- Business Ethics

Textbooks
None

PMGT6869
Advanced Knowledge in Project Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867 & PMGT6868 **Assessment:** A Literature Review (A1) A series of case study based team assignments (A2 and A3) A Learning Journal, Final Report, 3 hr written exam and Viva. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

This course has been designed to apply the principles of planning, managing and delivering project scope, time and cost. The objectives are to develop further competencies in methods associated with project management beyond that found in PMI's PMBoK and ISO10006.

Much of this material builds on that taught in PMGT6867 and 6868. The aim of the course is to develop underpinning knowledge and initiate reflective learning and enable students to demonstrate evidence of development of competencies in the areas of scope, time and cost management. Topics include:

- Business Case Development
- Project Failure
- Large and Multiple Projects
- International Project Teams
- Organisational Learning
- Corporate Law
- Systems Practice
- Organisational Design
- Performance and Benefit Measurement
- Project Management Methodology (PRINCE2)
- Systems and Data Integration
- Project Managing Events

Textbooks

None

PMGT6870
Master Knowledge in Project Management
Engineering and Information Technologies

Credit points: 6 **Teacher/Coordinator:** Coordinator: Prof Kim Rasmussen **Session:** Semester 1, Semester 2 **Classes:** on-line **Prerequisites:** PMGT6867, PMGT6868 & PMGT6869 **Assessment:** A series of case study based team assignments, A Learning Journal, Final Report, 3 hr written exam and Viva. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert P M, Grad Dip P M, M E S, M P M.

The aims are to develop high-level competency for very senior project executives to use at the strategic level of an organisation. The areas addressed also improve the overall skills and practice of those who implement portfolios and programmes that support organisational strategy. Much of this material builds on that read in PMGT6867, PMGT6868 and PMGT6869.

Topics include:

- Strategic Risk and Opportunity Management
- Mergers and Acquisitions
- Outsourcing
- Stakeholder Management
- Governance and Probity
- Portfolio and Programme Management
- Strategic Planning
- Management of Organisational Change
- Benefit and Value Realisation Improving Shareholder Value

Textbooks
None

PRDU5003
Graduate Nursing Fieldwork in Australia
Nursing and Midwifery

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1a, Semester 1b, Semester 2a, Semester 2b **Classes:** Clinical practice **Assessment:** Clinical performance reports **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Nursing PG Ndg, PG Coursework Exchange.

This unit will provide students undertaking graduate nursing studies with opportunities to experience a range of practice envinroments appropriate to their area of study. Students will attend on campus seminars and workshops followed by supernumerary placements in appropriate practice environments. The unit is designed to provide opportunities for students to study their chosen specialty in a different professional environment and to further develop an understanding of the cultural and political issues underpinning their practice.

PRDU5004
Extended Graduate Nursing Fieldwork
Nursing and Midwifery

Credit points: 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1a, Semester 1b, Semester 2a, Semester 2b **Classes:** Clinical practice **Assessment:** Clinical performance reports **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: Nursing PG Ndg, PG Coursework Exchange.

This unit will provide students undertaking graduate nursing studies with extended opportunities to experience a range of practice environments appropriate to their area of study. Students will attend on campus seminars and workshops followed by supernumerary placements in appropriate practice envinroment(s). The unit is designed to provide opportunities for students to study their chosen specialty in a different professional envinroment for an extended period of time and to further develop an understanding of the cultural and political issues underpinning their practice.

PREL4001
Project 1
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Up to 3x8 hour courses at the Student Learning Centre. Individual supervision. **Assessment:** 5000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Preliminary), PG Coursework Exchange.

Students work on a major project relevant to their proposed area of research in the MMus and attend courses in research and academic writing.

PREL4002
Project 2
Sydney Conservatorium of Music

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Up to 3x8 hour courses at the Student Learning Centre. Individual supervision. **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Preliminary), PG Coursework Exchange.

This course supplements Masters Preliminary - Project 1. Students continue work on a major project relevant to their proposed area of research in the MMus and attend courses in research and academic writing.

PREL4003
Elective A
Sydney Conservatorium of Music

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** Up to 2 hours per week. **Assessment:** To be negotiated according to student need. Normally 2000 word essay or equivalent depending on the course taken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Preliminary), PG Coursework Exchange.

Students enrol in areas which will assist their proposed research area. Courses taken within this unit will be recommended by the relevant Chair of Unit.

PREL4004
Elective B
Sydney Conservatorium of Music

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** Up to 2 hours per week. **Assessment:** To be negotiated according to student need. Normally 2000 word essay or equivalent depending on the course taken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Preliminary), PG Coursework Exchange.

Students enrol in areas which will assist their proposed research area. Courses taken within this unit will be recommended by the relevant Chair of Unit.

PREL4005
Elective C
Sydney Conservatorium of Music

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** Up to 2 hours per week. **Assessment:** To be negotiated according to student need. Normally 2000 word essay or equivalent depending on the course taken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Preliminary), PG Coursework Exchange.

Students enrol in areas which will assist their proposed research area. Courses taken within this unit will be recommended by the relevant Chair of Unit.

PREL4006
Elective D
Sydney Conservatorium of Music

Credit points: 3 **Session:** Semester 1, Semester 2 **Classes:** Up to 2 hours per week. **Assessment:** To be negotiated according to student need. Normally 2000 word essay or equivalent depending on the course taken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus (Preliminary), PG Coursework Exchange.

Students enrol in areas which will assist their proposed research area. Courses taken within this unit will be recommended by the relevant Chair of Unit.

PRFM5900
Contemporary Performance
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** Workshop report (25%) - 1500 word assignment, based on practical workshops undertaken with performing artists in residence; essay (75%) - 3500 word essay focusing on key aesthetic and political concerns of postmodern performance and the explication of these issues via some performance analysis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit examines the history, development and theoretical influences on contemporary performance genres, with a specific focus on what is happening in Sydney at venues such as Performance Space and Artspace. We will take advantage of the Department's artists-in-residence program to develop analyses, and a practical understanding of how new work is developed.

PRFM5902
Rehearsal Studies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Rossmanith **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** Reading tasks/Journal (30%) - 1500 words. Each week, during the first half of the semester, students are given a brief task relating to their set reading (eg write a 250 word precis of an article; attempt briefly to apply the author's argument to a different genre of performance etc). Draft responses to these tasks are discussed in class. Students will then re-draft and submit all tasks as a journal. Research essay (70%) - 3000 words. Students submit at the end of semester an essay in which they critique several published accounts of theatre rehearsal processes, drawing on arguments they will have encountered in set readings and other texts about ethnographic research methods. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit prepares students for the task of observing and analysing rehearsal practices (or training, creative development etc) in theatre and other genres of aesthetic performance. We will canvass some of the key theoretical and methodological issues of ethnographic research, not only through readings but also through practical tasks involving video recordings of rehearsal, prompt books and other materials held in the department's unique archive. This unit is a pre-requisite for those students undertaking PRFM5903 Rehearsal to Performance.

PRFM5903
Rehearsal to Performance
Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Rossmanith **Session:** Semester 2 **Classes:** 3 hours per week, weeks 1 - 6 of semester + rehearsal observation of up to 35 hours - see Requirements: Additional Information **Prerequisites:** PRFM5902 Rehearsal Studies **Assessment:** Formative assessment and casebook plan (25%) - 1000 words. During weeks 1-5 of semester, students practice writing fuller versions of their fieldwork notes and submit summaries of any major categories that emerge during the process of 'coding' their notes. In week 6, they submit a detailed plan for their rehearsal casebook. Casebook (75%) - 4000 words.The casebook is essentially a small-scale ethnography of the rehearsal practices observed in the mid-year break (July). This account will be a blend of illustrative description and analytical commentary, detailing some of characteristics of this particular rehearsal. Students will be explaining the 'culture' of this rehearsal, the ways in which people worked together, the aesthetic and pragmatic criteria which informed their decision-making, problems encountered, solutions found etc. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students are required to attend 2 weeks of rehearsals during July prior to commencement of semester 2 classes. This rehearsal observation provides essential preparatory work to undertake the unit of study.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, PG Coursework Exchange.

This unit is structured around a rehearsal process occurring in the mid-year break (July) and involving performing artists in residence at the Department's Rex Cramphorn Studio. Students attend rehearsals full time for two weeks, documenting the process and writing up their observations as ethnographic fieldnotes. Seminars during semester provide an opportunity for students to 'unpack' this experience and to develop strategies for turning fieldnotes into a more detailed, coherent and analytical casebook.

PRFM6900
Theatre and Community Development
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 2 **Classes:** 2 hours per week during weeks 1 and 2, then 4 days of intensive workshops and seminars @ 7 hours per day 24 - 27 September **Assessment:** Reading tasks and online discussion (10%); analysis of CCD Project Evaluation (30%) involving oral presentation and the submission of a 1000 word report; research essay and/or 'action/research' assignment (60%) - 3000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Cert P A C S, Grad Dip Arts, Grad Dip Dv St, Grad Dip P A C S, M A, M Dv St, M P A C S, PG Coursework Exchange.

This unit offers 'hands-on' training in a range of theatre techniques (eg. Boal's "Theatre of the Oppressed") tailored to the needs of teachers and community workers involved in peace-building, human rights campaigns, health promotion, youth work and other 'community cultural development' activities. Along with practical theatre facilitation skills, the unit provides a rigorous critique of the political/educational philosophies underpinning the practice and an overview of key debates regarding the funding and evaluation of arts-based community development projects.

PSTY5005
Psychotherapy Treatise A
Medicine

Credit points: 12 **Session:** Semester 1, Semester 2 **Assessment:** Treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Students should only enrol in this unit if they do not complete their treatise during sessions 5 and 6.

PSTY5006
Psychotherapy Treatise B
Medicine

Credit points: 12 **Session:** Semester 1, Semester 2 **Assessment:** Treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Students should only enrol in this unit if they do not complete their treatise during sessions 5, 6 and 7.

PSTY5101
Psychotherapy 1A
Medicine

Credit points: 12 **Session:** Semester 1 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision (1.5 hours every week for whole semester). **Assessment:** Assessment undertaken on completion of PSTY5102 (i.e. at end of first year): clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape. During the first year supervision will be conducted either individually or in small

groups of two candidates for one and a half hours per week. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5102
Psychotherapy 1B
Medicine

Credit points: 12 **Session:** Semester 2 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision (1.5 hours every week for whole semester). **Assessment:** Assessment for both PSTY5101 and PSTY5102: clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5103
Psychotherapy 2A
Medicine

Credit points: 12 **Session:** Semester 1 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision. **Assessment:** Assessment undertaken on completion of PSTY5104 (i.e. at end of second year): clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5104
Psychotherapy 2B
Medicine

Credit points: 12 **Session:** Semester 2 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision. **Assessment:** Assessment for both PSTY5103 and PSTY5104: clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5105
Psychotherapy 3A
Medicine

Credit points: 12 **Session:** Semester 1 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision. **Assessment:** Assessment undertaken on completion of PSTY5106 (i.e. at end of third year): treatise (approximately 7000 words); clinical case presentation to the members of the Faculty. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5106
Psychotherapy 3B
Medicine

Credit points: 12 **Session:** Semester 2 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision (1.5 hours every week for whole semester). **Assessment:** Assessment for both PSTY5105 and PSTY5106: treatise (approximately 7000 words); clinical case presentation to the members of the Faculty. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Psychotherapy), M Sc Med (Psychotherapy).

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current

psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSYC4500
Research Project (A)
Science

Credit points: 10 **Session:** Semester 1 **Classes:** One 1 hour class per week. **Corequisites:** PSYC4501 **Prohibitions:** PSYC4710 **Assessment:** 9000 word report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Ed, B A (Psych), B Ed, B Sc (Psych), Grad Dip Sc (Psych).

This is the largest single component of the Graduate Diploma program. The Research Project is a yearlong component and is intended to demonstrate the capability of students to conceive and carry out original high level research. The Research Project is supervised by either a member of the academic staff or an approved supervisor from outside the School. Each supervisor has nominated a specific research area on which a small group of students will work. Each student in the research group must generate their individual hypothesis or hypotheses and prepare and submit their own independently written report, although a single experiment/survey will be carried out and the collection of data and data sets may be shared. A completed draft of each student's report will be read by the supervisor prior to the writing of a final version. The text of the report must not exceed 9000 words in length (excluding abstract, tables, appendices and references).

PSYC4501
Psychological Research Methods
Science

Credit points: 8 **Session:** Semester 1 **Classes:** 44 hours per semester. **Prohibitions:** PSYC4711 **Assumed knowledge:** Nothing in excess of requirements set for admission into the GradDipSc(Psych) programme **Assessment:** EDSA - examination; FRM - class quiz and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Ed, B A (Psych), B Ed, B Sc (Psych), Grad Dip Sc (Psych).

The aim of the Experimental Design and Statisitical Analysis component of this course is to expand the menu of statistical tools available to students for their research, and to develop their understanding of the conceptual bases of these tools. Tutorial work will involve exposure to the features available in a large statistical package (SPSS) while at the same time reinforcing the concepts discussed in lectures. The aim of the Field Research Methods is to: develop students' awareness of the methods of field research in Psychology; to encourage a critical evaluation of the methods and develop an awareness of the problems in obtaining accurate field research data; to encourage a creative attitude and awareness of ways in which these problems might be overcome; overall, to develop students' expertise in carrying out quality field research and to be a critical consumer of others' field research.

The lecture series, supplemented by other reading, follows a progressive consideration of all stages that may be encountered in a field research project, from decisions on the appropriate statement of the research problem, methods of gathering data, sampling procedures, coding of data, etc. The tutorial sessions utilise a series of in class and out of class exercises to give students a "hands on" awareness of the methods, problems and developing solutions in the field research process.

PSYC4502
Ethics
Science

Credit points: 2 **Session:** Semester 2 **Classes:** One 1 hour lecture per week for 7 weeks. **Prohibitions:** PSYC4712 **Assessment:** Examination (1.5 hours) 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Ed, B A (Psych), B Ed, B Sc (Psych), Grad Dip Sc (Psych).

This unit covers current ethical and professional issues in Psychology. Lectures concerning current ethical and professional issues will be given by Psychologists working in a range of professional settings, such as clinical, counselling, organizational, assessment, educational, health and research settings. The lecturers will discuss professional and ethical issues that commonly arise in these settings.

Textbooks
APS Code of Conduct for Psychologists. Other references vary with topics covered each year.

PSYC4503
Special Fields Topic
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 1 hour seminar per week for 12 weeks. **Prohibitions:** PSYC4715, PSYC4719 **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Ed, B A (Psych), B Ed, B Sc (Psych), Grad Dip Sc (Psych).

Students choose one of the topics available. The research seminar areas currently available are: Conceptual Foundations of Quantitative Methods, Current Approaches in Advanced Social Psychology, Current Controversies in Developmental Psychology, Eating and Weight-Related Issues, Health Psychology, Intelligence and Cognitive Abilities, Neuropsychological Rehabilitation, Learning, Models of Anxiety and Depression, Mysteries of the Mind, Neuroscience, Research in Counselling Psychology, Theory and Systems, Visual Neuroscience and Perceptual Systems, which are also offered as part of the Psychology Honours program. This list could change subject to staff availability.

PSYC4505
Research Project (B)
Science

Credit points: 10 **Session:** Semester 2 **Classes:** One 1 hour supervision per week. **Prerequisites:** PSYC4500 **Prohibitions:** PSYC4720 **Assessment:** 9000 word report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Ed, B A (Psych), B Ed, B Sc (Psych), Grad Dip Sc (Psych).

See description under Research Project A (PSYC4500).

PSYC4506
Health and Safety Psychology Issues
Science

Credit points: 6 **Session:** Semester 2 **Classes:** 25 hours per semester. **Prohibitions:** PSYC4716 **Assessment:** Class presentation (25%) and take-home exam (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Sc (Psych).

This unit will elucidate the principles of health psychology (which is concerned with human behaviour in the context of health & illness), via critical evaluation of their relevance to various health problems.

Topics covered include risk perception, genetic counseling and testing, health and illness behaviour, psychosocial predictors of disease development and outcome, psychosocial interventions, doctor-patient communication and end-of-life issues.

PSYC4507
Counselling Psychology
Science

Credit points: 6 **Session:** Semester 2 **Classes:** 25 hours per semester. **Prohibitions:** PSYC4717 **Assessment:** Examination and seminars **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Ed, B A (Psych), B Ed, B Sc (Psych), Grad Dip Sc (Psych).

The weekly meetings will consist of lectures, seminar papers, discussions, role plays and demonstrations. The main aim of the course is to consider the application of general skills and theories of counselling to specific areas of counselling.

Topics will be selected from those listed below on the basis of the experience and interests of the class members.

Defining counselling. Skills oriented models of individual counselling and the organizing principles of counselling as proposed by various theoretical viewpoints. Relational counselling: Extending theories and principles of individual counselling to relational work and issues. Practice: Applying counselling theory and skills in various community settings; Industry, education, personal growth, vocational guidance, rehabilitation, health, grief, contemporary issues (eg. domestic violence, suicide), multicultural issues. Professional issues: Supervision; burnout; ethics; professional associations; using research to guide and inform counselling practice.

Textbooks
Corey, G. (2001). Theory and Practice of Counseling and Psychotherapy. Brooks-Cole.
Egan, G. (2001). The Skilled Helper: A Problem Management Approach to Helping. Brooks-Cole.

PSYC4508
Psychology of Addiction
Science

Credit points: 6 **Session:** Semester 2 **Classes:** 25 hours per semester. **Prohibitions:** PSYC4718 **Assessment:** Essay and examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Sc (Psych).

The unit is concerned with addictive behaviours such as smoking, alcohol consumption, illicit drug use, eating, gambling, and playing computer games. The unit begins with a critical examination of the meaning of 'addiction'. The remainder of the unit is divided between addictive behaviour where drugs are not involved (so-called 'psychological addictions') and addictive behaviour where consumption of drugs is involved (so-called 'drug addictions'). The focus of the first segment on psychological addiction is the question of whether such behaviour meets the criteria for description as addictive, and what is gained by broadening or weakening the notion of addiction to include psychological addiction. The behaviours used as the primary examples of psychological addictions are excessive eating and pathological gambling. The focus of the second segment on drug addiction is the biology, pharmacology, genetics and socio-political climate of drug consumption. Emphasis is placed on the question of whether nicotine is an addictive substance. Throughout the unit, there is a strong emphasis on clinical aspects of addictive behaviour and preferred treatment options. The unit is intended to be a useful introduction to students who are contemplating a career in drug and alcohol work, in addictions counselling and in the treatment of pathological gambling.

PSYC4721
Theories & Techniques of Coaching Psych
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 3 hour lecture per week. **Assessment:** Written papers (essay, journal or case study) and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Psych Coach), Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

This unit outlines the emergence of Coaching from its roots in personal development, sports coaching, management consulting, clinical and counselling psychology, and details the fundamental models and techniques of coaching. Theories and techniques will be evaluated by reference to empirical research and conceptual analysis. Drawing on a broad base of established Behavioural Science, primary attention will be paid to cognitive-behavioural and solution-focused theories and techniques of behaviour change and their application to coaching clients. We will also evaluate key popular psychological approaches to coaching and personal development. Each weekly seminar has a lecture component and an experiential learning component. The experiential learning component requires students to evaluate each week's topic in relation to their own personal life experience and to participate in group discussion and coaching practice.

PSYC4722
Fundamentals of Coaching Practice
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block teaching. **Corequisites:** PSYC 4721. **Assessment:** Written papers (essay, journal or case study) and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert App Sc (Psych Coach), Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

This unit teaches the Fundamentals of coaching, and lays the foundations for sound contemporary practice. Drawing on established approaches (e.g. Egan, 1974; Whitemore, 1992) students will be trained in the core micro skills of coaching. The unit details key coaching strategies in relation to common applications of coaching; workplace coaching, executive coaching, and personal or life coaching. Core issues relating to mental health problems and coaching practice are addressed, and we explore the essentials of professional practice development/ marketing and Ethical (ICF) practice. Each seminar has a lecture component and an experiential learning component. The experiential learning component requires students to evaluate each topic in relation to their own personal life/work experience and to participate in group discussion. Practical experience of self-coaching and co-coaching are central aspects of this unit, students will apply self-coaching strategies to their own lives. This unit is run in a block teaching format.

PSYC4723
Socio-cognitive Issues in Coaching Psych
Science

Credit points: 6 **Session:** Semester 1 **Classes:** Block teaching with some evening tutorials. **Prerequisites:** PSYC (4721 and 4722 and either 4724 or 4728) **Assessment:** Written papers (major and minor essay) and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Psych Coach), Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

The aim of this unit is to give students an understanding of key socio-cognitive issues related to coaching and behaviour change The focus of the unit is on critical appraisal of theory and the relation of theory to practice and research. Topics covered in this unit include models of self-regulated behaviour, personality type, the relationships between emotion, cognition and behaviour, and the roles of learnt resourcefulness, learned optimism, psychological mindedness, self-reflection and insight in behaviour change. The unit also critically evaluates contemporary understandings and assessments of emotional intelligence. Current topics and research methods in coaching psychology are also examined. Each weekly seminar has a lecture component and an experiential learning component. The experiential learning component requires students to evaluate each topic in relation to their own personal life/work experience and to participate in group discussion. This unit is run in a block teaching format.

PSYC4724
Coaching Practice: Co-Coaching & Groups

Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 3 hour lecture per week. **Prerequisites:** PSYC (4721 and 4722) **Assessment:** Written papers (case study and learning journal) and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Psych Coach), Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

Students will consolidate the theory and skills acquired in PSYC4721 and PSYC4722 through a semester-long coaching practicum. Using real-life issues in a supportive and confidential environment, students will coach each other in a structured solution-focused personal coaching program based on the material taught in previous units of study. This unit gives students experience in being both a coach and a client. A key component of this course will be feedback from the lecturer on students' coaching styles, skills and other relevant issues. As such this unit provides students with the opportunity to embed and develop their coaching skills. Case studies and case presentations will form part of the unit.

PSYC4725
Assessment and Selection
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture per week. **Prerequisites:** PSYC (4721 and 4722 and either 4724 or 4728) **Assessment:** Take home exam, Selection Case Study and Design of assessment program. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M Coaching, Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

This unit will introduce students to some of the major assessment instruments used in coaching psychology. This unit does not accredit students to administer any of the instruments examined in this unit of study. Rather the unit focuses both on critical evaluation of assessment instruments and on fostering an understanding of where each may be best utilised. Assessment instruments include: NEO 4; 16PF5; Myers Briggs Type Inventory; the DISK; Human Synergistics; BarOn EQI; WAIS; MMPI; Self-directed Search; Strong Interest Inventory; Multi-factor Leadership Questionnaire.

PSYC4726
Foundational Psychology for Coaching
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hrs/week **Assessment:** Two essays and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M Coaching, Grad Dip App Sc (Psych Coach), M Appl Sc (Psych Coach).

This unit is a pre-requisite for all students who do not have a 3-year psychology degree and who are enrolled in the Human Resource Management and Coaching program through the Faculty of Economics and Business. This unit will provide students with a foundational knowledge of the theoretical and applied aspects of organisational and coaching psychology. Topics covered include fundamentals of learning; the basic dimensions of coaching psychology (individual differences in ability, personality, attitudes); methods and techniques in coaching psychology (research and practice; basic statistical methods) and an introduction to ethical coaching practice and the Ethical Code of the International Coach Federation. This course provides students with the essential framework from which to undertake further studies in Human Resource Management and Coaching. Participation in a self-coaching program is a central part of the experiential learning section of this program.

PSYC4727
Coaching in Organisations
Science

Credit points: 6 **Session:** S1 Intensive **Classes:** Four Day Seminars: Block Teaching. **Prerequisites:** PSYC4721 and PSYC4722 and PSYC4724 **Assessment:** A written coaching proposal (3,000 words) (50%), take home exam and written assignment (1,000 words) (35%), in-class exam (short answer and multiple choice) (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert H R M Coaching, Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

Executive and management coaching have emerged as key factors in the enhancement of performance within organisations and corporations. This unit examines key issues in contemporary executive and management coaching and equips students with the knowledge and skills to provide world-class executive and management coaching. The emphasis is on critical evaluation of theory and application to practice. Although primarily focused on solution-focused and cognitive-behavioural approaches to executive coaching, psychodynamic (e.g. Kilburg) and systems (e.g. O'Neil) approaches are also considered. The course covers issues in senior executive coaching, coaching middle management, establishing manger-as-coach programs and coaching in the workplace.

PSYC4729
Groups, Teams and Systems
Science

Credit points: 6 **Session:** Semester 2 **Classes:** One 3 hour lecture per week. **Prerequisites:** PSYC (4721 and 4722 and either 4724 or 4728) **Assessment:** Written papers (major essay, minor essay) and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M Coaching, Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

Coaching always takes place within the context of human systems, be they family, social networks, or workplace organisations. This unit of study considers both the theory and practice of working in human systems. At the theoretical level, students undertaking this unit will consider the major theoretical advances which aid our understanding of groups and complex human systems. These will include systems theory and complexity theory as well as major research findings in group and team dynamics. Students will also consider the practical implications of these theoretical approaches to coaching within organisations. Issues surrounding self organisation, leadership and control, and the management of change in complex adaptive systems will also be discussed. Students will design and facilitate a small group coaching program. This unit is run in a block teaching format.

PSYC4730
Personal and Work/Life Coaching
Science

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture per week. **Prerequisites:** PSYC (4721 and 4722 and either 4724 or 4728) **Assessment:** Written papers (Essays or case studies) and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M Coaching, Grad Dip App Sc (Psych Coach), Grad Dip Org Coaching, M Appl Sc (Psych Coach).

This unit of study considers both the theory and practice of coaching adults in relation to work/life issues. Self-directed career development and imposed career transitions are important issues increasingly faced by adults. In addition, work/life balance is recognised as being an important factor in creating and maintaining well-being. Thus personal (or life) coaches have a major role to play. This unit of study details the role of the personal coach, and gives students an introduction to major theoretical perspectives on work/life balance, and career development theory and practice. Students will study key psychological theories of adult development as they relate to personal (or life) coaching practice. The perspectives covered include Work Adjustment Theory, Trait and Type Theory, and Life Span Theory. The course will focus on coaching clients through important work/life transitions, with an emphasis on understanding individual differences in relation to gender, age and personality.

PSYC5010
Health Psychology in Clinical Practice
Science

Credit points: 6 **Session:** Semester 1 **Classes:** 1 one hour lecture, two hours of tutorials per week **Assessment:** Tutorial attendence and presentation, major assignment - 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (Health Psych).

The work of health psychologists relies on a broad range of professional skills and attributes. The aim of this unit of study is to conceptually define health within a biopsychosocial framework and to present some of the psychological reactions to hospitalisation, illness and pain. This unit of study provides students with an introduction to key areas of health psychology, and demonstrates how they relate to other disciplines. It also considers the context within which treatment takes place. This unit of study will explore mental and physical diseases. This unit of study examines the application of psychology in clinical settings. The unit of study considers the application of psychological theory to illness and preparation for hospitalisation; the management of adverse psychological sequelae arising from hospitalisation; and rehabilitation.

PSYC5011
Applying Models of Health Behaviour
Science

Credit points: 6 **Session:** Semester 2 **Classes:** 1 one hour lecture and two hours of tutorials per week **Assessment:** Presentation of intervention, write up of intervention **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (Health Psych), Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

The student will be given the opportunity to develop an intervention based on social cognitions models. The process can be followed from start to finish allowing the individual to utilise knowledge and skills gained in other units of study. It is an intended outcome for students enrolled in the MApplSc (HealthPsych) that students can demonstrate an understanding of the key models and theories in Health Psychology which are seen by many to be the foundations of the subject area. The aim of this unit of study is to allow students to identify an area of Health Psychology where an intervention would be appropriate, review existing literature on the topic, formulate the intervention, and evaluate the intervention on a pilot level.

PSYC5012
Advanced Communication Skills
Science

Credit points: 6 **Session:** S2 Intensive **Classes:** lectures, seminars and role play. This unit will be taught in block intensive mode over five days **Assessment:** Role play examination, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Appl Sc (Health Psych).

In this unit of study students will consider risk communication, health professional skills, empathy, breaking bad news and interaction analysis. This unit of study seeks to develop a critical awareness of the psychological aspects of the health care contexts. The unit of study will investigate: health professional-patient communication and implications for patient adherence to treatment programmes and patient satisfaction; the impact of psycho-social and physical aspects of hospitalisation on patients and health care professionals; effects of representations and perceptions of illness and symptoms on decision making and health related behaviour. Patient interaction with the health care system is an important issue across a range of facets of health care provision. The aim of this unit of study is to provide students with a comprehensive understanding of the key issues related to the nature of and outcome form patient interaction with health care provision.

PSYC5013
Coping and Adjustment to Illness
Science

Credit points: 6 **Session:** Semester 1 **Classes:** 1 one hour lecture and two hours of tutorials per week **Assessment:** Formal examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (Health Psych).

The unit of study aims to apply a psychosocial perspective to the study of disability and chronic disease. In this unit, students will consider the impact of acute and chronic illness states (including physical and mental illness) on the patient and their family. Aspects of quality of life affected will be considered, including sexuality, body image, fatigue, existential crisis, social and intimate relationships, physical reactions and spirituality. The impact of formal and informally systems of social support on illness and outcomes will be explored. The unit will incorporate evaluation of research methods used in such studies together with the application of health psychology theory and a critical examination of research findings. Relationships between health cognitions, health behaviour and psychological adjustment will be an important theme of the unit of study, as will be a consideration of interventions to improve patient well being. Broad social, cultural, and political aspects of disability and acute and chronic disease will also be examined. The rise in number of people suffering from or caring for someone who has a chronic condition has proved to be a major challenge facing health psychologists. The impact on and needs of carers and family members will also be considered in this unit of study.

PSYC5014
Developments in Health Psychology
Science

Credit points: 6 **Session:** Semester 1 **Classes:** tutorials- three hours per week **Assessment:** one major assignment - 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (Health Psych).

The purpose of this unit of study is to allow the student to choose a topic of particular relevance to their areas of expertise. It will allow the student to examine new developments within Health Psychology which may impact on their clinical or work practice.

PSYC5015
Research Project
Science

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** The student will use as many of the identified sessions as s/he wishes for collection of data, preparation of the project etc under the supervision of their research supervisor. Lectures are voluntary, and are designed to cover common problems. The majori **Prerequisites:** all of PSYC5010, PSYC5011, PUBH5018 and BACH5268; plus 12 credit points of electives. Students must have a distinction average in the prerequisite units. **Assessment:** Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Health Psych).

The student will be given the opportunity to carry out a substantial piece of research in the field of health psychology. The research process can be followed from start to finish allowing the individual to utilise knowledge and skills gained in other unit of study. It is an intended outcome for students enrolled in the MApplSc (HealthPsych research stream) that they present evidence of their capacity to conduct a substantial piece of independent research that builds clearly upon their prior learning and which draws upon appropriate methodologies. The aim of this unit of study is to allow students to identify a research issue, review existing literature on the topic, formulate novel research questions, and test these questions through the application of contemporary psychological methodologies and appropriate data-analytic procedures.

PSYC6003
Clinical Internship 1
Science

Credit points: 3 **Teacher/Coordinator:** Dr Caroline Hunt and Ms Judy Hyde **Session:** Semester 1, Semester 2 **Classes:** 2 three hour and 4 four hours of core clinical skills training; 13 four hour clinical observation per semester, 6 three hour clinical skills training. **Assessment:** Attendance; Observation report; Clinical log **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C P.

This unit of study is designed to introduce students to the work of clinical psychologists. The internship will expose students to a range of clients with different mental health needs, both in the Psychology Clinic and in hospital settings. The internship will strengthen theory-practice links, by exposing students to the range of mental health problems faced in clinical settings. In addition, core clinical skills will be developed. Skills in micro-counselling and

cognitive-behavioural interviewing are reviewed and practiced. Diagnostic assessment, mental status examination and cognitive behavioural case formulation are taught with a view to developing individual treatment plans.

PSYC6004
Ethics and Professional Practice
Science

Credit points: 3 **Teacher/Coordinator:** Prof Stephen Touyz **Session:** Semester 1 **Classes:** 7 three hour lectures and 1 three hour workshop per semester. **Assessment:** Child protection assignment; clinical viva. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N, D C P.

This unit of study will introduce students to the highest standards of ethical and clinical practice and familiarise them with relevant legislation pertaining to contemporary practice in clinical psychology. These wide ranging seminars will cover New South Wales Psychologists Registration Board, Guardianship Tribunal and College of Clinical Psychologists of the Australian Psychological Society.

PSYC6005
Research 1
Science

Credit points: 3 **Teacher/Coordinator:** Dr Louise Sharpe **Session:** Semester 1 **Classes:** 13 one hour seminars per semester. **Assessment:** Attendance, Research Proforma. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N, D C P.

Students will attend the research forum. Students will attend the School Colloquium. During first semester, students should be thinking about the particular area in which they would like to complete their research. Students should approach academic staff in the School of Psychology about potential projects. At the end of semester students must submit the research proforma. We aim to ensure that students are able to undertake research in the area of their choice with a chosen supervisor. However, supervisor availability will affect availability. Students will be informed at the beginning of second semester of the supervisor who they have been allocated.

PSYC6009
Case Seminars 2
Science

Credit points: 3 **Teacher/Coordinator:** Prof Stephen Touyz **Session:** Semester 2 **Classes:** 13 one hour seminars per semester. **Prerequisites:** PSYC6029 **Assessment:** Attendance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This unit of study will continue the seminars introduced in PSYC6029 Case Seminars 1. This unit of study will comprise formal weekly presentations of cases seen in the course of Clinical Internships by Year 3 students. All students are required to attend throughout the semester.

PSYC6010
Research 2
Science

Credit points: 3 **Teacher/Coordinator:** Dr Louise Sharpe **Session:** Semester 2 **Classes:** 13 one hour seminars per semester. **Prerequisites:** PSYC6005 **Assessment:** Attendance, research proposal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N, D C P.

Students will attend the research forum which will feature the presentation of special research-relevant topics. Students will consolidate their research plan and develop a 3-4 page written proposal for their research project. Students will be expected to attend the School of Psychology Colloquium.

PSYC6013
Clinical Internship 3
Science

Credit points: 3 **Teacher/Coordinator:** Dr Louise Sharpe **Session:** Semester 1, Semester 2 **Prerequisites:** PSYC6008, PSYC6007, PSYC6049 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This unit of study is designed to introduce students to therapy and psychological assessment skills for working specifically with young people and their families. Students will be allocated to a supervisor who will oversee their clinical practice closely. This internship will expose students to clients with psychological problems in mild to moderate clinical range. The internship builds student's confidence in working with young clients of school age. In addition, this unit will allow students to build on their previous work with adults. Specifically, students will continue to work half a day per week with adult clients in the internal clinic. Interns will be able to work more independently at this stage of their training.

PSYC6014
Case Seminars 3
Science

Credit points: 3 **Teacher/Coordinator:** Prof Stephen Touyz **Session:** Semester 1 **Prerequisites:** PSYC6009 **Assessment:** 2 case reports, Attendance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This unit of study builds upon previous semesters where second year students will present a clinical case for discussion. Assessment of this unit of study is by detailed case reports.

PSYC6015
Research 3
Science

Credit points: 3 **Teacher/Coordinator:** Dr Louise Sharpe **Session:** Semester 1 **Prerequisites:** PSYC6010 **Assessment:** Attendance, Research presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N, D C P.

Students will attend the research forum. Students will attend the School Colloquium. Students will present the rationale, aims, hypotheses, and plan of their proposed research project at the research forum, which will include research supervisors, staff of the CPU and other School academic staff as appropriate. During this semester, students will be expected to commence the collection of data. Students will also be guided through the process of submitting an Application for Ethical Approval.

PSYC6029
Case Seminars 1
Science

Credit points: 3 **Teacher/Coordinator:** Prof Stephen Touyz **Session:** Semester 1 **Classes:** 13 one hour seminars per semester. **Assessment:** Attendance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

Attendance at the case seminars introduces students to history taking, conducting a mental status examination, formulation, diagnosis and treatment. These clinical case conferences will allow students to recognise a wide range of psychiatric diagnoses, the interrelationships between medical illness and psychiatric/psychological symptomatology as well as working within a multidisciplinary framework.

PSYC6030
Paediatric Neuropsychological Disorders
Science

Credit points: 6 **Teacher/Coordinator:** Dr Suncica Sunny Lah **Session:** Semester 2 **Classes:** 13 three hour lectures per semester. **Prerequisites:** PSYC6052 **Assessment:** Written assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This unit will familiarise students with core neurobehavioural issues of medical conditions affecting the central nervous system in children. Principles and factors that influence the outcome in a developing organism, such as the state of CNS development, psychological/cognitive maturity at the time of insult, plasticity (vulnerability) and impact of the child's environment will be discussed in a range of disorders. In addition to research findings a number of clinical case presentations will be discussed.

PSYC6031
Family Therapy
Science

Credit points: 3 **Teacher/Coordinator:** Dr Paul Rhodes **Session:** Semester 2 **Classes:** 4 six hour seminars per semester. **Prerequisites:** PSYC6049 **Assessment:** 2 Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This course serves as an introduction to family therapy with an emphasis on practical interviewing and intervention skills from a wide range of models of family therapy including systemic and structural family therapy, and brief solution-focussed and narrative therapy.

PSYC6032
Adult Health Psychology
Science

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Hunt **Session:** Semester 1 **Classes:** 6 six hour lectures per semester. **Prerequisites:** PSYC6051 **Assessment:** Attendance; presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This course aims to understand the relationships between psychological and physical functioning across a range of medical disorders and the way in which cognitive and behavioural factors influence psychological and physical functioning of those with health related problems. The course will be concerned with theories and interventions that promote health related behaviours and improve quality of life for people with medical problems. The course will aim to investigate theories and practice in the areas of adjustment to illness, adherence to medical treatments, working with patients with chronic illness, facilitating doctor-patient communication and dealing with death and dying. In addition, the psychological issues relevant to particular illnesses will be discussed.

PSYC6033
Issues in Rehabilitation
Science

Credit points: 3 **Teacher/Coordinator:** Dr Diana Caine **Session:** Semester 1 **Classes:** 2 seven hours of seminars per semester. **Assessment:** Written assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This course will cover theories of recovery from brain damage from a variety of causes; models of rehabilitation; management of the behavioural consequences of neuropsychological disorders including behaviour modification and environmental manipulation strategies; working in a multidisciplinary team; rehabilitation in the context of acute and chronic neuropsychological disorders.

PSYC6034
Neuropsychology Clinical Internship 1
Science

Credit points: 3 **Teacher/Coordinator:** Dr Diana Caine **Session:** Semester 1 **Classes:** 24 fourteen hour practicals per semester. **Assessment:** Attendance, practical; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This unit of study is designed to introduce interns to the work of clinical psychologists. Interns will be rotated through the Psychology Clinic and Clinics at Royal Prince Alfred, and Westmead Hospitals to observe Clinical Neuropsychologists and Clinical Psychologists in practice. The internship will expose Interns to a range of clients with different needs.

PSYC6035
Neuropsychology Clinical Internship 2
Science

Credit points: 3 **Teacher/Coordinator:** Dr David Horry **Session:** Semester 2 **Classes:** 24 fourteen hour practicals per semester. **Prerequisites:** PSYC6034, PSYC6002, PSYC6051 **Assessment:** Attendance, practical; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This course is designed to introduce interns to neuropsychological assessment skills and therapy specifically with adults. Interns will be allocated in pairs to a supervisor who will oversee their clinical practice closely. This internship will expose Interns to clients with neuropsychological problems in the mild clinical range including mild head injury, questionable neurodegenerative disease, and adult learning disabilities. The internship is aimed at building Intern's confidence in working with adult clients. Students will learn to develop hypotheses about cognitive disorders, select appropriate tests, and conduct and interpret test results in the form of clinical case reporting.

PSYC6036
Neuropsychology Clinical Internship 3
Science

Credit points: 3 **Teacher/Coordinator:** Dr Suncica Sunny Lah **Session:** Semester 1 **Classes:** 24 fourteen hour practicals per semester. **Prerequisites:** PSYC6035 **Assessment:** Attendance, practical; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C N.

This unit is designed to introduce new Interns to neuropsychological assessment in relation to young people and their families. Interns will be allocated to a supervisor in pairs. The internship will allow students to develop skills in the formulation of hypotheses about the nature of the disorder, select appropriate tests to undertake examination of the child, interpret the test results, formulate a diagnosis and communicate the outcome of the assessment to the client, their families and schools, as appropriate.

PSYC6037
Neuropsychology Clinical Internship 4
Science

Credit points: 3 **Teacher/Coordinator:** Prof Stephen Touyz **Session:** Semester 2 **Classes:** 24 fourteen hour practicals per semester. **Prerequisites:** PSYC6036 **Assessment:** Attendance, practical; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C N.

Students will undertake clinical internships in a variety of hospital settings with a view to developing skills and expertise in the conduct of neuropsychological assessments. This internship is designed to consolidate Intern's clinical and diagnostic skills.

PSYC6040
Neuropsychology Case Seminars 1
Science

Credit points: 3 **Teacher/Coordinator:** Dr Suncica Sunny Lah **Session:** Semester 1 **Classes:** 13 one hour seminars per semester. **Assessment:** Attendance; case report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This course introduces students to history taking, data interpretation, and differential diagnosis in a neuropsychology setting. It will comprise a 1-hour weekly seminar at which students will observe senior students, staff and clinicians in the field presenting neuropsychological case material.

These clinical case conferences will allow students to recognise a wide range of neuropsychological diagnoses, the interrelationships

between neuropsychological, neurological and psychiatric symptomatology.

PSYC6041
Neuropsychology Case Seminars 2
Science

Credit points: 3 **Teacher/Coordinator:** Dr Diana Caine **Session:** Semester 2 **Classes:** 13 one hour seminars per semester. **Prerequisites:** PSYC6040 **Assessment:** Attendance; case report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This course description is the same as in Neuropsychology Case Seminars 1.

PSYC6042
Neuropsychology Case Seminars 3
Science

Credit points: 3 **Teacher/Coordinator:** Dr Suncica Sunny Lah **Session:** Semester 1 **Classes:** 13 one hour seminars per semester. **Prerequisites:** PSYC6041 **Assessment:** Attendance; case report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

These units of study build upon the previous semesters.

PSYC6046
Seminars in Clinical Neuropsychology
Medicine

Credit points: 3 **Teacher/Coordinator:** Dr Diana Caine **Session:** Semester 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

Year 2 students will be required to attend specialist seminars. There will be no formal assessment of these units but attendance is obligatory.

PSYC6047
Seminars in Clinical Neuropsychology Adv
Medicine

Credit points: 3 **Teacher/Coordinator:** Dr Diana Caine **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

Year 2 students will be required to attend specialist seminars. There will be no formal assessment of these units but attendance is obligatory.

PSYC6048
Neuroanatomy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 2 **Classes:** 13 x 2hr lecture, 13 x 4hr tutorial over 6 weeks **Assessment:** 1 exam, 1 spot test, Mid-semester quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

The lectures and tutorials will provide a general overview of human neuroanatomy, of the structure and function of the brain systems being considered, and the opportunity to learn to identify those structures.

PSYC6049
Child Psychological Disorders
Science

Credit points: 6 **Teacher/Coordinator:** Dr David Hawes **Session:** Semester 2 **Classes:** 6 six-hour lectures per semester **Prerequisites:** PSYC6051 **Assessment:** Case study; formal evaluation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This course introduces current perspectives on child and adolescent psychopathology, examining the historical development and current status of theory and practice. Core theories are presented within a developmental-ecological framework, and examined in relation to the etiology and course of common internalising and externalising disorders. Skills training addresses basic family consultation as well as multi-method forms of assessment (e.g., Interviewing, observation, self-report) and intervention (e.g., Parent skills training, individual and group child therapy). Attention is also given to essential aspects of professional practice related to school and community contexts, ethics, and the scientist-practitioner model.

PSYC6051
Adult Psychological Disorders
Science

Credit points: 6 **Teacher/Coordinator:** Dr Maree Abbott **Session:** Semester 1 **Classes:** 13 one hour lectures and 13 three hour practicals per semester. **Assessment:** Formal examination; clinica viva **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N, D C P.

This course is designed to introduce students to the nature of therapeutic work with common psychological problems of adulthood, through a series of lectures and practical skills based sessions. Skills training in cognitive behavioural strategies are combined with theoretical knowledge about different disorders to form strong theory-practice links. Emphasis is placed upon the learning of strong practical skills in the application of evidence-based therapies to the common psychological disorders encountered in adulthood, such as anxiety disorders, mood disorders and eating disorders.

PSYC6052
Adult Neuropsychological Disorders
Science

Credit points: 6 **Teacher/Coordinator:** Dr Diana Caine **Session:** Semester 1 **Classes:** 13 three hour lectures per semester. **Prerequisites:** PSYC6002 **Assessment:** Written essay; formal examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This unit provides a comprehensive introduction to cognitive, behavioural and emotional correlates of neurological disorders. Students will be introduced to a theoretical approach to the principal cognitive domains - memory, language, visual cognition, attention and executive function, and emotive - and their neuroanatomical substrates. This will provide the conceptual framework for consideration of a number of major neuropsychological conditions including amnesic disorders, visual agnosias, visuospatial disturbances including heminattention, problems with language, and disorders of attention and executive function. Each lecture will take the format of a theoretical component accompanied by illustrative case studies.

PSYC6054
Neuropsychopathology
Science

Credit points: 3 **Teacher/Coordinator:** Dr Suncica Sunny Lah and Dr David Horry **Session:** Semester 2 **Classes:** 13 one hour lectures per semester. **Assessment:** Essay; formal examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N, D C P.

This unit of study is concerned with principles of neuropsychology and their clinical applications. It aims to develop students' understanding of functional brain organisation, recovery of function and rehabilitation. In addition, it introduces students to the behavioural and cognitive correlates of a range of neurological and medical conditions (including traumatic brain injury, epilepsy, diabetes, etc.) in children and adults. Students will learn to recognise the cognitive profiles and behavioural disorders associated with a variety of neurological and medical conditions, understand the neurological basis for these profiles and know how to assess patients with these disorders. Lectures will include theoretical components, case presentations and discussions.

PSYC6055
Advanced Adult Psychological Disorders

Science

Credit points: 6 **Teacher/Coordinator:** Dr Maree Abbott **Session:** Semester 1, Semester 2 **Classes:** 7 six hour lectures per semester. **Prerequisites:** PSYC6051 **Assessment:** Formal examination; attendance at and report from mental health tribunal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: D C P.

The advanced adult therapy component will cover major mental health problems such as schizophrenia, bipolar disorder, anorexia nervosa, drug and alcohol problems and disorders of impulse control. It will also include a workshop on working with older adults and cover issues that relate to the Mental Health Review Tribunal process. Students will gain exposure to the Mental Health Review Tribunal process via direct observation as part of this unit.

PSYC6056
Advanced Seminars
Science

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Hunt **Session:** Semester 2 **Classes:** 6 six hour seminar, 1 four hour seminar per semester **Prerequisites:** PSYC6051 **Assessment:** Attendance; presentation; written assignment; clinica viva **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This course is designed to provide interns with advanced level training in psychotherapeutic approaches. The advanced level seminars will include Schema Therapy, Integrated Approaches to Psychotherapy and may include from time to time, seminars by visiting clinical academics with expertise in specific therapeutic approaches.

PSYC6058
Clinical Internship and Case Seminars 6
Science

Teacher/Coordinator: Prof Stephen Touyz and Ms Judy Hyde **Session:** Semester 1, Semester 2 **Classes:** 13 one hour seminars, 24 fourteen hour practicals per semester. **Assessment:** Attendance, practical; 2 case reports; contract; mid-internship review, end of internship review **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C P.

This course provides students with a range of therapy and assessment experiences in accordance with their clinical and research interests. The specific nature of learning outcomes will depend upon the setting for the internship, the client group and the nature of the clinical work. Students will also attend the clinical case seminars and present for discussion complex clinical cases which pose either diagnostic dilemmas or difficulties in treatment.

PSYC6059
Neuropsychology Internship & Seminars 5
Science

Teacher/Coordinator: Dr Diana Caine **Session:** Semester 1 **Classes:** 13 one hour seminars, 24 fourteen hour practicals per semester. **Assessment:** Attendance, practical; case report; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C N.

This unit of study, following on from PSYC6037 Neuropsychology Clinical Internship 4, is designed to build on the clinical skills of students in further areas of practice and interns will be expected to work with a greater level of independence. Students will undertake clinical internships with a view to developing skills and expertise in the conduct of neuropsychological assessments in a variety of clinical settings. For these external internships, interns will have the choice of a variety of internships in the community or hospital setting. Internships will be developed in major teaching hospitals and rehabilitation settings. A training plan will be developed for each intern and allocations will be made on the basis of that training plan. This unit of study will also build upon previous units of study by students presenting a case in the Neuropscyhology Case Seminars.

PSYC6060
Neuropsychology Internship & Seminars 6
Science

Teacher/Coordinator: Dr Diana Caine **Session:** Semester 2 **Classes:** 13 one hour seminars, 24 fourteen hour practicals per semester. **Assessment:** Attendance, practical; case report; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C N.

This unit of study, following on from PSYC6059 Neuropsychology Internship & Seminars 5, is designed to build on the clinical skills of students in further areas of practice and interns will be expected to work with a greater level of independence. Students will undertake clinical internships with a view to developing skills and expertise in the conduct of neuropsychological assessments in a variety of clinical settings. For these external internships Interns will have the choice of a variety of internships in the community or hospital setting. Internships will be developed in major teaching hospitals and rehabilitation settings. A training plan will be developed for each intern and allocations will be made on the basis of that training plan. This unit of study will also build upon previous units of study by students presenting a case in the Neuropsychology Case Seminars.

PSYC6061
Clinical Internship and Case Seminars 5
Science

Teacher/Coordinator: Prof Stephen Touyz and Ms Judy Hyde **Session:** Semester 1, Semester 2 **Classes:** 13 one hour seminars, 24 fourteen hour practicals per semester. **Assessment:** Attendance, practical; 2 case reports; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C P.

This course provides students with a range of therapy and assessment experiences in accordance with their clinical and research interests. The specific nature of learning outcomes will depend upon the setting for the internship, the client group and the nature of the clinical work. Students will also attend the clinical case seminars and present complex clinical cases for discussion which pose either diagnostic dilemmas or difficulties in treatment.

PSYC6063
Neuropsychology Case Seminars 4
Science

Teacher/Coordinator: Dr Diana Caine **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C N.

This unit of study builds upon previous semesters where second year students will present a clinical case for discussion. Assessment of this unit of study is by detailed case reports.

PSYC6064
Paediatric and Developmental Disorders
Science

Credit points: 6 **Teacher/Coordinator:** Dr Paul Rhodes and Dr David Hawes **Session:** Semester 1 **Classes:** 6 six hour lectures per semester **Prerequisites:** PSYC6049 **Assessment:** One 2500 word essay, Presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This unit of study introduces students to specialised fields of paediatric psychology related to 1) Maltreatment (abuse and neglect), 2) Developmental disorders (intellectual disability, autism, tic disorders, metabolic disorders), 3) Acute and chronic illness, and 4) Problems of adolescence (substance abuse, eating disorders, cutting, suicidality). Teaching will address current etiological theories and models for intervention, as well as aspects of professional practice and issues related to the multidisciplinary management of problems in these populations.

PSYC6065
Psychological Assessment

Science

Credit points: 6 **Teacher/Coordinator:** Dr Suncica Sunny Lah and Dr David Horry **Session:** Semester 1 **Classes:** 13 three-four hour lectures per semester. **Assessment:** two practical reports, two clinical skills assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

This course introduces students to the basic theory and the general practice of neuropsychological assessment in children and adults. It will foster clinical approach that relies on integration of information obtained from a clinical history with results obtained on testing. It will develop conceptual framework for understanding of core developmental disorders and assesment of these disorders. The course will focus on the following components of cognition: intelligence, memory, attention, executive abilities and achievement. Students will be taught how to administer, score and interpret a variety of tests in these areas; and how to report the results in written form.

PSYC6066
Clinical Internship and Case Seminars 4
Science

Teacher/Coordinator: Prof Stephen Touyz and Ms Judy Hyde **Session:** Semester 1, Semester 2 **Classes:** 13 one hour seminars, 24 fourteen hour practicals per semester. **Corequisites:** PSYC6013 or PSYC6068 **Assessment:** Case presentation; Attendance, practical; 2 case reports; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D C P.

Students are introduced to a range of experiences in hospitals and community settings in accordance with their clinical and research interests. One of the three internships will be specifically tied to the student's research project to allow them to specifically develop skills relevant to research with that particular clinical population. One of the three internships should also be with a client group with general psychiatric problems. One of the three internships should be with a child, adolescent or family client group. The specific nature of learning outcomes will depend upon the setting for the internship, the client group and the nature of the clinical work. Choices for internships will be made in collaboration with the unit coordinator, who will work with students to develop individually tailored training plans. Students will also attend the clinical case seminars.

PSYC6067
Clinical Internship 2
Science

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Hunt and Ms Judy Hyde **Session:** Semester 1, Semester 2 **Classes:** 18 seven hour practicals per semester. **Prerequisites:** PSYC6065, PSYC6051, PSYC6003 **Assessment:** Attendance, practical; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C P.

This unit of study is designed to introduce students to therapy and psychological assessment skills for working with adults and with children and their families. Students will be allocated to a supervisor who will oversee their clinical practice closely. This internship will build student's confidence in working with psychological problems in the mild to moderate clinical range. It will allow students to develop skills in the identification of clinical problem, the communication of a formulation and treatment plan and the conduct of the plan. Students may also have the opportunity to develop skills in working with groups.

PSYC6068
Clinical Internship 3
Science

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Hunt and Ms Judy Hyde **Session:** Semester 1 **Classes:** 18 fourteen hour practicals per semester. **Prerequisites:** PSYC6065, PSYC6049, (PSYC6008 or PSYC6067) **Assessment:** Attendance, practical; contract; mid-internship review, end of internship review. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Associated degrees: D C P.

This unit of study is designed to further develop students' competence in therapy and psychological assessment skills for working with adults and young people and their families. Students will be allocated to a supervisor who will oversee their clinical practice closely. This internship will expose students to clients with psychological problems in mild to moderate clinical range. Interns will be able to work more independently at this stage of their training.

PUBH5010
Epidemiology Methods and Uses
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Alex Barratt, Dr Tim Driscoll **Session:** Semester 1 **Classes:** 1x1hr lecture and 1x2hr tutorial per week for 13 weeks - lectures and tutorials may be completed online **Prohibitions:** BSTA5011 **Assessment:** 1x4page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Biostat, Grad Cert Clin Epi, Grad Cert P H R M, Grad Dip Biostat, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, M Appl Sc (Health Psych), M Bi.

This unit provides students with core skills in epidemiology, particularly the ability to critically appraise public health and clinical epidemiological research literature. This unit covers: study types; measures of frequency and association; measurement bias; confounding/effect modification; systematic reviews screening and test evaluation; infectious disease outbreaks; measuring public health impact and use and interpretation of population health data. It is expected that students spend an additional 2 hours preparing for their tutorials.

Textbooks
Webb, PW. Bain, CJ. and Pirozzo, SL. Essential Epidemiology: An Introduction for Students and Health Professionals: Cambridge University Press 2005.

PUBH5014
Social Research Methods
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Susan Quine **Session:** S1 Intensive **Classes:** 1x2day workshop **Prohibitions:** PUBH5016 **Assessment:** Construction of a questionnaire and supporting documents (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit is only for those who commenced the Master or Graduate Diploma in Public Health prior to 2005 and have not completed PUBH5016. Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

Associated degrees: Grad Cert P H R M, Grad Dip P H, M Int P H, M P H, M P H (Honours).

This unit introduces students to quantitative and qualitative methods used in the social sciences, and to provide 'hands on' experience of selected methods. This unit covers an introduction to the methods of the social sciences; observation - theory and practice; interviews - theory and practice; focus groups - theory; content and discourse analysis - theory and practice; questionnaire design I - question wording, major defects, modes of administration; questionnaire design II - format and layout; pilot testing, introductory letter/preamble. This workshop includes a theoretical and practical component. The workshops are interactive with students encouraged to ask questions and to complete relevant activities.

Textbooks
A manual containing readings and presentation handouts is provided.

PUBH5015
Public Health Principles and Practice
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Jim Gillespie, Dr Kirsten Howard **Session:** Semester 1 **Classes:** On-line lectures, face to face large group interactive sessions (fortnightly), on-line quizzes **Assessment:** 2xtake home exam (80%), topic and content quizzes (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M M (Clin Epid), M P H, M P H (Honours), M Sc M (Clin Epid).

This unit aims to provide students with an understanding of principles and practices of public health, in the local and global context. It also aims to introduce students to different ways of thinking about both economic and applied policy and about specific problems in environmental health and communicable diseases Candidates will gain an understanding of the patterns of health in the community and the biological and environmental determinants of health. Within the context of the burden of disease in Australia, case studies in communicable diseases and environmental health, both core functions of a public health system, will be used as a means of modelling ways of thinking about the structures, processes and outcomes of health systems. Students will have the opportunity to apply these core conceptual approaches to a range of current problems based on public health practice.

Textbooks

Compulsory text book: Lin V, Smith J, Fawkes S 2007: Public Health Practice in Australia: the organized effort. Sydney: Allen and Unwin. Readings are available on the Unit's WebCT site.

PUBH5016
Society, Behaviour and Public Health
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Simon Chapman, Associate Professor Susan Quine **Session:** Semester 1 **Classes:** 3x1day intensive workshops, plus 2hr per week lectures and discussions (online or face to face) for 13 weeks **Assessment:** Modules 1 and 3: 1x1000word assignments (70%) and participation in workshops and online discussion (30%); Module 2: Questionnaire design (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M M (Clin Epid), M P H, M P H (Honours), M Sc M (Clin Epid).

The unit consists of three modules: Sociology, Social Research Methods and Health Promotion. The aims of the unit include: providing students with an understanding of the role of the behavioural and socio-cultural determinants of health and the principles of qualitative scientific research and design; involving students in the analysis of public health research and evaluation projects; giving students an overview of, and skills in, health promotion and advocacy; giving candidates an opportunity to apply these concepts to authentic problems based on public health practice. This unit includes: an introduction to the role of the social sciences in public health; the study of behavioural and socio-cultural determinants of health; social science research methods; the use of qualitative information to describe and elucidate public health patterns and trends; a review and critical appraisal of public health research and research literature; health advocacy and health promotion. By the end of this unit the candidate will have acquired the theoretical background and practical skills to take up a position in a Commonwealth or State Health Department or Public Health Unit.

Textbooks

Module 2: Course notes provided. Modules 1 and 3: Readings are provided on the unit's WebCT site.

PUBH5017
Public Health Program Evaluation
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman **Session:** Semester 2 **Classes:** 8-10 hours of self directed learning and online discussions per week for 13 weeks **Prerequisites:** PUBH5010 and PUBH5018 and PUBH5015 and PUBH5016 **Assessment:** 1x5 page assignment (35%), 1x2500-3000word assignment (35%) and online discussion and participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M P H, M P H (Honours).

This online unit aims to: develop skills in public health planning, evaluation and research. There is an emphasis on programs that address nutrition, physical activity and obesity related problems, but many other content areas will be used as examples. The course goal is to understand program evaluation from a public health practice and research methodological perspective. The course will complement other courses in epidemiology or qualitative research methods, in bringing these together around assessing population-level program effects. The unit comprises five modules of work, including: principles of public health program (PHP) evaluation; research designs and methodological issues for PHP evaluation; measurement issues in assessing and monitoring public health programs; analysis and interpretation of PHP evaluation data, and 'putting it altogether'- the use of evaluation data to critically appraise and improve interventions. This unit will be jointly offered by the University of Sydney and the University of Queensland via WebCT. Access to the instructors and other students will be substantial through structured bulletin board discussions, collaborative activities and feedback on assessments. Students must have reasonable weekly access to a computer with an internet connection in order to undertake the unit.

Textbooks

Recommended: Nutbeam D, Bauman A. Evaluation in a nutshell. McGraw Hill Sydney (2006). Practical Evaluation of Public Health Programs PHTN Course VC-0017. Centers for Disease Control and Prevention. Atlanta and the Association of Schools of Public Health. 2002 Univ of Texas, Houston.

PUBH5018
Introductory Biostatistics
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Petra Macaskill, Dr Timothy Dobbins **Session:** Semester 1 **Classes:** 2x2hr lecture, 10x1hr lectures, 11x2hr tutorials, 2x1hr and 8x0.5hr statistical computing self directed learning tasks over 12 weeks **Assessment:** 1x4page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Appl Sc (Health Psych), Grad Cert Clin Epi, Grad Cert P H R M, Grad Cert V P H, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, H Sc D, M Int P H.

This unit aims to provide students with an introduction to statistical concepts, their use and relevance in public health. This unit covers descriptive analyses to summarise and display data; concepts underlying statistical inference; basic statistical methods for the analysis of continuous and binary data; and statistical aspects of study design. Specific topics include: sampling; probability distributions; sampling distribution of the mean; confidence interval and significance tests for one-sample, two paired samples and two independent samples for continuous data and also binary data; correlation and simple linear regression; distribution-free methods for two paired samples, two independent samples and correlation; power and sample size estimation for simple studies; statistical aspects of study design and analysis. Students will be required to perform analyses using a calculator and will also be required to conduct analyses using statistical software (SPSS). It is expected that students spend an additional 2 hours per week preparing for their tutorials. This unit may be undertaken in face to face or online/distance mode. Computing tasks are self-directed.

Textbooks

Course notes are provided.

PUBH5019
Cancer Prevention and Control
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Monica Robotin **Session:** Semester 2 **Classes:** 3hr per week online lectures, discussion and other activities for 13 weeks **Prerequisites:** PUBH5010 **Assessment:** 2x2000word assignments (60%), online participation (30%) and short answers, mini paper (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M P H, M P H (Honours).

This unit aims to provide students with specific information on the concepts, methods and applications underpinning cancer prevention and control at population level. It is designed to address specific educational needs of students in various programs within the School of Public Health and to offer a broad-based perspective on cancer control, ranging from primary prevention, screening and early intervention, tertiary prevention and palliative care. Emphasis will be given to cancers with the greatest impact at population level and where evidence demonstrates that policies and interventions are capable of reducing cancer incidence, mortality, prolonging survival and improving

quality of life. Although focusing on specific Australian conditions, the information will be presented in the context of regional cancer control efforts. At the completion of the unit, students will be equipped with the basic tools to design, plan, implement and evaluate cancer control programs in Australia or their own countries.

Textbooks
Readings will be available on the WebCT site for this unit.

PUBH5020
Chronic Disease Prevention and Control
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Monica Robotin **Session:** Semester 2 **Classes:** 24 hrs online lectures; 12 hrs online discussion **Prerequisites:** PUBH5010 **Assessment:** assignments (60%), online short questions (10%), on-line tutorials (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Clin Epi, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip P H, Grad Dip Sc Med (Clin Epi), M Int P H, M M (Clin Epi), M M (Clin Epid), M P H, M Sc M (Clin Epid), M Sc Med (Clin Epi).

This course offers a broad-based integrated perspective on chronic disease prevention. The course reviews the epidemiology of selected chronic diseases with the highest impact at population level in Australia (coronary heart diseases, including ischaemic heart disease, stroke and hypertension; chronic lung disease; diabetes and end stage renal disease.)

Teaching will focus on the interrelationships between the biological and epidemiological aspects of chronic diseases, estimating the burden of disease in developed and developing countries and exploring their application to disease prevention. The course will examine modalities to assess and compare the magnitude of risks, evaluate the effectiveness of risk reduction interventions and examine the process of developing policies and effective interventions.

Textbooks
None; resources available online.

PUBH5021
Global Obesity and Disease Prevention
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman, Ms Lesley King **Session:** Semester 2 **Classes:** 1x2day intensive workshop, plus weekly online lectures and facilitated web-based classroom discussion and online student postings every week, for 10weeks **Assessment:** 1x1000wd short assignment (25%), 1x2500wrd assignment (50%), participation in online discussion (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Ex & Sp Sc (Clin Ex Sc), M Int P H, M P H.

This unit of study provides an overview of public health issues related to obesity and chronic disease prevention in developed and developing countries. It examines the epidemiology of obesity in children and adults, including measurement and population-level trends. Causes of the global obesity epidemic, including behavioural, social and environmental causes, as well as current knowledge regarding effective preventive interventions and solutions are explored. The course will develop students' skills in analysing international and national prevention programs and policies related to the development of obesity. Energy imbalance, increased physical inactivity and increased food consumption, is discussed. Students will develop and apply knowledge to designing public health surveillance systems to monitor obesity, and to develop interventions in diverse social, cultural and community contexts. The course will reflect the roles of government and NGOs in obesity prevention. The context of obesity in non-communicable disease prevention will utilise international health perspectives, including the WHO 2004 Global Strategy on Diet, Physical Activity and Health. The links with non-communicable disease (diabetes, metabolic and cardiovascular health) are emphasised. A cross-disciplinary approach will be taken, with input from urban and transport planning, food industry and regulation, public health law, economics, and the media.

Textbooks
Course notes will be provided.

PUBH5022
Physical Activity and Public Health
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman, Dr Heather Bowles, Dr Hidde van der Ploeg **Session:** Semester 2 **Classes:** 1x2day intensive workshop, weekly online lectures and online discussion for 8 weeks **Assumed knowledge:** Prior research methods coursework at a master's level, similar to PUBH5010 Epidemiology Methods and Uses at the University of Sydney. **Assessment:** 1x2500word assignment (50%), 1x1000word assignment (20%), participation in online discussion (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Ex & Sp Sc (Clin Ex Sc), M Int P H, M P H.

This is an innovative unit [without precedent in Australia]. It addresses the important health risk factor of physical inactivity, and considers: [i] the epidemiology of physical inactivity globally, [ii] measurement and public health surveillance of physical activity, [iii] correlates and determinants of inactivity in adults and children, [iv] population-level interventions and settings for targeting physical inactivity, and [v] physical activity policy development and advocacy, and [vi] global issues in physical activity and disease prevention. The course will build on introductory public health core units of study, and apply them to a consideration of physical activity and public health. The evidence for health and social benefits and reasons for inactivity will be considered, as well as evidence-based strategies and settings for increasing physical activity at the population level. The course will consider the differences between local-level 'exercise programs' and large-scale public health efforts, and develop an understanding of policy and advocacy as applied to physical activity promotion. A multi-sectoral approach will be taken to the promotion of physical activity, drawing from the health and non-health sectors. Specific skills will be developed in physical activity research, surveillance and in the application of epidemiological methods to studies of physical activity and health.

Textbooks
Bauman A, Owen N, Bull F. Physical Activity and Public Health, (in press 2008), Human Kinetic publications.

PUBH5023
Promoting Just Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Ms Marilyn Wise **Session:** Semester 2a **Classes:** intensive workshop + face-to-face normal delivery hours **Assessment:** 1x3000wd assignment (80%), tutorial and workshop participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip P H, Grad Dip Sc Med (Clin Epi), M Int P H, M M (Clin Epi), M M (Clin Epid), M P H, M Sc M (Clin Epid), M Sc Med (Clin Epi).

Health promotion is the process of enabling people to increase control over their health and its determinants. As a discipline health promotion has been effective in contributing to improvements in the health of populations over the last three decades. However, it has not been effective in reducing or even eliminating unjust inequalities in health. This paradox can be explained by the relationship between the social and behavioural determinants of health. It poses significant challenges for health promotion and for its practitioners, researchers, policy makers and managers. The course will introduce students to the characteristics of effective health promotion; the technology, theory, and processes that have proven to be effective. Students will also analyse the reasons for failure. Focusing on three priority problems, students will apply the health promotion technology and processes to define problems, their causes/determinants, and to select effective responses. Students will explore the implications of these analyses for policy, practice, and evaluation. The course will invite students to reflect on the values and cultural/political perspectives that influence decision making within the health sector and in the population. It will introduce students to methods with which to work effectively to ensure that their work in health promotion contributes to building political and social equality as indirect prerequisites for health.

Textbooks

Notes will be distributed in class.

PUBH5101
Special Project in Public Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 1, Semester 2 **Assessment:** 1x4000word written report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Associated degrees: Grad Cert P H R M, Grad Dip P H, M P H, M P H (Honours).

The aim of this unit is to systematically complete a self-directed project in one of the main content areas of the course. Students should contact an academic staff member associated with the area of their project and negotiate the details of the project design.

PUBH5102
Special Project in Public Health
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 1, Semester 2 **Assessment:** 1x2000word written report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Associated degrees: Grad Cert P H R M, Grad Dip P H, M P H, M P H (Honours).

The aim of this unit is to systematically complete a self-directed project in one of the main content areas of the course. Students should contact an academic staff member associated with the area of their project and negotiate the details of the project design.

PUBH5110
Introduction to Public Health Nutrition
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Karen Webb **Session:** Semester 2 **Classes:** 2hr of online learning activities and discussions per week for 13 weeks **Assessment:** 2x2000word assignments (70%) and online discussion and participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

Associated degrees: Grad Cert P H R M, Grad Dip P H, M P H, M P H (Honours).

This fully online unit is intended for public health students, including specialists and non-specialists in nutrition. On completion, students will be able to work at entry level as members of a team, on programs which may address public health nutrition problems in Australia or in a developing country. Students will develop and apply skills in nutrition program planning, including needs assessment, priority setting, problem analysis, the application of health promotion theories to nutrition programs and policies. The unit will also develop skills in selecting promising interventions from among a broad range of public health approaches to address nutrition problems, setting program objectives and analysis of program logic. Students will be introduced to various global nutrition issues, influences on food choice and eating behaviour; understanding the food and nutrition system; characteristics of successful programs and policies. Access to the instructor and other students will be substantial through structured bulletin board discussions. Students must have reasonable weekly access to a Web browser in order to undertake the unit.

Textbooks
A study guide with readings is provided.

PUBH5111
Environmental Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Ms Christine Cowie **Session:** Semester 2 **Classes:** Mixed mode of online lectures with some face-to-face/online case studies (13 sessions of 2 hours) **Assessment:** 2xwritten assignments (45% each) and case study participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip P H, M E S, M P H, M P H (Honours).

This unit aims to develop an understanding of environmental hazard identification and risk assessment and for students to understand the principles of hazard regulation and control. The unit will explore the major categories of environmental health hazards such as air quality; water & food quality; chemical hazards eg contaminated sites; physical hazards eg noise and radiation; and microbiological hazards eg Legionnaires' disease. It will use the disciplines of epidemiology, toxicology and ecology to characterise risks associated with these hazards and will explore various approaches to managing the risks. In studying this unit students will appreciate the multi-disciplinary nature of environmental health concerns and the need to work closely with external agencies. Regional and global issues of sustainability, climate change and land use planning will also be addressed.

Textbooks
Basic Environmental Health. Yassi, A et al. Oxford University Press, 2001; Environmental Health in Australia and New Zealand. Edited by Nancy Cromar, Scott Cameron and Howard Fallowfield, Oxford University Press, 2004.

PUBH5113
International Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Mu Li, Dr John Hall **Session:** Semester 2 **Classes:** 1x2hr seminar per week for 13 weeks **Assessment:** 1x40 min group presentation (20%), peer evaluation (5%), 1x2500 word individual essay (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip P H, M P H, M P H (Honours).

This unit aims to give students an insight into the realities of prevention and control of diseases and injury and of health promotion in developing country populations based on real examples, presented by a wide range of people with direct practical experience. The unit covers a variety of issues in health and development disease prevention and control and health services in developing country settings.

Textbooks
Unit notes supplied by School

PUBH5114
Alcohol, Drug Use and Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Dr Elizabeth Proude **Session:** Semester 2 **Classes:** 13 weeks of 1x2hr teaching sessions and associated online activities. The teaching sessions are a combination of face to face and online seminars. Students not able to attend face to face sessions can do the entire course online. **Prohibitions:** PUBH5115 **Assessment:** 2x1500word assignments (70%), online or face to face seminar participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip P H, M P H, M P H (Honours).

This unit aims to assist students in developing an evidence-based understanding of the epidemiology of alcohol and drug use and its impact on health, and the effectiveness of methods for prevention and management of related problems. This fuller drug and alcohol elective covers all the content of PUBH5115 and goes on to assist the student to develop more advanced skills in research and in management of clinical services in relation to alcohol and drug use disorders, and to examine the needs of special populations.

Textbooks
Readings are available on the unit's WebCT site.

PUBH5115
Alcohol, Drug Use and Health
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Dr Elizabeth Proude **Session:** Semester 2a **Classes:** 7 weeks of 1x2hr teaching

sessions and associated online activities. The teaching sessions are a combination of face to face and online seminars. Students not able to attend face to face sessions can do the entire course online. **Prohibitions:** PUBH5114 **Assessment:** 1x1500word assignment (70%), online or face to face seminar participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to assist students in developing an evidence-based understanding of the epidemiology of alcohol and drug use and its impact on health, and the effectiveness of methods for the prevention and management of related problems.

Textbooks
Readings are available on the unit's WebCT site.

PUBH5116
Genetics and Public Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Bruce Armstrong **Session:** S2 Late Int **Classes:** 1x3day workshop **Assessment:** 3x30min online quiz (30%), 1x1000word group work proposal (35%) and 1xtake home exam (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip P H, M Int P H, M P H, M P H (Honours).

This unit caters for practitioners, policy and decision-makers, students and researchers in public health, public policy, journalism, law, epidemiology, medicine, science, industry, ethics, philosophy, communication and advocacy. The unit gives a basic introduction to genetics and genetic epidemiology and covers issues like genetic determinants of disease, genetic testing and screening, psychosocial, legal and ethical aspects of genetics and genetic testing, genetic education and genetics and public policy.

Textbooks
Readings are available on the unit's WebCT site.

PUBH5117
Communicable Disease Control
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Bradley Forssman, Dr John Hall **Session:** Semester 2 **Classes:** 1x2hr online lecture and 2hrs online group discussion per week for 12 weeks **Assessment:** online discussion and other online activities (20%), online quiz (10%), and 2x1500 word written assignments (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Med (Paed), Grad Dip Infn Imm, Grad Dip Int P H, Grad Dip Med (Paed), Grad Dip P H, M Int P H, M M (Clin Epid), M M (Paed), M P H, M P H (Honours), M Sc M (Clin Epid).

This fully online unit aims to provide students with an understanding of the burden of communicable diseases of public health significance in Australia, as well as the biology, epidemiology and surveillance for and control of those communicable diseases. By the end of this unit, the student will have the theoretical background to take up a position as a member of a Communicable Diseases section of a Commonwealth or State Health Department or Public Health Unit. It is expected that the students undertake an extra hour per week of reading, research and preparation for discussion.

Textbooks
Recommended: Heymann. David L. (2004): Control of communicable diseases manual. American Public Health Association. Other readings provided on the course WebCT site.

PUBH5118
Aboriginal Health Promotion
Medicine

Credit points: 4 **Teacher/Coordinator:** Mr Shane Hearn **Session:** Semester 2b **Classes:** 1x2day workshop, 7 weeks x 2 hr lectures **Assessment:** 1x2000wd essay (70%), workshop participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip P H, Grad Dip Sc Med (Clin Epi), M Int P H, M M (Clin Epi), M M (Clin Epid), M P H, M Sc M (Clin Epid), M Sc Med (Clin Epi).

While many positive political, social and legal changes have taken place recently, the inescapable fact after 220 years of colonisation is that the gap in regard to health between Aboriginal and non-Aboriginal populations is remarkably large. The unit will provide students with an opportunity to gain an understanding of the history and culture of Aboriginal people. It is hoped that students will utilise this understanding to effect more congenial and productive relations with Aboriginal people in the community, and within the spheres of their chosen professions. During the unit students are encouraged to enquire about Aboriginal people and culture, and to analyse the the major factors that influence Indigenous health issues, the relationship between these factors, their impact on health and to identify and discuss possible solutions to address the health disparities between non-Indigenous and Indigenous populations in Australia.

Textbooks
Course reader will be provided.

PUBH5201
Research Design in Epidemiology
Medicine

Credit points: 2 **Teacher/Coordinator:** Professor Robert Cumming **Session:** S2 Intensive **Classes:** 1x2day workshop **Prerequisites:** PUBH5010 and PUBH5018 **Assessment:** 1x2000word paper (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M M (Clin Epid), M M (STD/HIV), M P H, M P H (Honours), M Sc M (Clin Epid), M Sc M (STD/HIV).

The aim of this unit is to provide students with the skills and knowledge to design epidemiological studies. It covers epidemiological study types; designing studies to minimize bias; practical aspects of study design; special topics: genetic epidemiology, survey design. Learning will take place through a combination of formal presentations by epidemiologists, small group work and presentation by students. Students will work in groups to design studies to address real research questions. The workshop will conclude with short presentations by epidemiologists involved with real studies concerned with these same research questions.

PUBH5204
Advanced Epidemiological Concepts
Medicine

Credit points: 2 **Teacher/Coordinator:** Professor Les Irwig **Session:** Semester 2b **Classes:** 1x2hr seminar per week for 7 weeks **Prerequisites:** PUBH5010 **Corequisites:** PUBH5211 and PUBH5212 **Assessment:** 1x1500word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, M M (Clin Epi), M M (Clin Epid), M M (STD/HIV), M P H, M P H (Honours), M S, M Sc M (Clin Epid), M Sc M (S.

This unit is for those who wish to take their conceptual understanding of epidemiological concepts to a higher level, it is suitable for students who have achieved high grades in the prerequisites At the end of this unit students should be able to detect important but subtle biases in papers or research proposals, quantitatively explore the possible effects of biases on alternative study designs and direct their own continuing education in epidemiological methodology. Content covered in this unit includes: measurement error; confounding, effect-modification and modeling; case-control study design; surrogate endpoints, genetic epidemiology. This unit consists of discussion sessions prompted by pre-circulated exercises to explore the implications of bias or choice of study designs, often using quantitative examples. Participants are expected to actively participate, discuss their ideas and present material at all sessions. Preparation time for each session is about 2-3 hours.

Textbooks
Students will be provided with a recommended readings and exercises.

PUBH5205
Decision Analysis
Medicine

Credit points: 2 **Teacher/Coordinator:** Prof John Simes, Alison Griffiths and Sally Lord **Session:** Semester 2b **Classes:** 1x2hr lecture per week for 6 weeks **Assessment:** 1xquiz (20%) and 1 written assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, M M (Clin Epi), M M (Clin Epid), M M (STD/HIV), M P H, M P H (Honours), M S, M Sc M (Clin Epid), M Sc M (S.

This unit examines quantitative approaches to public health and clinical decision-making. Topics of study include: decision trees and health related utility assessment; incorporating diagnostic information in decision making; sensitivity and threshold analysis and application of decision analysis to economic evaluation. Exercises are set at the end of most sessions and are reviewed at the start of the following session. Readings are also set after most sessions. Preparation time for each session is 1-2 hours. The fifth session comprises a quiz followed by a 1hr practical in the computing room using a decision analysis software package.

PUBH5206
Controlled Trials
Medicine

Credit points: 2 **Teacher/Coordinator:** Ms Adrienne Kirby, Ms Peta Forder **Session:** S2 Intensive **Classes:** 2x1day workshops **Assessment:** Assessment will be based on a multiple choice examination (40%) and a short take home question (60%). In addition, students will be required to contribute to class discussions based on material reviewed prior to classes. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, M M (Clin Epi), M M (Clin Epid), M M (STD/HIV), M P H, M P H (Honours), M S, M Sc M (Clin Epid), M Sc M (S.

This unit introduces important issues in trial design, protocol development, ethics and principles of analysis. Topics of study include: principles of controlled trials; study design and randomization; analysis and interpretation; ethical issues and data management considerations. At the end of this unit, students will have acquired skills including parallel and cross-over trial design, setting up a randomisation scheme, and understanding issues of multiplicity in clinical trials. During the workshop, there will be formal lectures on an area of controlled trials methodology, followed by a practical session led by a faculty member, based on material to be reviewed by students prior to the class.

Textbooks
Lecture notes and solutions to practicals will be provided. Readings associated with the course
Interpreting and Reporting Clinical Trials Ed: Keech AC, Gebski V and Pike R

PUBH5208
Screening and Diagnostic Test Evaluation
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Tim Driscoll, Associate Professor Alex Barratt **Session:** Semester 2a **Classes:** 1x2hr seminar or 2hr of online discussion per week for 7 weeks **Prerequisites:** PUBH5010 **Assessment:** 1x1000word critical appraisal (30%) and 1x1500word final assignment (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M M (Clin Epid), M P H, M P H (Honours), M Sc M (Clin Epid).

This unit is designed to further develop concepts covered in the Epidemiological Methods Course and for those students seeking more detail on screening and diagnostic tests. It will cover a wider range of topics than clinical medicine alone. At the end of this unit, participants should be able to: use information from articles evaluating screening tests in order to apply test results to individual patients and /or make policy decisions about screening tests; consider the internal validity of studies used to assess diagnostic and screening tests and identify and appraise relevant articles and Systematic Reviews. The unit is based on weekly discussion of material provided in course workbook, session outlines and pre-reading. Students will be encouraged to contribute examples for discussion. This unit is offered in online/distance mode only.

Textbooks
Course notes are provided.

PUBH5211
Multiple Regression and Stats Computing
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Timothy Dobbins **Session:** Semester 2 **Classes:** 2hr per week for 13 weeks **Prerequisites:** PUBH5018 **Assessment:** 1x4page assignment (30%) and 1x10page assignment (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Cert P H R M, Grad Dip P H, Grad Dip Surg, M M (Clin Epid), M P H, M P H (Honours), M S, M Sc M (Clin Epid).

This unit covers simple and multiple linear regression; one-way analysis of variance to compare more than 2 groups; analysis of covariance to compare groups adjusting for confounders; testing for effect modification; calculating adjusted means; strategies for selecting the 'best' regression model; examination of residuals; regression to the mean; associated SAS programming. Each topic is covered by a 1 hour statistics lecture, a 1 hour SAS lecture, a 1 hour SAS practical and a 1 hour statistics tutorial to discuss the interpretation of the results. Each fortnight there is an exercise on the material covered in the statistics lecture. The SAS practical allows the necessary computing to answer the questions for the statistics tutorial the following week. The assignments will involve practical analysis and interpretation of a data set and between 10% and 20% of the marks for each assignment are for the SAS computing program.

Textbooks
Course notes are provided.

PUBH5212
Categorical Data Analysis
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Petra Macaskill **Session:** Semester 2b **Classes:** 1x2hr lecture, 5x1hr lectures, and 5x1hr tutorials over 6 weeks. This unit may be undertaken in face to face or online/distance mode. **Prerequisites:** PUBH5018 **Corequisites:** PUBH5211 **Assessment:** 1x3page report (30%) and 1x8page report (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, M M (Clin Epi), M M (Clin Epid), M M (STD/HIV), M P H, M P H (Honours), M S, M Sc M (Clin Epid), M Sc M (S.

In this unit the biostatistical concepts covered in earlier units are extended to cover analysis of epidemiological studies where the outcome variable is categorical. Topics of study include: testing for trend in a 2 x r contingency table; the Mantel-Haenszel test for the combination of several 2 x 2 tables, with estimation of the combined odds ratio and confidence limits; multiple logistic regression; Poisson regression; modelling strategy. The assignments will involve practical analysis and interpretation of categorical data. Data analyses will be conducted using statistical software (SAS).

Textbooks
Students will be provided with a set of notes and tutorial exercises.

PUBH5213
Survival Analysis
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Judy Simpson **Session:** Semester 2b **Classes:** 1x1hr lecture and 1x1hr tutorial per week for six weeks **Corequisites:** PUBH5211 **Assessment:** 1x3page assignment (20%) and 1x10page assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Clin Epi, Grad Dip Med (Clin Epi), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (Clin Epi), Grad Dip Sc Med (STD/HIV), Grad Dip Surg, M M (Clin Epi), M M (Clin Epid), M M (STD/HIV), M P H, M P H (Honours), M S, M Sc M (Clin Epid), M Sc M (S.

During this unit, students learn to analyse data from studies in which individuals are followed up until a particular event occurs, e.g. death, cure, relapse, making use of follow-up data also for those who do not experience the event. This unit covers: Kaplan-Meier life tables; logrank test to compare two or more groups; Cox's proportional hazards regression model; checking the proportional hazards assumption; sample size calculations for survival studies. For each topic participants are given some material to read beforehand. This

is followed by a lecture, then participants are given one or two exercises to do for the following week. These exercises are discussed in the tutorial at the next session before moving on to the next topic. That is, in most weeks the first hour is a tutorial and the lecture is given in the second hour. Participants are expected to run SAS programs in their own time. Preparation time for each session is 2-3 hours. The assignments will both involve use of SAS to analyse a set of survival data.

Textbooks
Course notes are provided.

PUBH5215
Introductory Analysis of Linked Data
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor Judy Simpson **Session:** S2 Late Int **Classes:** block/intensive mode 5 days 9am-5pm **Prerequisites:** PUBH5018 and (PUBH5010 or BSTA5011) and (PUBH5211 or BSTA5004) **Assessment:** workbook exercises (50%) and 1xassignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Biostat, Grad Dip Biostat, Grad Dip P H, M Biostat, M P H.

This unit introduces the topic of linked health data analysis at an introductory to intermediate level. It fills a gap in research training opportunities by combining the principles of health care epidemiology with hands-on practical exercises in the implementation of computing solutions. The modular structure of the unit provides students with a theoretical grounding in the classroom on each topic, followed by a training session on the corresponding computing solutions. Students use de-identified linked NSW data files on CD-ROM in the hands-on exercises. The computing component of the unit assumes a basic familiarity with computing syntax used in SAS and methods of basic statistical analysis of fixed-format data files. Contents include: an overview of the theory of data linkage methods and features of comprehensive data linkage systems, sufficient to understand the sources and limitations of linked health data sets; construction of numerators and denominators used in the analysis of disease trends and health care utilisation and outcomes; basic statistical analyses of linked longitudinal health data; manipulation of large linked data files; writing syntax to prepare linked data files for analysis, derive exposure and outcome variables, relate numerators and denominators and produce results from statistical procedures at an introductory to intermediate level.

Textbooks
Notes will be distributed in class.

PUBH5221
Qualitative Research Methods
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Susan Quine **Session:** S2 Intensive **Classes:** 1x2day workshop **Prerequisites:** PUBH5016 or MIPH5132 or PUBH5014 **Assessment:** EITHER 1x2000word theoretical essay assignment OR 1 practical reflective report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to extend participants' understanding of qualitative research methods and enable the acquisition of skills in the collection and analysis of qualitative data. The unit builds on the social research methods introduced in the unit PUBH5016 Society, Behaviour and Public Health or MIPH5132 Disease Priorities and Social Methods or PUBH5014 Social Research Methods. It covers the relevance of qualitative methods to the investigation of health issues; non-probability sampling; observation - practical; interview technique - practical; focus groups - practical; introduction to basic data analysis and interpretation of text; how to speak to and interrogate qualitative data and how to write up and present qualitative data. During the 2 day interactive workshop, there will be opportunities for practical application of qualitative research techniques (interviewing in pairs, simulated focus groups, observational activities, data analysis).

Textbooks
A manual of course notes and references are provided.

PUBH5302
Health Economic Evaluation
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Glenn Salkeld, Dr Kirsten Howard **Session:** S2 Intensive **Classes:** 2x2day compulsory workshops **Assessment:** assignment 1 (40%), assignment 2 (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert P H R M, Grad Dip P H, M P H, M P H (Honours).

This unit aims to develop students' knowledge and skills of economic evaluation as an aid to priority setting in health care. This unit covers: principles of economic evaluation; critical appraisal guidelines; measuring and valuing benefits; methods of costing; modeling in economic evaluation. The workshops consist of interactive lectures, class exercises and case history analyses.

Textbooks
A course manual will be provided to each student.

PUBH5307
Advanced Health Economic Evaluation
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Kirsten Howard **Session:** S2 Late Int **Classes:** 1x2day workshop **Prerequisites:** PUBH5018 and PUBH5010 **Corequisites:** PUBH5205 and (PUBH5302 or CEPI5303) **Assessment:** 2xwritten assignments (40%/60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Clin Epi, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip P H, Grad Dip Sc Med (Clin Epi), M Int P H, M M (Clin Epi), M M (Clin Epid), M P H, M Sc M (Clin Epid), M Sc Med (Clin Epi).

The aims of this unit are to provide students with an understanding of the concepts, application and analytical techniques of more advanced methods of health economic evaluation and with practical working knowledge of how to conduct economic evaluations using stochastic and deterministic data. This unit will focus on students developing the hands-on skills of conducting economic evaluations, included detailed practical instruction in the use of decision analytic software such as TreeAge and Excel. The format will be in face to face workshops with lectures followed by computer based exercises directly relating to the lectures. The broad topic areas covered are: 1) analysis of health outcomes including survival and quality of life measures 2) analysis of costs 3) economic modeling, including conduct of sensitivity analyses (one way, multi-way and probabilistic sensitivity analysis) and 4) presenting and interpreting results of cost effectiveness analyses.

PUBH5308
Health Workforce Policy Analysis
Medicine

Credit points: 2 **Teacher/Coordinator:** Associate Professor Deborah Schofield, Dr Sue Page **Session:** S2 Late Int **Classes:** 1x2day workshop **Assessment:** Assignment on a selected health workforce policy analysis topic **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Clin Epi, Grad Dip Int P H, Grad Dip Med (Clin Epi), Grad Dip P H, Grad Dip Sc Med (Clin Epi), M Int P H, M M (Clin Epi), M M (Clin Epid), M P H, M Sc M (Clin Epid), M Sc Med (Clin Epi).

The unit will examine the major components of health workforce planning in Australia. The Australia health workforce context will be considered (including total workforce size, payment mechanisms and employment arrangements) and the processes by which health workforce planning is influenced through government policy and workforce data translated and integrated with policy and planning explored. The framework for future labour force planning will be discussed with reference to the Intergenerational Report. Current health workforce issues such as adequacy of the workforce, ageing of the workforce, the distribution of the workforce, professional registration, and special needs communities will be addressed. Approaches to planning for an adequate workforce and modelling the future of the health workforce will be examined including practical examples.

Textbooks
Australia's Health Workforce, Productivity Commisssion Research Report, 2005 Available at: http://www.pc.gov.au/study/healthworkforce/finalreport/index.html

PUBH5414
Public Health Advocacy
Medicine

Credit points: 2 **Teacher/Coordinator:** Professor Simon Chapman **Session:** S2 Intensive **Classes:** 1x2day workshop **Assessment:** 1xletter to the editor of a newspaper (10%) and 1x2000word assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to familiarise students with the strategies of public health advocacy and to provide skills in content and discourse analysis of media coverage of health and medical issues. This unit covers the role of media advocacy in advancing public health policy; framing public health issues; news gathering, reporting and editing; strategies for media advocacy; political lobbying in public health advocacy. Teaching and learning activities include interactive lectures, case studies and small group work. Students will be expected to prepare for the sessions. Requirements will be distributed prior to the first day.

Textbooks

Chapman S. Public Health Advocacy and Tobacco Control: Making Smoking History. Oxford: Blackwell, 2007. References are available through the unit's WebCT site.

PUBH5415
Injury Prevention
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Rebecca Ivers **Session:** S2 Intensive **Classes:** 1x2day workshop **Assessment:** 1x2000word essay (90%) and participation in small group work during the workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to provide students with a clear understanding of the magnitude of the injury burden, both in higher and lower income countries, and the strategies that are required to address this burden. This unit will cover: injury definitions, measurement and surveillance; risk factor identification; intervention strategies and their evaluation; advocacy; cause-specific injury topics. During the 2 day workshop, guest speakers will outline issues relevant to the general injury prevention field and students will participate in interactive small group work which will focus on issues relevant to cause-specific injuries, in collaboration with guest contributors.

Textbooks

Students will be provided with a course manual. Recommended text: McClure R, Stevenson M, McEvoy S. The Scientific Basis of Injury Prevention and Control. Melbourne: IP Communications, 2004.

PUBH5416
Vaccines in Public Health
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Glenda Lawrence, Professor Peter McIntyre **Session:** S2 Intensive **Classes:** Preparatory online lectures and 1x2day workshop **Assessment:** 2xshort online quizzes (10%) plus 1x2000word assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment. Note: Students may be required to request permission from the unit of study coordinator to enroll in this unit of study. In this situation, the coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

The aim of this unit is to provide students with an understanding of immunisation principles, the impact of vaccination on the epidemiology of vaccine preventable diseases (VPDs), how to assess the need for new vaccines and how to implement and monitor a new vaccination program. This unit covers the history and impact of vaccination; basic immunological principles of immunisation; surveillance of diseases, vaccination coverage, vaccine effectiveness and adverse events; risk communication; assessing disease burden and new vaccines. Learning activities include short online preparatory lectures and a workshop with interactive lectures and small group case studies (please bring a calculator).

PUBH5417
Injury Epidemiology Prevention & Control
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Suzanne McEvoy and Dr Rebecca Ivers **Session:** Semester 2 **Classes:** Online lectures and moderated discussions over 13 weeks (workload 6-8hr/week **Assessment:** 1x4000word assignment (60%) and participation in two moderated online discussions (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M Int P H (Hons), M P H, M P H (Honours).

This one-semester online unit teaches students about the principles of injury epidemiology, prevention and control. It provides a basis for the assessment and investigation of injury issues and the development, implementation and evaluation of injury prevention programs. The unit will cover: injury measurement and classification (descriptive methods); risk factor identification (analytic methods); evidence-based interventions for injury prevention; priority setting in injury control; injury prevention policy; strategies in injury control; implementing strategies in injury control; program evaluation in injury prevention; injury and Indigenous Australians and an international perspective on injury. During this unit, students will: gain an understanding of the epidemiology of injury, including the burden of injury, injury surveillance, methods for estimating the frequency and severity of injury, and methods for identifying risk factors; gain an understanding of the theories underpinning injury prevention and illustrate their application; develop an appreciation of the process of priority setting in injury, the design and implementation of injury prevention interventions, and the principles and conduct of evaluations.

Textbooks

Lecture notes, case studies and journal articles will be provided online from a password-protected site. Recommended text:. McClure R, Stevenson M, McEvoy S. The Scientific Basis of Injury Prevention and Control. Melbourne: IP Communications, 2004.

PUBH5418
Tobacco Control in the 21st Century
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Simon Chapman **Session:** Semester 2 **Classes:** Three days of lectures and problem-focused discussions, followed by 4 weeks of problem-based online discussions and self directed learning tasks per week for 13 weeks **Assessment:** 2x2000word essays (60%), 1x100item online quiz (10%) and online discussion and participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip H Pol, Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

The unit consists of 10 self-directed learning topics, each of which is supported by extensive Web based resources, and 4 moderated online discussion forums, each focusing on a problem related to tobacco use and control. Self-directed learning topics include: information technology and tobacco control, history of tobacco use and control; the burden of illness from tobacco use; passive smoking: the research evidence; tobacco and nicotine pharmacology; measuring tobacco use, uptake and cessation in communities; international trends in tobacco consumption; tobacco and the environment; the UN Framework Convention on Tobacco Control and litigation. Problem focused discussion forums include: Harm reduction and tobacco control, regulation of tobacco, improving and implementing pack warnings; promoting smoking cessation, prevention of uptake (youth programs); denormalisation of the tobacco industry; controlling advertising; and controlling exposure to tobacco smoke, making news on tobacco and influencing political policy on tobacco.

Textbooks

Chapman S. Public Health Advocacy and Tobacco Control: Making Smoking History. Oxford: Blackwell, 2007. Other readings are provided on the unit's WebCT site.

PUBH5419
Falls Prevention in Older People
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Rebecca Ivers **Session:** Semester 2 **Classes:** 6-8 hours of online lectures and tutorials per week for 13 weeks **Assessment:** 1x2000word written assignment (60%) and participation in four

moderated online discussions (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip Int P H, Grad Dip P H, M Int P H, M P H.

This fully online unit aims to teach students about the principles of falls prevention and falls injury prevention in the older person, with a focus on the application of these principles in the field. This unit will cover: the aetiology of falls; the burden and economic implications of falls in the older person; primary, secondary and tertiary prevention strategies (community, hospital and long-term care facilities); developing and implementing injury prevention programs; the principles and value of program evaluation and current programs being used in Australia and overseas. Students will discuss the research methods surrounding the impact of falls, research design and the risk of falls, and will look at the development of falls prevention programs, case studies, issues and future directions.

Textbooks

Lecture notes, case studies and journal articles will be provided online from a password-protected site. Recommended text: Lord SR, Sherrington C, Menz HB. Falls in older people. Cambridge University Press: United Kingdom, 2001.

PUBH5901
Treatise A
Medicine

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H (Honours).

The treatise gives you an opportunity to produce a written piece of research work that is supervised by an academic member of staff. The aim is for you to apply the knowledge and skills developed in your coursework to a particular topic or problem in public health. You will produce a scholarly piece of written work that is suitable for submission to a peer-reviewed journal. As a general guide, the treatise would be completed in three months (or six months part time). Your supervisor will help you select a topic and define the research questions so that you can complete the treatise in this time.

PUBH5903
Treatise B
Medicine

Credit points: 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H (Honours).

The treatise gives you an opportunity to produce a written piece of research work that is supervised by an academic member of staff. The aim is for you to apply the knowledge and skills developed in your coursework to a particular topic or problem in public health. You will produce a scholarly piece of written work that is suitable for submission to a peer-reviewed journal. As a general guide, the treatise would be completed in three months (or six months part time). Your supervisor will help you select a topic and define the research questions so that you can complete the treatise in this time.

PUBH5904
Treatise A
Medicine

Credit points: 8 **Session:** Semester 1, Semester 2 **Prerequisites:** All core units **Assessment:** Research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H (Honours).

The treatise gives you an opportunity to produce a written piece of research work that is supervised by an academic member of staff. The aim is for you to apply the knowledge and skills developed in your coursework to a particular topic or problem in public health. You will produce a scholarly piece of written work that is suitable for submission to a peer-reviewed journal. As a general guide, the treatise would be completed in three months (or six months part time). Your supervisor will help you select a topic and define the research questions so that you can complete the treatise in this time.

PUBH5905
Treatise B
Medicine

Credit points: 8 **Session:** Semester 2 **Prerequisites:** All core units **Assessment:** Research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H (Honours).

The treatise gives you an opportunity to produce a written piece of research work that is supervised by an academic member of staff. The aim is for you to apply the knowledge and skills developed in your coursework to a particular topic or problem in public health. You will produce a scholarly piece of written work that is suitable for submission to a peer-reviewed journal. As a general guide, the treatise would be completed in three months (or six months part time). Your supervisor will help you select a topic and define the research questions so that you can complete the treatise in this time.

PUBH5906
Dissertation A
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H.

PUBH5907
Dissertation B
Medicine

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H.

PUBH5908
Dissertation C
Medicine

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M P H.

University postgraduate units of study – R

REHB5012
Medical Aspects of Disability
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1, Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** 1500 word log report 1 (50%), 1500 word log report 2 (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

This unit aims to provide a background of information and knowledge which is essential for effective rehabilitation practice. It develops the students' general knowledge of the medical basis of disability, as well as giving them the opportunity to acquire specialised expertise in particular areas.

REHB5014
Rehabilitation and Substance Abuse
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** One 2500 word essay (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng.

The history of use and treatment for illegal and over-the-counter drugs is presented. Students examine social attitudes to drug taking and theoretical approaches to addictive behaviour. Community therapy programs and self-help groups are discussed.

REHB5016
Rehabilitation of Public Offenders
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** One 1500-2000 word essay (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The aim is to provide students with a basic understanding of the major models for explaining and researching criminal behaviour. Students are familiarised with current penal philosophies and 'corrective' programs for both adult and juvenile offenders.

REHB5022
Acquired Brain Injury Rehabilitation
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hour lecture **Assessment:** 1000 word take home exam (40%), 1500-2000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The causes and the nature of head injury are examined and its effect on functioning in a range of environments are explored. The rehabilitation process for this population is discussed with emphasis on evaluation, planning and resettlement.

REHB5034
Rehabilitation and PTSD
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** Assignment (30%), 2000 word essay (70%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

PTSD as a clinical entity is examined and major explanatory and research models are reviewed. Students explore theoretical approaches to treatment and become familiar with issues relevant to their role in rehabilitation.

REHB5042
Psychiatric Rehabilitation
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** 1000 word report (30%), 2000 word essay (70%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of persons with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

REHB5043
Rehabilitation Counselling A
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Sandra Bentley **Session:** Semester 1 **Classes:** WebCT online course distance study- equivalent to 2hrs lectures, 1hr tutorial, optional 1/2 day optional workshop **Assessment:** 3 assignments:take home exam (30%), online discussion contribution (20%), counselling interview video and report (50%) **Practical field work:** Students are invited to attend a half-day skills workshop **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

This unit facilitates students' acquisition of the ASORC Core Competency 10: Counselling. The Ivey model of basic counselling microskills are studied and practised. Skills application in rehabilitation counsellor roles are introduced. The unit also covers some counselling theories and procedures and explores their application to the rehabilitation counselling context. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critique as part of assessment.

Textbooks
External study notes provided to all students
Ivey A, Intentional Interviewing (latest edition)
Corey G, Theory and Practice of Counseling and Psychotherapy (Text and Student Manual) (latest edition)

REHB5044
Vocational Development and Counselling
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial. **Assessment:** Take-home exam (50%), 1200-1500 word vocational assessment report (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 8, namely, Vocational Assessment and Vocational Counselling. This unit looks at the theory of vocational choice and career development particularly as it relates to persons with disability. Students are provided with a framework for vocational counselling and are taken through the process of assisting individuals with career choice problems. Resources essential to

providing vocational planning and career choice assistance are also explored with students. Non-compulsory skills development workshops are offered to students.

REHB5045
Rehabilitation Theory
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** Practical exercise - submit venue evaluation (15%), 2000-2500 word essay (85%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

This unit discusses the history and philosophies of rehabilitation and rehabilitation service delivery in relation to medical and health services generally.

REHB5046
Work Injury and Disability
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Toni Schofield **Session:** Semester 1 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial. **Assessment:** 3000 word essay (100%) or two 1500 word essays (50% ea) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

This unit examines the social distribution and origins of occupational injury and disability. It explores the role of work organisation and management in contemporary Australian society as a key factor. The impact of globalisation and policy developments related to Australian workplaces and industrial relations will also be addressed.

REHB5047
Psychosocial Aspects of Disability
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Rosemary Pynor **Session:** Semester 1, Semester 2 **Classes:** Distance study equivalent to 2hrs lectures and 1hr tutorial **Assessment:** 1500 word essay (50%), 2000 word journal/exercise (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The aim of this unit of study is to challenge students' understanding of disability. The unit provides students with an insight into the social position and life experiences of disabled people from their own perspective. Disabled people do take an active role in the community and should not be seen as passive recipients of the care of others, such as health professionals. Upon completion of this unit, students should have an increased understanding of disability. This understanding will improve the effectiveness of their service delivery to disabled people, leading to more positive rehabilitation outcomes.

REHB5048
Field Experience I
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Caroline Howe **Session:** Semester 1, Semester 2 **Classes:** 385 hours over 5 weeks **Assessment:** Clinical placement with supervisors and student assessment. This is a pass/fail subject based on students passing the competencies **Practical field work:** Students are required to complete a total of 385 hours of placement under supervision **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional.

Textbooks
Unit manual only

REHB5049
Rehabilitation Counselling B
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Sandra Bentley **Session:** Semester 2 **Classes:** WebCT online course distance study- equivalent to 2hrs lectures, 1hr tutorial, 1/2 day workshop **Prerequisites:** REHB5043 Rehabilitation Counselling A **Assessment:** Counselling interview video and report (50%), essay (50%) **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The unit covers aspects of the ASORC Core Competency 10: Counselling. Advanced counselling microskills in the Ivey model are studied and practised. Application of these skills to the rehabilitation context is explored, for example, in adjustment to disability, vocational counselling and occupational rehabilitation case management. Students are introduced to action-based counselling theory. The unit is delivered by web-based CD/ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critiques as part of assessment. Students are invited to attend a half-day skills workshop.

Textbooks
Ivey A, Intentional Interviewing & Counseling, Thomson (latest edition)
Corey G, Theory and Practice of Counseling and Psychotherapy, Thomson (latest edition)

REHB5050
Client Assessment and Job Placement
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Prerequisites:** REHB5044 Vocational Development and Counselling **Assessment:** Take home exam (50%), 1200 word job placement report (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 9, namely, Vocational Assessment and Vocational Training and Placement. This unit focuses on job analysis and the various ways in which the problem of accurately assessing the rehabilitation client's potential for re-entry to the workforce can be resolved. Students are also taught how to actively engage with the labour market in terms of assessing job suitability and negotiating with employers in order to secure job opportunities for persons with disability. The unit addresses the issue of accessing and analysing labour market information in order to guarantee the availability of job options generated for clients. Formats for writing vocational assessment reports and labour market analyses are presented and discussed. A one-day skills workshop on practical aspects of the unit is offered, but attendance is not compulsory.

REHB5051
Rehabilitation and Case Management
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Prerequisites:** REHB5044 Vocational Development and Counselling **Assessment:** 1hr take home exam (50%), 1.5hr take home exam rehab plan (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

The focus of this unit is the Australian Society of Rehabilitation Counsellors (ASORC) core competency 5, namely, Case and Caseload Management. Students are exposed to both the theoretical and practical aspects of managing individual clients and a caseload of clients through a rehabilitation process. Issues addressed in this unit are: how to determine appropriate assessments, how to draw up individual rehabilitation plans, how to monitor and document progress in rehabilitation and negotiation skills needed to work with a variety of providers. Strategies to be an effective and efficient manager of clients within a human service environment are also discussed.

REHB5052
Legal Aspects of Rehabilitation

Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** 500 word court report (20%), 2000 word short answer assignment (80%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

Students address the role of Australian anti-discimination and guardianship legislation in delivering quality of life to people with disabilities.

REHB5053
Workers Compensation and Rehabilitation
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Dr Toni Schofield **Session:** Semester 1, Semester 2 **Classes:** Distance study equivalent to 2 hours lectures and 1 hour tutorial **Assessment:** Either one 3000 word essay or two 1500 word essays (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

This unit addresses workers compensation and rehabilitation as both a public policy and system of injury management. It focuses on developments in NSW workers compensation and rehabilitation, locating these within an historical and political context. Students are encouraged to understand injured workers experiences of compensation and rehabilitation in terms of this context.

REHB5054
Field Experience II
Health Sciences

Credit points: 3 **Teacher/Coordinator:** Ms Caroline Howe **Session:** Semester 1, Semester 2 **Classes:** 385 hours over 5 weeks **Prerequisites:** REHB5048 Field Experience I **Assessment:** Clinical placement with supervisors and student assessment. This is a pass/fail subject based on students passing the competencies **Campus:** Cumberland **Mode of delivery:** Professional Practice

Associated degrees: Grad Dip Rehab Clng, M Rehab Clng, PG Coursework Exchange.

Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional.

Textbooks
Subject manual only

REHB5057
Dissertation A
Health Sciences

Credit points: 9 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1, Semester 2 **Classes:** Supervisor meetings **Assessment:** Proposal for dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Rehab Clng, PG Coursework Exchange.

The dissertation requires the completion of a paper which aims to synthesise postgraduate knowledge and skills through an original investigation of an area of professional relevance.

REHB5058
Dissertation B
Health Sciences

Credit points: 9 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1, Semester 2 **Classes:** Supervisor meetings **Assessment:** Dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Rehab Clng, PG Coursework Exchange.

The dissertation requires the completion of a paper which aims to synthesise postgraduate knowledge and skills through an original investigation of an area of professional relevance.

REHB5059
Dissertation
Health Sciences

Credit points: 18 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Supervisor meetings **Assessment:** Dissertation **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: M Rehab Clng, PG Coursework Exchange.

The dissertation requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

REHB5060
Rehabilitation Philosophy
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** 1hr/wk plus module notes and directed reading **Prohibitions:** REHB5045 Rehabilitation Theory **Assessment:** Practical exercises (20%), 2500 word essay (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M R C, Grad Dip Rehab Clng, M Rehab Clng.

This unit discusses the history and philosophies of rehabilitation and rehabilitation service delivery. Students examine and analyse the historical and philosophical background relating to the emergence of rehabilitation as a human service. They develop knowledge of attitudes to disability, particularly an understanding of how certain movements such as eugenics, social Darwinism, independent living and the Disability Movement have changed and shaped such attitudes. They will also examine how disability has been conceptualised by, and incorporated into, post modern approaches and developed as a human service.

Textbooks
Readings provided

REHB5061
Applied Psychosocial and Medical Rehab
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Lynda Matthews, Ms Rosemary Pynor **Session:** Semester 2 **Classes:** 1hr/wk plus module notes and directed reading **Prohibitions:** REHB5012 Medical Aspects of Disability, REHB5047 Psychosocial Aspects of Disability **Assessment:** 2 log books, 3000 words total (50%), 1500 word essay (25%), 1500 word journal/exercise (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M R C, Grad Dip Rehab Clng, M Rehab Clng.

This unit provides students with an insight into: the social position and life experiences of disabled people from their own perspective; and the functional implications of chronic illness and disability. Students critically analyse models of psychosocial adaption to illness and disability and explore the relationships between adjustment and adaption, emotional reactions to chronic disease and disability, coping strategies and quality of life. Upon completion of this unit, students should have an increased understanding of the psychosocial, medical and functional aspects of chronic illness and disability. This understanding will improve the effectiveness of their service delivery to disabled people, leading to more positive rehabilitation outcomes.

Textbooks
Readings provided/ text to be confirmed

REHB5062
Brain Injury Rehabilitation
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** Distance education or On campus: 1 hour tutorial per week **Prohibitions:** REHB5022 Acquired Brain Injury Rehabilitation, REHB3067 Acquired Brain Injury Rehabilitation **Assessment:** Take Home Exam 30% Service Portfolio 30% (2000 words) Essay 40% (2500 words) **Practical field work:** Exercises within the unit of study **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

This unit examines the causes and consequences of acquired brain injury. The pervasive nature of the ongoing functional limitations usually associated with this population is highlighted. The relationship between severity of brain damage and the nature of the effect on client functioning in family, work and social domains is also explored. The

unit of study also examines the nature and range of rehabilitation services available to clients who sustain brain injury.

Textbooks
NIL, relevant readings provided

REHB5063
Rehabilitation of PTSD
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Distance education mode with attendance option of occasional on-campus workshop or seminar **Prohibitions:** REHB5034 Rehabilitation and PTSD, REHB3065 PTSD and Rehabilitation **Assessment:** Take home exam 40%, Essay 60% (3500 words) **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Enrolment is limited to 40 students

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

This unit examines the causes and consequences of posttraumatic stress disorder. Students will learn about the history, nature and presentation of the disorder. Major theoretical and evidence-based best practice approaches to treatment and rehabilitation are examined with interventions for both acute and persisting forms of the disorder being presented.

Textbooks
NIL, relevant readings provided

REHB5065
Advances in HIV/AIDS Rehabilitation
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Marcia Underwood **Session:** Semester 2 **Classes:** Distance education **Prohibitions:** REHB5032 Rehabilitation and HIV/AIDS, REHB3069 HIV/AIDS: Developments in Rehabilitation **Assessment:** Take home exam 40%, Research report (3500 words) 60% **Campus:** Cumberland **Mode of delivery:** Distance Education

Note: Enrolment is limited to 40 students.

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

This unit presents the epidemiology, health impacts, interventions and rehabilitation of HIV disease. Latest research that examines medical, health and psychosocial aspects will be explored. Current and innovative approaches to treatment and rehabilitation will be examined. Issues for counselling and counsellors who are working with people with HIV as well as personal perspectives of people with HIV will be discussed. Students will explore the consequences of this disease on quality of life for people with HIV who are living and working in the community.

Textbooks
Students will be provided with module notes, readings and exercises

REHB5066
Chronic Pain & Rehabilitation Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Caroline Howe **Session:** Semester 2 **Classes:** Online **Prohibitions:** REHB5036 Chronic Pain in Rehabilitation, REHB3066 Chronic Pain: Disability and Rehab **Assessment:** Active participation in online discussion and case study analysis 20%, online examination 30%, In depth analysis of client management and chronic pain (3000 words) 50% **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

Chronic non-cancer pain is a disabling phenomenon and a significant challenge for health professionals. Theories of chronic pain will be presented and students will engage in contemporary research relating to chronic pain management. Current innovations in treatment in this area will be explored. Students will also look at different outcome measures including quality of life. Interdisciplinary team approaches to planning client management will be investigated. The unit will also look at the importance of self management for the Health Professional to reduce the risks of burnout in working with this population of clients.

Textbooks
Text to be confirmed with additional readings

REHB5067
Multicultural Rehabilitation Management
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Mrs Caroline Howe **Session:** Semester 2 **Classes:** Distance education **Prohibitions:** REHB5024 Rehabilitation of Persons from NESB, REHB3070 Ethnic Minorities and Disability **Assessment:** Multiple choice and short answer exam 20%, 1 day compulsory on-campus workshop with analytical report 30%, In depth analysis of issues relating to topic (3000 words) 50% **Practical field work:** 6 hour on campus workshop **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

Working in multicultural environments poses significant challenges for health professionals. Differing cultural attitudes towards disability, injury and pain will be presented along with issues surrounding torture and trauma. Students will be presented with contemporary counselling and rehabilitation management techniques to aide in working with this client population and have the opportunity to attend a dynamic on campus workshop to enhance their practical counselling skills. Students will also look at motivational techniques for working with clients and issues surrounding goal setting and employment. The unit will also look at the importance interdisciplinary team approaches to client management and innovative rehabilitation management techniques.

Textbooks
Readings provided / Text to be confirmed

REHB5068
Public Offenders: Aspects of Rehab
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance education mode with attendance option of occasional on-campus workshop or seminar **Prohibitions:** REHB5016 Rehabilitation of Public Offenders, REHB3062 Public Offenders: Criminality & Rehab **Assessment:** Report on Criminality and Incarceration Issues (Max 2000words) 40%, Essay: An Assessment/Analysis of the Issues Relating to the Practical Application of Rehabilitation Verses Correctional Policy. (2500words) 60% **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

This unit introduces students to issues relating to the management of public offenders for both adults of young offenders. Students will consider the major theories of criminality and their implications for rehabilitation in correctional settings. They will examine and comment on the different approaches to males/females/young offenders. Attention will be paid to incarceration policy and issues relating to those with mental health problems and with problems of addiction. Students will also be introduced to the range of correctional alternatives within and outside jails, e.g. community service options, weekend jail, work release and probation and parole etc. In addition students will examine the role of professionals in and out of jails. They will examine and assess the role of health professionals in the area of addiction, mental health, and HIV counselling within the jail system and the ethical issues surrounding these services. Also covered will be the role of health service professionals working with offenders in non-jail programs: e.g. probation and parole, community service and civil rehabilitation.

Textbooks
Readings provided

REHB5069
Rehabilitation of Alcohol & Drug Misuse
Health Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1 **Classes:** Distance education mode with attendance option of occasional on-campus workshop or seminar **Prohibitions:** REHB5014 Rehabilitation and Substance Abuse, REHB3064 Alcohol and Drug Misuse Rehabilitation **Assessment:** Policy Analysis and Report (Max 2000 words) 40%, Essay, Rehabilitation/Therapeutic Program Comparison and Analysis. (2500 words) 60% **Campus:** Cumberland **Mode of delivery:** Distance Education

Associated degrees: B Hlth Sci, M R C, M Rehab Clng.

This unit introduces students to issues relating to a major contemporary social and community health problem; the misuse of Alcohol and other addictive drugs - both licit and illicit. Two major areas will be examined; 1. Issues relating to the development of health promotion and preventative heath policy relating to the abuse of drugs. This will cover

current debates relating to harm minimization and associated legal and ethical considerations regarding illicit substances, and 2. An examination and analysis of the varying approaches to treatment and rehabilitation for drug addiction. The unit will introduce students to current debates relating to public health policy approaches to addiction giving due consideration to the complications of illegality. Students will be required to report on the value and effectiveness of current harm minimization practices; e.g. needle sharing programs, needle injecting facilities, methadone maintenance. Students will be asked to examine and report on the practical effectiveness and moral and ethical considerations surrounding the operation of such programs and possible alternatives. In the second half of the unit students will consider the effectiveness and community acceptance of the various established rehabilitation and treatment programs. This will include research into programs such as Alcoholic and Narcotic Anonymous, Therapeutic Communities, and the range of professionally based therapeutic counselling approaches. The role of health professionals in these programs will also be examined.

Textbooks
Readings provided

RESP5001
Fundamentals of Research
Science

Credit points: 6 **Teacher/Coordinator:** A/Prof D Dragovich **Session:** Semester 1a, Semester 2a **Assessment:** Three 1000 word reports, oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Appl Sc (Env Sc), M Sc, PG Coursework Exchange, Ph D.

This unit will provide research training for students wishing to undertake research at a Masters or PhD level. Students will revise or develop the necessary skills for commencing a research degree, including critical reading, developing the thesis proposal, developing a research plan with timelines and benchmarks, critical writing, library search techniques, use of referencing systems like EndNote, working with a supervisor, and matters relating to intellectual property and authorship.

RESP5002
Scientific Literature Project
Science

Credit points: 6 **Teacher/Coordinator:** A/Prof D Dragovich **Session:** Semester 1, Semester 2 **Assessment:** 1 x 1000 word assignment; 1 x 5000 (max) word assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Sc, PG Coursework Exchange, Ph D.

This unit will provide research training for students wishing to undertake research at Masters or PhD level. The unit provides the opportunity for applying the student's existing skills in critical reading, writing, and literature search to produce a critical evaluation of a paper in the literature and a literature review presented in the form of a scholarly paper. Initial readings and direction of the literature review will be arranged with the involvement of the student's research supervisor.

RESP5004
Research Preparation Project
Science

Credit points: 12 **Teacher/Coordinator:** A/Prof D Dragovich **Session:** Semester 1, Semester 2 **Assessment:** 1 x 7000 (max) word assignment; oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Sc, PG Coursework Exchange, Ph D.

This unit will provide research training for students wishing to undertake a research degree at Masters or PhD level. The student's research supervisor will be involved in developing an appropriate focus for the project which will be relevant to subsequent thesis work.

RHHG5005
Reproductive Sciences and Medicine
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Robert Jansen **Session:** Semester 2 **Classes:** 7x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc Med (R H & H G).

This unit covers the following topics: reproductive cycle 1 (hypothalamus and pituitary); gamete approximation and fertilisation biology; ovarian function, oogenesis and ovulation; testicular function, spermatogenesis, male accessory organs; sexual physiology; reproductive cycle 2 (ovary and genital tract); implantation, embryogenesis; placentation; fetal development - ultrasound perspective; endocrinology of pregnancy and parturition; lactation; puberty and menstruation; menopause; effects of reproductive steroids on metabolism and other body systems; gonadal differentiation and genital development.

RHHG5006
Reproductive, Maternal and Child Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Ian Fraser **Session:** Semester 2 **Classes:** 5x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc Med (R H & H G).

This unit identifies significant issues in reproductive, maternal and child health, gives an overview of existing services for these population groups, and emphasises preventive health programs.

RHHG5007
Clinical Reproductive Medicine
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Mark Bowman **Session:** Semester 1 **Classes:** 7x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc Med (R H & H G).

This unit covers the following areas of reproductive medicine: puberty, virility and male infertility, menstrual cycle and menstrual symptoms, premenstrual syndrome, dysfunctional uterine bleeding, dysmenorrhoea, menopause, amenorrhoea, ovulation induction, endometriosis, spontaneous abortion and recurrent abortion, contraception, psychosexual disorders, venereal diseases, subfertility and infertility, reproductive technology, assisted conception. This course is based on pre-reading provided prior to each lecture and followed by a two-hour tutorial, during which case studies provide material for investigation and management discussions. This will enable participants to develop a problem-solving approach to clinical management. Participants are required to present a case on at least one occasion during the semester.

RHHG5008
Counselling 1
Medicine

Credit points: 2 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 1 **Classes:** 2x7hr and 3x3 hr lectures **Assessment:** oral presentation (50%), essay assignment (30%), and in class examination (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

This unit concentrates on listening skills, principles of communication, group dynamics, competing theoretical perspectives, crisis management and an examination of values and ideology. The candidate will develop basic counselling skills for future application to reproduction counselling. The course is interactive, with the expectation that participants will present orally as well as be assessed through written work.

RHHG5010
Reproductive Sciences
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Michael Sinosich **Session:** Semester 1 **Classes:** 9x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc Med (R H & H G).

This unit covers the following topics: cell structure and function; intracellular signalling and intercellular communication; cryobiology; steroidogenesis; steroid hormones and receptors; peptide hormone biochemistry and receptors; the social interaction of cells; regulation of cell division; molecular motors; contractility of smooth muscle, cilia and flagella; pathogenesis of PA11; rhesus incompatibility; XGR; recurrent abortion; protein structure and function, structure and function of complex carbohydrates; fetal monitoring; ultrasound, amniocentesis, CVS; radiation and thermal stress; birth defects and their causes; immunological processes in reproduction.

RHHG5011
Clinical or Laboratory Attachments
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Robert Markham **Session:** Semester 2 **Classes:** Clinical/laboratory experience of at least 12 hours **Assessment:** Experience report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

Organised individually for small groups, students keep log books of work undertaken and observed and include presentation of clinical cases or laboratory problems.

RHHG5012
Counselling 2
Medicine

Credit points: 2 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** presentation (60%), and essay assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

This unit concentrates on the process of counselling, making links between microskills and building an 'intentional interviewing' style. The microskills of challenging and confrontation are given prominence and participants are expected to reflect on their practice and the appropriateness of challenging and confronting clients. The candidate will develop basic counselling skills for future application to reproduction counselling. Ethical issues for counselling practice, with a particular focus on the ethical dimensions regarding reproductive medicine, are examined.

RHHG5013
Ethical, Social, Legal & Privacy Issues
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor Douglas Saunders AM **Session:** Semester 2 **Classes:** 6x4hr lectures **Assessment:** oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

The objective is for the student to know relevant legal principles and their application to reproductive health sciences and genetics. To understand the concept of ethical reasoning and apply to issues in reproductive medicine. To research an issue in reproductive medicine and genetics and discuss in terms of ethical, social and legal perspectives.

Case studies are used to initiate discussion of these issues. Topics include active and passive euthanasia; artificial insemination; assisted conception and embryo experimentation; abortion; legal rights of parents, fetuses and infants; relationships between parents, doctors and other health care providers; informed consent; errors in diagnosis; peer review; hospital and clinical records; population-based data systems.

RHHG5014
Fertility Control
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Edith Weisberg **Session:** Semester 2 **Classes:** 4x3hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc Med (R H & H G).

This unit ncourages a practical approach to fertility control and enables students to develop skills in the provision of contraceptive services. The following topics are covered: general issues in fertility control; contraceptive choice; benefits and risks of contraception; legal aspects; contraceptive counselling; availability of contraceptives; development of new contraceptives and details of specific methods of contraception including behavioural methods, barrier methods, intra-uterine devices, steroidal contraceptives, contra contragestion and abortion, immunological methods, and status of male contraception. Lectures build on pre-reading provided. Tutorials require student presentation and discussion of issues. A written assignment is required during the semester. Assessment is based on presentations during tutorials and on the written assignment.

RHHG5015
Lab Assessment of Reproductive Function
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Steven Fleming **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

Concentrates on the technology and interpretation of assay techniques. The appropriate use and pitfalls of various tests is covered in more detail than in other parts of the course. These include serum and urinary assays in the fields of endocrinology and immunology; dynamic endocrine testing; relevance of specific tests to the function of particular organs; testing of fertility (including semen analysis, cervical mucous and post-coital testing, and sperm antibodies); oocyte function and fertilisation; use of biopsies.

RHHG5016
Medical and Molecular Genetics
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Cynthia Roberts **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

Provides a comprehensive coverage of the principles of molecular pathology and progress with diagnosis and gene mapping. Diseases relevant to specific body systems are examined to give a state of the art picture of the molecular genetics of human disease. Included are: clinical genetics, molecular genetics, disease-specific counselling; molecular genetic techniques (southern, northern, hybridisation); molecular genetic techniques (PCR, pulse-field gel); clinical and molecular genetics of systemic disorders and haematological disorders; skeletal disorders; cystic fibrosis and transport disorders; neurological disorders; renal disorders; immunological disorders and HLA association; connective tissue disorders; phakornatoses (neurofibromatosis, Tay-Sachs disease); dermatological disorders; gene mapping techniques, status of human map, comparative gene mapping.

RHHG5019
Treatise A
Medicine

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** The treatise is undertaken by full-time candidates during the two-year course and by part-time candidates in the third year, after completion of the coursework. **Assessment:** research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

Candidates must complete a research project in an area of interest and submit their results in the form of a minor thesis or treatise. During the course, candidates are assisted in choosing a suitable topic and designing their study, both by their supervisor and by a formal component of the coursework called 'treatise development'.

RHHG5020
Treatise B
Medicine

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** The treatise is undertaken by full-time candidates during the two-year course and by part-time candidates in the third year, after completion of the coursework. **Assessment:** research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

Candidates must complete a research project in an area of interest and submit their results in the form of a minor thesis or treatise. During the course, candidates are assisted in choosing a suitable topic and designing their study, both by their supervisor and by a formal component of the coursework called 'treatise development'.

RHHG5021
Reproduction and Cancer
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Alan Ferrier **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth), M M (R H & H G), M Sc Med (R H & H G).

This unit examines three areas of interest linking cancer, reproductive endocrinology and infertility. The first concerns the application of 'reproductive insurance' using cryopreservation of ovarian cortical biopsy specimens, mature oocytes, sperm and embryos in patients with cancer. The second area explores the evidence between infertility and its management, childlessness and common gynaecological cancers and the alleged increased incidence of testicular cancer. The third examines the alleged links between breast cancer and hormone replacement therapy in the menopause.

RHHG5026
Introductory Medical Genetics
Medicine

Credit points: 4 **Teacher/Coordinator:** Professor David Sillence **Session:** Semester 2 **Classes:** 4hr/week; total 36 hours of lectures **Assessment:** class participation plus major assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Only for students commencing in 2004 or later.

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

The aim of this degree is to provide students with a broad introduction to the principles and practice of medical genetics.

The content covered includes: history and philosophy of medical genetics, genetic informatics, molecular basis of human inheritance, Mendelian inheritance, biochemical genetics, mitochondrial inheritance, cytogenetics, neurogenetics and cancer genetics.

At the end of this unit of study the student should have a basic understanding of the topics above and be able to apply this knowledge to further study in this area.

RHHG5028
Medical Genetics
Medicine

Credit points: 2 **Teacher/Coordinator:** Professor David Sillence **Session:** Semester 1 **Classes:** 7x2hr lectures **Assessment:** multiple examination questions; essay assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (R H & H G), M Sc Med (R H & H G).

This unit follows on from 'Introductory Medical Genetics' but deals with clinical genetics and diagnosis, clinical cytogenetics and clinical molecular genetics in more depth. Strategies for genetic health education and promotion, including evaluation, are introduced. The organisation and management of genetic health services is examined from a state, national and international perspective.

RLST6921
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr I Gardner **Session:** Semester 1, Semester 2 **Assessment:** Research and writing toward a dissertation of 12000-15000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Buddhist Stud.

A dissertation of between 12,000 and 15,000 words may be an option for students. This is equivalent to two units of study and will usually be undertaken to complete the degree, that is, later rather than earlier in the student's candidature. This unit involves completing the writing of a dissertation on an approved topic under the supervision of an academic staff member commencing in RLST6921 Dissertation Part 1, and concluding in RLST6922 Dissertation Part 2. Students must consult the Chair of Department or the Postgraduate Coordinator before enrolling in the dissertation.

RLST6922
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr I Gardner **Session:** Semester 1, Semester 2 **Prerequisites:** RLST6921 **Assessment:** Completion and submission of a dissertation of 12000-15000 words (following RLST6921) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A, M Buddhist Stud.

A dissertation of between 12,000 and 15,000 words may be an option for students. This is equivalent to two units of study and will usually be undertaken to complete the degree, that is, later rather than earlier in the student's candidature. This unit involves completing the writing of a dissertation on an approved topic under the supervision of an academic staff member commencing in RLST6921 Dissertation Part 1, and concluding in RLST6922 Dissertation Part 2. Students must consult the Chair of Department or the Postgraduate Coordinator before enrolling in the dissertation.

RLST6935
Buddhist Contemplative Practices
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Edward Crangle **Session:** Semester 1 **Classes:** 2hrs per week **Assessment:** 5,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

An in-depth examination of the doctrinal and practical aspects of meditation within the major Buddhist traditions. Aim: to enable students to gain an adequate appreciation of the principal issues surrounding both the theory and the practice of Buddhist meditation. The emphasis throughout is on critical appraisal of the classical accounts of meditation in the context of practical experience and the teachings/interpretations of contemporary masters. The classical accounts in question are mainly the Pali texts and commentaries, read in translation.

Textbooks
Course Reader

RLST6946
Academic Research Project
Arts

Credit points: 6 **Teacher/Coordinator:** Dr I Gardner **Session:** Semester 1, Semester 2 **Classes:** 2 hours per wk **Assessment:** 5,000 word essay or research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud.

This unit consists of an intensive 6 week overview of skills and techniques for the preparation and presentation of academic research, using such journals as the American Academy of Religion as a guide. Students will then be required to present their own preliminary research topics to the class, to explain issues that require consideration, alternative methodological approaches that might be employed, competing perspectives that must be balanced, and so on. Supervision by an academic member of staff will carry through to the submission of the project. Students must consult the postgraduate coordinator prior to enrolment.

RMAP5003
Research Methodology in Art Practice
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Assessment:** Mid-semester seminar presentation (individual or team) - 40% of mark; and one 2000-2500 word (individual) essay - 60% of mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M F D I, M I D M, M M Des, M S A.

Research Methodology in Art Practice involves a complex mix of traditional research skills: literature reviews and statistical testing/analysis with the skills drawn from intuitive reflective practice in a studio, laboratory or workshop environment. This unit will investigate, test and hone the variety of research skills, and the relationship between them, from the production of research papers/text to presentations of visual art.

Textbooks
Refer to Unit Reading List.

RSEC5431
Benefit Cost Analysis
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1 **Classes:** (2 lec, 1 tut)/wk **Assessment:** One 1 hr mid term exam, an essay paper, one 2 hr end of semester exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

This unit provides a detailed treatment of benefit-cost analysis and its use in public sector decision making and project evaluation. The underpinning concepts in welfare economics are analysed in detail, such as economic efficiency, criteria for assessing social welfare improvements, and economic surplus measures. Procedures of undertaking a benefit-cost analysis are presented, and tools of non-market valuation for environmental assets are covered in detail. These techniques include both stated and revealed preference techniques, including contingent valuation, choice modeling, hedonic pricing and travel cost methods.

Textbooks
J. Sinden and D. Thampapillai, Introduction to Benefit Cost Analysis, Longman, 1995.
H. C. Campbell, and R. Brown, Benefit-Cost Analysis: Financial and Economic Appraisal Using Spreadsheets, Cambridge University Press, 2003.
N.B. Students are advised not to buy the textbook before lectures commence in case there are any changes.

RSEC5432
Environmental Economics
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 1 **Classes:** (2 lec, 1 tut)/wk **Assessment:** 1hr midterm exam, an essay paper, 2 hr end of semester exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

The unit provides theoretical and empirical background related to economic aspects of a range of environmental issues. The unit exemplifies the studied concepts with environmental problems related to agriculture (soil salinity, algal blooms, overgrazing etc.) as well as with environmental problems typical to Australia. The guiding economic themes are externalities, market failure, the importance of property rights, optimal allocation of pollution abatement, technical issues (e.g. measuring benefits without commodities [e.g. existence values]), and the processes for making choices relating to non-market goods. Some social issues related to environmental impacts are studied through exploration of the problems of population size and distribution, economic growth, and environmental regulation.

Textbooks
D. Thampapillai., Environmental Economics: Concepts, Methods and Policies., Oxford University Press, 2002.
R. Perman, Y. Ma, J. McGilvray and M. Common. Natural Resource and Environmental Economics. Pearson, 3rd Ed. 2003.
C. D. Kolstad., Environmental Economics., Oxford University Press, 2000.
T. Tietenberg., Environmental and Natural Resource Economics., 6th Edition, Addison-Wesley, 2003.N.B. Students are advised not to buy the textbook before lectures commence in case there are any changes.

RSEC5433
Economics of Mineral & Energy Industries
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 2 **Classes:** (2 lec, 1 tut)/wk **Assessment:** 1hr midterm exam, an essay paper, 2 hr end of semester exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

The unit provides theoretical and empirical background in the economics of minerals exploration, extraction and marketing and in the economics of energy generation, distribution and use. The economics of the minerals and energy commodity markets will be discussed and analyzed. The interactions of mineral extraction and energy generation activities with other natural resources and the environment will be of particular interest (e.g. mine site remediation, land use conflicts). Sustainability and prospects for long term efficient use of these resources, as well as the development and use of alternative technologies will also be discussed. In addition, institutional and policy issues (e.g. regulatory reform), will be analyzed. The unit will discuss the main aspects of the markets for minerals and energy, market structure, business environment and price movements. The unit will also provide an introductory discussion on the markets for derivatives (options, futures, forward, swaps) on minerals and energy commodities.

Textbooks
T. J. Brennan, L. K. Palmer, and A. S. Martinez, Alternating Currents: Electricity Markets and Public Policy, Resources for the Future Press, Washington D.C., 2002.
J. E. Tilton, On Borrowed Time? Assessing the Threat of Mineral Depletion, Resources for the Future Press, Washington D.C., 2003.
R. Perman, Y. Ma, J. McGilvray and M. Common. Natural Resource and Environmental Economics. Pearson, 3rd Ed. 2003.
T. Tietenberg., Environmental and Natural Resource Economics., 6th Edition, Addison-Wesley, 2003.
F. E. Banks., Energy Economics: A Modern Introduction., Kluwer Academic Publishers, 2000.
S. Kesler., Mineral Resources, Economics and the Environment, Maxwell Macmillan International, 1994. N.B. Students are advised not to buy the textbook before lectures commence in case there are any changes.

RSEC5434
Economics of Water and Bio-resources
Agriculture, Food and Natural Resources

Credit points: 6 **Session:** Semester 2 **Classes:** (2 lec, 1 tut)/wk **Assessment:** 1hr midterm exam, an essay paper, 2 hr end of semester exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Agr, Grad Dip Agr Ec, Grad Dip Agr Sc, M Agr, M Agr (Turf Man), PG Coursework Exchange.

The main objective of the economics of biological resources will be to introduce students to the bio-economic modeling of the resources that experience biological growth. The unit consists of two complementary parts: water economics and economics of biological resources (fisheries, forestry, other wildlife). The main objective of the water economic component is to investigate the economic aspects of water use and water quality. In particular approaches toward efficient use of the water resource over time, optimal allocation of water among

competing uses and achievement of the socially optimal level of water quality will be discussed. The demand for water from various sectors will be analysed in both static and dynamic settings. Issues considered include the selection and construction of water storages, aquifer water extraction and alternative water sources. The issues of waste water disposal and water quality, changing water technologies, and water pollution will be also discussed. The unit will also discuss the economics of wildlife preservation and protection, as well as the economics of biodiversity. Particular attention will be devoted to the economic mechanisms for managing the water resources including property rights, water allocation and water markets. The key policy instruments (taxes, quotas, standards) in these areas are analyzed and discussed. The institutional and policy aspects will also be considered through analysis of water policy reform in Australia and elsewhere.

Textbooks

Bergstrom, Boule and Poe (Eds.), The Economic Value of Water Quality, Edward Elgar Pub., 2001.

Easter, Rosegrant and Dinar (Eds.), Markets for Water: Potential and Performance, Kluwer Academic Pub., 1998.

D. Smith, Water in Australia, Oxford University Press, 1999.

R. Perman, Y. Ma, J. McGilvray and M. Common. Natural Resource and Environmental Economics. Pearson, 3rd Ed. 2003.

J. M. Hartwick and Nancy D. Olewiler., The Economics of Natural Resource Use., 2nd Ed. , Addison-Wesley, 1998.

J. M. Conrad, (1999), Resource Economics, Cambridge University Press, Cambridge.

N.B. Students are advised not to buy the textbook before lectures commence in case there are any changes.

University postgraduate units of study – S

SANS5901
Sanskrit for Postgraduates 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Oldmeadow **Session:** Semester 1 **Classes:** 2 hours per week **Prohibitions:** SANS1001 **Assessment:** 4000-5000 words in written assignments, tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

Sanskrit is an important canonical language of Buddhism and was the most widely used language in India for philosophy and religion up until modern times. This unit provides an introduction to the language. Emphasis will be given to understanding the basic grammatical structures and Devanagari script and to understanding the place of Sanskrit within Indian culture and Buddhist tradition. There will be exercises in translation from Sanskrit to English and English to Sanskrit.

SANS5902
Sanskrit for Postgraduates 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Oldmeadow **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** SANS5901 or equivalent **Prohibitions:** SANS1002 **Assessment:** 4000-5000 words in written assignments, tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

This unit provides an extension to work completed in SANS5901. By the end of the unit, students will have an understanding of the grammar required for reading simple Sanskrit texts.

SANS5903
Sanskrit for Postgraduates 3
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Oldmeadow **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** SANS5901 and SANS5902 or equivalent **Prohibitions:** SANS2001 **Assessment:** 4000-5000 words in written assignments, tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

This unit will complete the more advanced grammatical forms in the first half of the semester, and will then be devoted to reading classical Sanskrit literature, especially selections relevant to the study of Indian religion and culture.

SANS5904
Sanskrit for Postgraduates 4
Arts

Credit points: 6 **Teacher/Coordinator:** Dr P Oldmeadow **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** SANS5903 or equivalent **Prohibitions:** SANS2002 **Assessment:** 4000-5000 words in written assignments, tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Buddhist Stud, Grad Dip Arts, Grad Dip Buddhist Stud, M A, M Buddhist Stud, PG Coursework Exchange.

This unit will be devoted to reading classical Sanskrit literature, especially selections relevant to the study of Indian religion and culture. Readings will be drawn from texts such as the Jatakamala, Bodhicaryavatara and Mahabaharata.

SCEL5100
Science Elective
Science

Credit points: 1 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: M Appl Sc, M Appl Sc (Bioinformatics), M Appl Sc (Coastal Mgt), M Appl Sc (Env Sc), M Appl Sc (M B T), M Appl Sc (Microsc & Micronal), M Appl Sc (Neuro Sc), M Appl Sc (Psych Coach), M Appl Sc (Wild Hlth Pop Man), M Bioethics, M Bioethics (Hons), M Envi Sci La.

Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5101
Science Elective
Science

Credit points: 1 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: M Appl Sc, M Appl Sc (Bioinformatics), M Appl Sc (Coastal Mgt), M Appl Sc (Env Sc), M Appl Sc (M B T), M Appl Sc (Microsc & Micronal), M Appl Sc (Neuro Sc), M Appl Sc (Psych Coach), M Appl Sc (Wild Hlth Pop Man), M Bioethics, M Bioethics (Hons), M Envi Sci La.

Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5106
Science Elective - Neuroscience
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: Grad Cert App Sc (Neuro Sc), M Sc (Environ Sc).

This unit is only available to students enrolled in the postgraduate Neuroscience program. The content of the unit, assessment requirements and hours required are by negotiation with the program coordinator. Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5200
Science Elective

Science

Credit points: 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: M Appl Sc, M Appl Sc (Bioinformatics), M Appl Sc (Coastal Mgt), M Appl Sc (Env Sc), M Appl Sc (M B T), M Appl Sc (Microsc & Micronal), M Appl Sc (Neuro Sc), M Appl Sc (Psych Coach), M Appl Sc (Wild Hlth Pop Man), M Bioethics, M Bioethics (Hons), M Envi Sci La.

Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5201
Science Elective
Science

Credit points: 2 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: M Appl Sc, M Appl Sc (Bioinformatics), M Appl Sc (Coastal Mgt), M Appl Sc (Env Sc), M Appl Sc (M B T), M Appl Sc (Microsc & Micronal), M Appl Sc (Neuro Sc), M Appl Sc (Psych Coach), M Appl Sc (Wild Hlth Pop Man), M Bioethics, M Bioethics (Hons), M Envi Sci La.

Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5206
Science Elective - Neuroscience
Science

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: Grad Cert App Sc (Neuro Sc), M Sc (Environ Sc).

This unit is only available to students enrolled in the postgraduate Neuroscience program. The content of the unit, assessment requirements and hours required are by negotiation with the program coordinator. Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5300
Science Elective
Science

Credit points: 3 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: M Appl Sc, M Appl Sc (Bioinformatics), M Appl Sc (Coastal Mgt), M Appl Sc (Env Sc), M Appl Sc (M B T), M Appl Sc (Microsc & Micronal), M Appl Sc (Neuro Sc), M Appl Sc (Psych Coach), M Appl Sc (Wild Hlth Pop Man), M Bioethics, M Bioethics (Hons), M Envi Sci La.

Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCEL5301
Science Elective
Science

Credit points: 3 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.

Associated degrees: M Appl Sc, M Appl Sc (Bioinformatics), M Appl Sc (Coastal Mgt), M Appl Sc (Env Sc), M Appl Sc (M B T), M Appl Sc (Microsc & Micronal), M Appl Sc (Neuro Sc), M Appl Sc (Psych Coach), M Appl Sc (Wild Hlth Pop Man), M Bioethics, M Bioethics (Hons), M Envi Sci La.

Science Elective units were created to assist students manage the transition to 6 cp units. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected.

SCLG6901
Citizenship Rights and Social Movements
Arts

Credit points: 6 **Teacher/Coordinator:** Dr A Elliot **Session:** Semester 2 **Classes:** 2 hours per wk **Prohibitions:** SCWK6901 **Assessment:** Class participation; seminar oral presentation; 2 research essays (total 5,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert P A C S, Grad Cert Strat Pr, Grad Dip Arts, Grad Dip Media Prac, Grad Dip Stat Pr, M A, M A L P, M Litt, M Media Prac, M P S, M Strat P R, PG Coursework Exchange.

This unit will provide an analysis of theories and practices of citizenship rights in Australia, other Anglophone countries and European countries in the 20th and 21st centuries. It will examine the relationships between different modes of citizenship, claims for rights and the formation of social movements with regard to the women's movement, Indigenous movements (where applicable) and movements concerned with migration, ethnic diversity and multiculturalism. Analyses will focus on the processes, content and outcomes of social movement advocacy.

SCLG6902
Doing Social Research
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Gill **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** SCLG3003 **Assessment:** Participation in class exercises, plus two 2,500 word papers **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert D C C, Grad Dip Arts, Grad Dip Media Prac, Grad Dip Stat Pr, M A, M Litt, M Media Prac, M Strat P R, PG Coursework Exchange.

This unit of study provides a comprehensive lecture program that covers the research process, from the selection of a topic through to data analysis and the interpretation of results. Students will engage in debates about the philosophical basis of social research, and will undertake exercises designed to enhance their skills in conducting research. For the primary assessment, students will select a topic and develop a research proposal, suitable for submission to a funding agency, or for a Masters or PhD thesis.

SCLG6903
New Debates in Social Theory
Arts

Credit points: 6 **Teacher/Coordinator:** Dr K Maton **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** One 2,000 word workbook (40%) and

one 3,000 word research essay (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Dip Arts, M A, M A L P, M Litt, PG Coursework Exchange.

Students will become familiar with the central recent developments in social theory. The unit will examine reinterpretation of a selection of core issues in social theory, as well as covering innovations such as actor-network theory, theories of language and culture, sexuality and the body, consumption and social identity, globalization, nation and state, economic sociology and the intersection of work and family life, democracy and civil society, ethics and recognition, multiculturalism and postcolonialism, knowledge societies, and the dynamics of postmodern social life.

SCLG6904
Ethics and Private Life
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 4,500 words, including one research paper (70%) and one class presentation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Dip Arts, M A, M A L P, M Litt, PG Coursework Exchange.

Drawing on contemporary debates about intimacy, sexuality and privacy ethics in feminism, law, media and social theory, this unit provides an integrated study of the significance of 'public' and 'private' for changing perceptions of intimacy in contemporary societies. Topics include: sexuality and performativity, love, privacy and journalism ethics, celebrity worship, secrecy, friendship, autonomy and body rights.

Textbooks
Readings will be available.

SCLG6905
Independent Study and Report
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Collyer **Session:** Semester 1, Semester 2 **Assessment:** 5,000-7,000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Dip Arts, M A, M Litt.

Research and writing of a long essay, on an approved topic of the candidate's own choice, under the supervision of an academic member of staff.

SCLG6906
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Collyer **Session:** Semester 1, Semester 2 **Corequisites:** SCLG6907 **Assessment:** Dissertation of 12,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Research and writing for a dissertation, on an approved topic of the candidate's own choice, under the supervision of an academic member of staff. To be completed in SCLG6907 during the following semester i.e., candidates must enrol in both units of study.

SCLG6907
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr F Collyer **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG6906 **Assessment:** Completion of dissertation of 12,000 words begun in SCLG6906 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A.

Completion of research and writing for a dissertation on an approved topic of the candidate's own choice, under the supervision of an academic member of staff. Mandatory pre-requisite: SCLG6906.

SCLG6910
Social Policy International Perspectives
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Hwang **Session:** Semester 1 **Classes:** 2 hours per wk **Prohibitions:** SCWK6909 **Assessment:** Class participation; seminar oral presentation; 2 research essays (total 5,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert Dv St, Grad Dip Arts, M A, M A L P, M Litt, M P S, PG Coursework Exchange.

This unit will provide theoretical and methodological knowledge to undertake social policy analysis in international perspective. Australia, other Anglophone countries, European countries and emerging welfare states of East and South East Asia will be the focus of lectures and students' research. Social policies will include: social security; policies for families and children; aged care; disability services; employment, education and training. The course will examine policies at national and cross-national levels: eg the OECD, World Bank WHO and other UN agencies.

SCLG6911
Human Rights Advocacy and Strategies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Celermajer **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Class participation (10%); workbook 2000 words (30%); essay 4000 words (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert H R, Grad Cert P A C S, Grad Dip Arts, Grad Dip Dv St, Grad Dip P A C S, M A, M Dv St, M Litt, M P A C S, PG Coursework Exchange.

This unit considers a range of approaches to human rights advocacy, exploring how social actors draw attention to and seek redress for human rights violations. In particular, it focuses on how particular groups mediate their religious, cultural and regional identities on the one hand and universal norms on the other to achieve practical outcomes. It considers the role of visual representation, story telling, legal and political institutions and the media as well as the relationship between local and international advocates.

SCLG6912
Rights in International Development
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Oral presentations, minor paper 1000 words; major paper 3000 words and an examination of 90 minutes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Cert H R, Grad Cert P A C S, Grad Dip Arts, Grad Dip Dv St, Grad Dip P A C S, M A, M Dv St, M Litt, M P A C S, PG Coursework Exchange.

This unit links debates over social rights and democratic legitimacy to structural economic arguments. It introduces the competing arguments over social rights and the struggles that have created them, and promotes the use of evidence in these conceptual arguments. The approach of economic liberalism to rights is examined. Important global issues involving rights and economic argument - such as self-determination, land rights, food security, fair trade and economic governance - are examined.

SCLG6913
Human Rights Internship A
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Celermajer **Session:** Semester 2 **Assessment:** 5000 word written paper **Campus:** Camperdown/Darlington **Mode of delivery:** Field Experience

Note: Department permission required for enrolment.

Associated degrees: M H R.

The human rights internship offers students in the Masters program the opportunity to work intensively in a major domestic or international human rights organization, so as to gain a working knowledge of human rights practice. Under the supervision of a member of the organization, students will undertake a specific focused task relevant to the organization's mandate and work with faculty to draw links between their practical project and theoretical issues concerning human rights. Available to Master of Human Rights candidates only - a limited number of internships will be offered. Department permission required.

SCLG6914
Human Rights Internship B
Arts

Credit points: 6 **Teacher/Coordinator:** Dr D Celermajer **Session:** Semester 2 **Assessment:** 5000 word written paper **Campus:** Camperdown/Darlington **Mode of delivery:** Field Experience

Note: Department permission required for enrolment.

Associated degrees: M H R.

The human rights internship offers students in the Masters program the opportunity to work intensively in a major domestic or international human rights organization, so as to gain a working knowledge of human rights practice. Under the supervision of a member of the organization, students will undertake a specific focused task relevant to the organization's mandate and work with faculty to draw links between their practical project and theoretical issues concerning human rights. Available to Master of Human Rights candidates only - a limited number of internships will be offered. Department permission required.

SCLG6915
National Health and Welfare Systems
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** Class participation and two research essays (2500 words each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Dv St, Grad Dip Arts, Grad Dip H Pol, M A, M A L P, M P S, PG Coursework Exchange.

This unit will examine the health and welfare systems in both developed and developing countries. A comparative focus will be taken to examine the different systems, and one emphasis will be on current debates over the appropriate means to evaluate and measure the outcome of their policies and programs. Students will be encouraged to investigate the history of these systems, their political, cultural, and economic constitution, policy and program variations, and the differential impact on factors such as equity, security, housing, education, health, and well-being.

SCLG6925
Australian Society: Place in the Region
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Elder **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** Seminar presentation; 2,000 word seminar paper; 3,000 word essay based on original research **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Lib Stud, Grad Dip Arts, M A, M A L P, M Litt, PG Coursework Exchange.

This unit provides students with an advanced, interdisciplinary understanding of Australian society, culture and its institutions of liberal democracy. It will explore the several core strands of Australia's political culture in terms of an Australian "exceptionalism" in social policy, the background to Australian ideas of liberal democracy and the history of Australian state formation and citizenship. It will explore the bases of "difference": socio-economic inequality; gender; the colonial history and contemporary concerns of Aboriginal and Torres Strait Islander peoples; migration and the ethnic diversity. Australia will also be located in its Asian region, with an examination of social/ecomomic/political relations in Asia.

SCWK6902
Social Research
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 1 **Classes:** 13 wks x 2 hr/wk **Assessment:** Class presentation and research proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert M H P P, Grad Cert Medical Hum, Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip Arts, Grad Dip P A, Grad Dip P S, M A, M Litt, M P Admin, M P S, M S W, M S W (Int), PG Coursework Exchange.

Core unit of study which introduces students to a range of research methods and focus on quantitative and qualitative methods. Many other research issues in developing a research proposal will be addressed through the semester. It is intended that, at the conclusion of this unit, students will have a basic understanding of how to develop a research proposal.

SCWK6908
Authorised Independent Study and Report
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Margot Rawsthorne **Session:** Semester 1, Semester 2 **Classes:** working with advisor for 13 weeks **Assessment:** research essay 6,000wd **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip P S, M P S, M S W.

Student is required to submit a proposal to the postgraduate coursework coordinator prior to enrolling. Information concerning the required format or the proposal can be obtained from the Division of Graduate Studies Office. No one may embark on this option without approval from coordinator.

SCWK6910
Community Work Policy and Practice
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Ms Margot Rawsthorne **Session:** Semester 2 **Classes:** 4 x 6 hr meetings **Assessment:** presentation and community work essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert H R, Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip Arts, Grad Dip P S, M A, M Litt, M P S, M S W, PG Coursework Exchange.

In this unit we will examine community work in Australian and international contexts. We will critically examine the philosophical underpinnings of community work and the historical development of community work practices. We will consider a range of approaches to community work policy and practice including community service, community capacity building and community activism. Issues in, and practical strategies for, evaluating community work practice will also be looked at.

SCWK6914
Group Work
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 2 **Classes:** (4 days x 6 hrs) Fridays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Prof Pract Sup, Grad Dip Arts, M A, M Litt, M S W.

This unit provices theoretical foundations of group work processes. The sessions are interactive, using role-plays and demonstrations to provide opportunity for experimental learning of the information being presented. The sessions are developmentally structured such that later sessions build on knowledge acquired from earlier sessions. Topics to be covered include: context for group work; goals; hidden agendas; communication in groups; models of group development; leadership styles; co-leading; group task versus group maintenance; group membership; role differentiation; group norms; group process

and dynamics; use of power in groups; trust; cohesion; managing conflict in groups; mediation; intervention strategies; focal conflict model; pre-group procedures; group programme design and ethics of group work practice.

SCWK6917
Practice Development
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Margot Rawsthorne **Session:** Semester 1, Semester 2 **Classes:** working with advisor for 13 weeks **Assessment:** research essay (6000 wd) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert M H P P, Grad Cert Prof Pract Sup, M S W, PG Coursework Exchange.

This unit will take an interdisciplinary approach to professional practice issues. It aims for the development of knowledge for reflexive practice in contemporary sites of social work endeavours.

SCWK6920
Mental Health Practice Standards
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Prof Barbara Fawcett, Dr Zita Weber **Session:** Semester 2 **Classes:** on-line (13 weeks) **Assessment:** 2x500wd case study (25%); case study presentation (25%) and essay 3000wd (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert M H P P, M S W, PG Coursework Exchange.

This unit of study focuses on: the National Practice Standards; the theoretical underpinnings; the policy framework; the implications for practice; multi-disciplinary and multi-agency working; mental health workforce issues (e.g. stress in the workplace advocacy); Mental Health Workforce new skills development and the multidisciplinary health context. This unit is also available as a single unit of study to students who are not formally enrolled in the Graduate Certificate in Mental Health Policy and Practice and to professionals who wish to undertake this as a stand-alone unit.

SCWK6927
Professional Practice Supervision
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Rosalie Pockett **Session:** Semester 2 **Classes:** (4 x 6hr sessions) Fridays **Assessment:** presentations and paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Prof Pract Sup, Grad Dip Arts, M A, M A L P, M Litt, M S W, PG Coursework Exchange.

This unit will examine and critique different approaches to professional supervision in the human services. It will identify the key features of a working environment that can enhance or inhibit supervision. In doing this it will explore ethical issues, conflicts of interest, power differentials and outcomes for the client. It will also identify the strategies and skills required in the application of both staff and student supervision.

SCWK6942
Dying: Ethics, Policy and Politics
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lindsey Napier **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** essay (50%); class presentation (25%); class participation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert D D &P C, Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip Arts, Grad Dip P S, M A, M A L P, M Litt, M P S, M S W, M S W (Int), PG Coursework Exchange.

In this unit we discuss the key ethical issues surrounding dying, death and mourning not simply as asbstract philosophical questions but as they are worked out in actual real-life policy and resource decisions, dilemmas and programs.

SCWK6943
Practice: Theory Development
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Ms Denise Lynch **Session:** Semester 1 **Classes:** 4 x 6hr sessions **Assessment:** presentation and essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert D D &P C, Grad Cert M H P P, Grad Cert Prof Pract Sup, Grad Dip Soc Wk, M S W, M S W (Int), PG Coursework Exchange.

Students will have the opportunity to examine current practices and practice theories in light of competing ideas espoused and employed in social work. Practices will be examined in the light of constraints and opportunities in the workplace and of the diverse personal, cultural and social understandings which people hold about life threatening illness, dying, death and mourning in contemporary Australia.

SCWK6944
Death, Dying and Mourning
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lindsey Napier **Session:** Semester 1 **Classes:** on-line **Assessment:** presentation and essay **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Cert Arts, Grad Cert D D &P C, Grad Cert Med Hum, Grad Cert Medical Hum, Grad Cert Prof Pract Sup, Grad Dip Arts, Grad Dip Med Hum, M A, M A L P, M Litt, M Med Hum, M S W, M S W (Int), PG Coursework Exchange.

The purpose of this unit of study is to introduce students to the various, often competing discourses both constituting and challenging notions of self around death, dying and mourning. An important focus is sociological approaches to these issues as they reflect broader cultural understanding of such issues as community relations and continuity, sex and sexuality, disease, stigma and social control.

SCWK6945
Palliative Care: Policies and Practices
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Lindsey Napier **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** class presentation and 4000wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert D D &P C, Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip P S, Grad Dip Soc Wk, M A L P, M P S, M S W, M S W (Int), PG Coursework Exchange.

This unit of study will emphasise study of the social dimensions of health and social policy with respect to health gained across different cultures. It will also examine questions of distribution and equity in health and social care planning and provision.

SCWK6948
Social Policy Frameworks
Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Sue Goodwin **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** essay proposal and presentation; major essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip Ed Studies, Grad Dip P S, M A L P, M Ed, M P S, M S W, PG Coursework Exchange.

This unit aims to provide students with a sound understanding of the key institutional components of the Australian welfare system and the key issues and debates associated with the theory and practice of contemporary social policy. The target audience for this unit includes participants from a diverse range of organisations involved in human service provision. All human service work takes place in the context of social policy: social policy provides the mandate and the resources for human service work, and the activities of workers are extensively defined and shaped by social policy. In turn, human service workers are increasingly involved in the shaping of policy, or policy action. The rationale for this unit is to provide an opportunity for students to develop an advanced understanding of social policy frameworks in order to inform policy action.

SCWK6949
Global Social Policy

Education and Social Work

Credit points: 6 **Teacher/Coordinator:** Dr Ruth Phillips **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** tutorial presentation and paper; policy research exercise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Ed Studies, Grad Cert H R, Grad Cert P S, Grad Cert Prof Pract Sup, Grad Dip Ed Studies, Grad Dip P S, M A L P, M Ed, M P S, M S W, PG Coursework Exchange.

There is a well-established scholarship and governmental interest in both the impact of globalisation on social policy and the emergence of what is increasingly termed 'global social policy' which is a direct response to global social problems. It is a field that is growing in the areas of social policy and social work research and practice and can be clearly linked to increased employment opportunities for social workers and social policy graduates in the international/global arena. A key perspective of this unit of study is from non-government organisations' partcipation in the development of a global civil society and their contribution to global social policy. It also examines the United Nations Millennium Development Goals and how NGOs have contributed to both the ambitions of the goals as well as the outcomes for different countries. This unit provides opportunities for students to deepen their understanding and knowledge of core global concerns such as poverty, health, education, environment, NGO corporate engagement and gender equality and make links to the vital role of NGOs in these areas.

SEXH5100
Social & Policy Aspects of Sexual Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Richard Hillman, Professor Adrian Mindel **Session:** Semester 2 **Classes:** 2 hours of lectures per week, whole semester **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M N, M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to introduce the social, psychological and political determinants of sexuality, and consider their impacts on public health. It is available in both online and face to face modes.

At the end of this unit, students will be able to understand the spectrum and determinants of sexuality; the impacts of biology, culture, tradition, society, environment, life experiences, personal beliefs and health on sexual activity; the impacts of sexuality at public health levels; how sexual health needs vary with risk activity group and geographical location. Students will also be able to discuss policy and legislative responses to sexual activity, and methods for determining the effectiveness of such responses.

Course content will include population studies on sexual behaviour; historical perspectives; variants of sexuality (including adolescence, prisoners, multicultural aspects, the elderly, disability homosexuality, transgender issues); sexual dysfunction and counselling; commercial sex work; sex education; sexual assault, health promotion and ethical and legal aspects.

SEXH5101
Public Health Aspects of STD's
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Richard Hillman, Professor Adrian Mindel **Session:** Semester 2 **Classes:** 2 hours of lectures, per week, half semester **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to provide a public health perspective of the community impact of sexually transmitted infections (STIs). It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor STIs; the core risk activity groups involved in the transmission of STIs; how the epidemiologies of STIs vary within and between societies; the public health impacts of STIs; and effective preventative strategies at individual and community levels. Course content will include an introduction to the basic biology of STIs; epidemiology and surveillance methods; STI service delivery considerations; STI/HIV interactions, travellers' sexual health; health promotion for STIs; policy approaches and ethical & legal issues.

SEXH5102
Public Health Aspects of HIV/AIDS
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Richard Hillman, Professor Adrian Mindel **Session:** Semester 2 **Classes:** 2 hours of lectures, per week, half semester **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M P H, M P H (Honours), M Sc M (STD/HIV).

This unit aims to provide a public health perspective of the impact of HIV infection. It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor HIV infection; the core risk activity groups involved in the transmission of HIV; how the epidemiology of HIV infection varies within and between societies; the public health impacts of HIV infection; and effective prevention strategies. Course content will include an introduction to the basic science of HIV infection; epidemiology and surveillance; sexual blood borne and mother to child transmission; STI/HIV interactions; other methods of transmission; health promotion for HIV; government perspectives and ethical and legal issues.

SEXH5109
Introduction to STIs & HIV
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 1 **Classes:** online - synchronous and asynchronous on-line discussions will be held at times convenient to the students **Prerequisites:** Core units of Graduate Program of Sexual Health **Assessment:** on-line quizzes, case-based small group work assignments and individual activity reports. **Campus:** Cumberland **Mode of delivery:** On-line

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), M Hlth Sc (Sexual Hlth).

This unit aims to introduce the basic social, public health and medical aspects of the common sexually transmissible infections (STIs) and infection with Human Immunodeficiency Virus (HIV).

Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A systematic approach is used, enabling the student to understand the basic principles of how STIs and HIV impact on society, present to clinical services and how they are managed in a variety of settings.

SEXH5200
Advanced STIs
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman, Professor Adrian Mindel **Session:** Semester 1 **Classes:** compulsory attendance at 3x1hr lectures and 1x1hr journal club per week **Assessment:** written examination, short written discussion topics, multiple choice quizzes and participation in journal clubs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Infn Imm, Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M Sc M (STD/HIV).

This unit aims to describe the epidemiology, microbiology, pathogenesis, clinical features and management strategies for the common sexually transmitted infections (STIs). HIV infection will only be covered in the context of its interactions with other STIs.

At the end of this unit, students will be able to discuss the microbiology, pathogenesis and epidemiology of the common STIs. They will be able to demonstrate an understanding of the clinical spectrum of STIs, including asymptomatic infection, genital manifestations, extragenital manifestations and problems related to pregnancy. When discussing

STI management, students will understand the impact of STIs at individual, relationship and community levels. and how needs differ with risk activity group and geographical location.

Course content will include the basic anatomy, physiology and clinical skills required for the investigation of STIs; the epidemiology, microbiology and clinical aspects of the following conditions: vaginal discharge, urethral discharge, genital ulceration, upper genital tract infections, sexually transmitted hepatitis, syphilis, anogenital warts and cancer, genital infestations and other conditions likely to present in a sexual health context. The social contexts of STIs, in terms of the overcoming difficulties of access and the challenges faced in resource-poor settings will also be covered.

SEXH5202
Advanced HIV Infection
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 2 **Classes:** compulsory attendance at 3x1hr lectures/week and 1x1hr journal club per week **Assessment:** written examination, short written discussion topics, multiple choice quizzes and participation in journal clubs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M Sc M (STD/HIV).

This unit aims to describe the epidemiology, biology, pathogenesis and clinical contexts of HIV infection.

At the end of this unit, students will be able to understand the laboratory, clinical and social aspects of the diagnosis and management of HIV infection.

Course content will include underlying scientific principles of diagnostics, virology, immunology and pathogenesis as applicable to HIV infection; clinical aspects of HIV infection, including seroconversion, asymptomatic infection, early symptomatic disease, major opportunistic infections (including AIDs-related conditions), tumours and death. Emphasis will be placed on the roles of prophylaxis, antiretrovirals.and the management of associated conditions. Legal, ethical and sociological contexts will also be discussed.

SEXH5204
Adolescent Sexual Health
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Prohibitions:** SEXH5205 **Assessment:** Continuous assessment including participation in group discussion and project, short answer questions, 1000 word assignments **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Int P H, Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M Int P H, M M (STD/HIV), M P H, M Sc M (STD/HIV).

This unit aims to introduce the constructs of adolescent sexuality, explore the determinants of adolescent sexual health and to discuss the personal and public health implications of adolescent sexuality. At the end of this unit of study, students will be able to describe the biological, developmental and socio-cultural contexts of adolescent sexual health as well as the constructs, challenges and diversities of adolescent sexuality. They will learn techniques used to optimize communication with adolescents and explore legal, ethical and public health implications of adolescent sexuality. The course is taught fully online using a range of assessments including group participation and discussion, a group project, short answer questions and discussions based on case scenarios. It is divided into 6 modules: adolescent sexuality, adolescent sexual health, reproductive health issues in adolescence, diversity, legal and ethical issues and sexual health promotion.

SEXH5205
Advanced Adolescent Sexual Health
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Prohibitions:** SEXH5204 **Assessment:** continuous assessment including participation in group discussion, short answer questions, 1000 word assignments plus 2500 word essay or field report **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Int P H, Grad Dip Med (STD/HIV), Grad Dip P H, Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M Int P H, M M (STD/HIV), M P H, M Sc M (STD/HIV).

This unit aims to introduce the constructs of adolescent sexuality, explore the determinants of adolescent sexual health and to discuss the personal and public health implications of adolescent sexuality, with additional emphasis on a deeper exploration of an area of adolescent sexual health that is of particular interest to the student.

At the end of this unit of study, students will be able to describe the biological, developmental and socio-cultural contexts of adolescent sexual health as well as the constructs, challenges and diversities of adolescent sexuality. They will learn techniques used to optimize communication with adolescents and explore legal, ethical and public health implications of adolescent sexuality. They will also understand and describe one area of adolescent sexual health that the student chooses to study in depth from a list of suggestions.

The course is taught fully online using a range of assessments including group discussion, short answer questions and discussions based on case scenarios. It is divided into 6 modules: adolescent sexuality, adolescent sexual health, reproductive health issues in adolescence, diversity, legal and ethical issues and sexual health promotion.

SEXH5206
Diagnostic Methods in Sexual Health
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 1 **Classes:** blended online - a compulsory one week laboratory practical session towards the end of the course will compliment the online learning **Prerequisites:** Prerequisites apply to students in the Faculty of Health Sciences, undertaking the degrees of SC109 M.HlthSc.(Sexual Hlth), SF057 Grad.Dip.HlthSc.(Sexual Hlth) and SG030 Grad.Cert.HlthSc.(Sexual Hlth) only. Prerequisites include all core units of the graduate program in Sexual Health in the Faculty of Health Sciences plus SEXH5109 Introduction to STIs and HIV) **Assessment:** online quizzes, case based presentations and an OSCE at the end of the practicum **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Cert Hlth Sc (Sexual Hlth), Grad Dip Hlth Sc (Sexual Hlth), Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M Hlth Sc (Sexual Hlth), M M (STD/HIV), M Sc M (STD/HIV).

This unit aims to introduce the student to the common methods used in the diagnosis and management of infections with the common Sexually Transmissible Infections (STIs), including HIV.

At the end of this unit, students will be able to understand the principles of Infection Control; methods used in diagnostic microbiology including specimen collection, storage and transport; specific diagnostic techniques and the interpretation of laboratory results; principle methods of detection for the following organisms: Chlamydia trachomatis, Candida albicans, genital mycoplasmas, Herpes simplex viruses, Human papillomaviruses, Molluscum contagiosum, Neisseria gonorrhoeae, Treponema pallidum, Trichomonas vaginalis, tropical genital ulcerating conditions and genital ectoparasites. Students will also be able to discuss methods used and interpretation of Hepatitis serology; laboratory aspects of syndromic management of vaginal discharge, urethral discharge, rectal discharge and prostatism; the diagnosis and management of HIV infection; the diagnosis of HIV-related opportunistic infections and tumours, and genital cytological assessment.

Course content will include reading materials and exercises. A compulsory intensive one week face to face practical allows students to consolidate their theoretical knowledge.

SEXH5207
STI/HIV Clinical Attachment
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 1, Semester 2 **Classes:** 15 x half day sessions **Corequisites:** SEXH5200 and SEXH5202 **Assessment:** direct observation of clinical skills and case presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Med (STD/HIV), Grad Dip Sc Med (STD/HIV), M M (STD/HIV), M Sc M (STD/HIV).

This unit aims to provide students with clinical exposure to patients with the whole spectrum of sexually transmitted infections and HIV. At the end of this unit, students will be able to understand the basic clinical competences required for the management of people with sexual health problems and HIV infection; indications for special investigations such as colposcopy, laparoscopy, pelvic and scrotal ultrasound, endoscopy, fundoscopy for opportunistic infections and radiology including CT. Students from a science or policy background will be able to discuss relevant laboratory or field work skills.

Course content will include attendance at a minimum of 15 half day seminars in selected sexual health and HIV clinics and the observation of patient care (for Master of Medicine students). The emphasis is on exploring the foundations of good clinical practice, using an evidence-based approach. Opportunities are provided to observe clinical practice with STI and HIV patients in the UK but the course does not provide direct hands-on experience for students and cannot be considered a substitute for on-the-job training for students who wish to acquire clinical competence in these areas. Master of Science students will have equivalent relevant laboratory or fieldwork attachments, together with some clinical exposure. Whenever possible, attachments will be tailored to complement the candidates' past experience. Areas covered will include skills in taking a medical, sexual and drug-using history; physical examination, including genital and anal examination; handling and interpretation of laboratory tests; basic microscopy, chemotherapy; patient education and basic counselling; contact tracing and appropriate referral.

SEXH5209
HIV Infection for Clinicians
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 2 **Classes:** online - synchronous and asynchronous on-line discussions will be held at times convenient to the students **Assessment:** on-line quizzes, case-based small group work assignments and individual activity reports **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Medicine PG Non-Degree.

This unit aims to consolidate basic understanding of public health, virological, immunological and therapeutic aspects of HIV infection at levels appropriate for practicing clinicians. Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A practical approach is emphasised, enabling the student demonstrate an advanced understanding of the principles of how HIV presents and how it is managed in a variety of settings.

SEXH5210
STIs for Clinicians
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 1 **Classes:** online - synchronous and asynchronous online discussions will be held at times convenient to the students **Assessment:** online quizzes, case based small group work assignments and individual activity reports **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Medicine PG Non-Degree.

This unit aims to consolidate basic understanding of the public health, microbiological, immunological and therapeutic aspects of STIs at levels appropriate for practicing clinicians. Individual modules addressing the key areas will be presented, with associated reading materials and exercises. A systematic approach is used, enabling students to apply evidence-based approaches to STI prevention, diagnosis and management in a variety of settings.

SEXH5302
Treatise A
Medicine

Credit points: 12 **Teacher/Coordinator:** Dr Richard Hillman, Professor Adrian Mindel **Session:** Semester 1, Semester 2 **Classes:** independent supervised research **Prerequisites:** SEXH5200 and SEXH5202 **Assessment:** research treatise marked by two independent examiners **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (STD/HIV), M Sc M (STD/HIV).

This unit aims to provide the student with an opportunity to independently pursue supervised research in an area relevant to STIs, HIV or other aspects of Sexual Health. It is required to be taken in addition to Treatise B (SEXH5303) prior to submission of the treatise.

At the end of the unit, students will be able to undertake a comprehensive literature review, formulate a protocol, submit an ethics application, collect data, synthesise data, and draw appropriate conclusions

Course content will be the work required to generate a research treatise. It may be undertaken in New South Wales, interstate or overseas, under appropriate and approved supervision.

The treatise is expected to be of a standard suitable for submission to a peer-reviewed journal.

SEXH5303
Treatise B
Medicine

Credit points: 12 **Teacher/Coordinator:** Dr Richard Hillman, Professor Adrian Mindel **Session:** Semester 1, Semester 2 **Classes:** independent supervised research **Prerequisites:** SEXH5200 and SEXH5202 **Assessment:** research treatise marked by two independent examiners **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (STD/HIV), M Sc M (STD/HIV).

This unit aims to provide the student with an opportunity to independently pursue supervised research in an area relevant to STIs, HIV or other aspects of Sexual Health. It is required to be taken in addition to Treatise A (SEXH5302) prior to submission of the treatise.

At the end of the unit, students will be able to undertake a comprehensive literature review, formulate a protocol, submit an ethics application, collect data, synthesise data, and draw appropriate conclusions.

Course content will be the work required to generate a research treatise. It may be undertaken in New South Wales, interstate or overseas, under appropriate and approved supervision.

The treatise is expected to be of a standard suitable for submission to a peer-reviewed journal and is marked by two independent examiners.

SING5001
Organisational and Managerial Behaviour
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentation. **Assessment:** Two written assignments (50% each). **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

The study of organisations and their management is challenging, stimulating and rewarding. In this unit of study, we examine what it means to manage effectively within the health sector. We expose students to a range of management theories, perspectives and approaches. In particular, recent ideas from management and organisational studies are examined and their applicability to the health sector considered. Core topics include organisational communications, politics, culture, quality improvement and change. A feature of this unit of study is to learn about and apply a number of techniques and tools designed to improve organisational, managerial and individual performance. Learning methods incude small group work, case studies, presentations, debates, completion of some aptitude and managerial behaviour exercises and the application of the ideas to the students'

own workplaces. We provide feedback on students' own managerial attributes.

SING5002
Health Economics
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

This unit of study provides an introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. The unit includes an introduction to microeconomics, health care markets, market failure, economic evaluation, pharmaceuticals, health care financing and the values that underpin decision-making.

SING5003
Health Service Leadership and Change
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Three written assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

This unit of study is about leadership and change management in the health sector. The overall aims of the unit are to enable students to develop a good understanding of the attributes, skills and behaviours of effective leaders and to develop knowledge of, and practical skills in, the planning and implementation of change. Students will explore historical and current theories of management and leadership and their implications for enhancing personal leadership skills and strategies and examine the relationships between societal culture and leadership style and effectiveness. Students will gain an understanding of the sources of power and the appropriate use of power and influence strategies. Students will also examine the forces driving change in healthcare organisations, the models of planning and implementing change and the visions and directions for change. The major topics studied are the theory of change, change management skills, and leadership and management skills necessary for implementing change.

SING5004
Accounting and Financial Management
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Written assignements and exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

This unit of study provides students with an understanding of accounting and financial management in health care environments. Students learn how health service managers use accounting information to support decision-making. Topics covered include accounting principles, financial statements, ratio analysis, budgeting, variance analysis, capital budgeting, product costing and internal control systems.

SING5005
Health Service Marketing
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Written assignments, group presentation **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

Health services marketing is studied in the context of contemporary concepts, theory and applications of the broader field of services marketing. Students learn how the services marketing system works, how to research the potential for new health care services and how to devise the most appropriate marketing strategies to secure a competitive and profitable position in the marketplace -whether local, regional or international. Topics covered include the rise of services marketing, consumer behaviour and decision making; employee and customer satisfaction and relationship management, marketing communications in the traditional and emerging media; and ethical considerations in the marketing of health care services. Learning scenarios include case studies and give scope for group projects as well as individual work.

SING5006
Strategic Management and Planning
Health Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

Strategic management is a vital link - a bridge - between the external environment and the health service organisation. Strategic planning is concerned with the organisation today and what it will be like tomorrow. This unit of study is centred on learning about those two ideas. Specifically, we will apply the ideas to improve the mid- to long-term viability and competitiveness of profit and not-for-profit health sector enterprises. We learn about the kind of strategic choices, tools and techniques available to the health services manager responsible for strategy and planning. A number of intriguing questions are posed. To get a flavour, consider some what and how questions: what is strategic behaviour? What does it mean to manage strategically? How do health service organisations (or, more accurately, the people within them) express their strategic intent and core competencies? What is a learning organisation? How can I plan for the future when the environment is so complex and change so rapid? Topics covered include strategic planning, strategic behaviour, competitive advantage and the learning organisation.

SING5007
Managing HR and IR in the Health Sector
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Written assginments, class presentation, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

This unit will introduce participants to a range of issues facing human resource managers in their everyday working lives and will include human resource management tools, techniques and strategies to effectively enhance the performance of the most important resource in organisations, that is, human resources. In the Human Resources module, topics include: strategic human resource mangement; personnel selection; appraising and managing performance; training and career development. In the Industrial Relations module, topics include: the nature of conflict of interests within organisations; theories which systematise explanations of these; and the nature of state control of management/employee relationships.

SING5008
Information and Decision Analysis
Health Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** 2 x 19 hour teaching blocks including lectures, group work and presentations **Assessment:** Written assignments, class presentation **Campus:** Cumberland **Mode of delivery:** Block Mode

Associated degrees: M Hlth Sc (Management).

This unit of study provides students with an understanding of the principles of information and telecommunications technology in health care, and an appreciation of the impact this technology has on decision-making and ultimately clinical care. The unit showcases current health informatics applications and healthcare information systems. Students also learn how to design and operate a database. Topics covered include information systems development, systems analysis and design, informatics in healthcare management and

desicion-making, electronic health initiatives and artificial intelligence, and managing the socio-technical aspects of health informatics.

SING5013
Dissertation
Health Sciences

Credit points: 12 **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Block Mode

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through to the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

SING5014
Dissertation A
Health Sciences

Credit points: 6 **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Block Mode

The dissertation provides the student with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

SING5015
Dissertation B
Health Sciences

Credit points: 6 **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Block Mode

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

SLEE5001
Introductory Sleep Science
Medicine

Credit points: 1 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To gain an overview of the course and sleep science and medicine; to be conversant with terminology and basic concepts within the field. Content: Overview of the Course: A welcome and an overview of the basic structure of the course. A short tutorial on the software used in the course. Sleep as an Active Process: In contradistinction to common perception, sleep does not involve so much the switching off of neural systems, but the activation of certain areas within the brain, situated in structures such as the medulla, thalamus and basal forebrain. This module introduces basic neural anatomy and physiology necessary for the understanding of the process of sleep. Basic Respiratory Physiology: Understanding mechanisms underlying the maintenance of adequate gas exchange is essential to the study of sleep science and medicine. This module is a short introductory review of respiratory physiology as it relates to sleep medicine.

SLEE5002
History of Sleep Research
Medicine

Credit points: 1 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the milestones that shaped our understanding of the nature of sleep; to understand the development of the concepts of sleep stages, chronobiology and the concept that sleep is not a steady state cycle, but changes through the night; to appreciate importance of polysomnography and the all-night sleep study. Content: Development of Sleep Research: The importance of sleep has been recognized throughout history. However, until recent times sleep was thought to be the intermediate state between wakefulness and death. This section elucidates the observations that have lead to the modern concept of an active dynamic condition we call sleep - from the observation of biological cycles, through the discovery of REM sleep, to the all-night sleep study. Introduction to Methods in Sleep Research: Sleep research involves the use of specific equipment and techniques. The early reports of sleep were confined to case histories and, later, short-term samples of biophysical recording were made. However, it was not until the early 1950s that researchers began to undertake all-night recordings and so polysomnography was born. Polysomnography and the meaning of the biophysical measurements made during full sleep studies will be introduced. In addition, the concepts of sleep stages and the normal changes of cardiorespiratory control and EEG will be introduced.

SLEE5003
Introduction to Sleep Disorders
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** online quiz (15%), lab report (respiratory scoring - 25%), exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the nature of sleep and gain an overview of normal sleep; to appreciate the changes in sleep associated with aging; to recognize various stages of sleep on a polysomnograph (this will be introduced in this unit, but extended significantly during the Practicum); to understand the range of sleep disorders, their presentation and diagnosis, including respiratory disturbances (OSA, central apnoea, pulmonary disease), sleep deprivation and fragmentation, narcolepsy, parasomnias and general medical disorders which impact on sleep; to understand the epidemiology of sleep disorders and their impact on public health.

Content: Normal Sleep: This module will explain the definitions of sleep states and describe the progression of sleep through the night. The cyclic nature of sleep in humans and animals will be examined with some discussion of factors that affect sleep architecture, including age and drugs.

Introduction to Sleep Stage Scoring: This module will define the various stages of sleep from a practical standpoint, based on polysomnograph records. Candidates will be introduced to the standard methods of scoring sleep states which will be expanded during the practicum. Normal sleep and its variations will be the primary focus, with some discussion on the effects of drugs.

Respiratory Disturbances and Sleep: Respiratory sleep disturbance has a long history of comment in the literature generally, whereas, understanding of the medical significance of this has been a relatively recent phenomenon. This module will present an overview of the types of respiratory disturbances associated with sleep and the clinical presentation and evaluation of these. The natural history of sleep disordered breathing changes during the human lifestyle and the concept of a developmental path for sleep apnoea will be discussed.

Obstructive Sleep Apnoea: OSA has arguably been the most obvious type of sleep disordered breathing throughout history. Severe OSA is a major impediment to quality of life and is potentially life-threatening, not only as cause of impairment of day-time function, but as a predisposing factor to cardiovascular disease and stroke. OSA will be discussed in terms of its occurrence and polysomnographic

identification. Reference will be made to OSA throughout life and treatments, however, these will dealt with in more detail in the Sleep and Breathing Units I,II & III.

Central Apnoea: The occurrence and identification of central apnoea will be introduced. This module will give an overview of the range of this phenomenon from apnoea of infancy to Cheyne-Stokes respiration.

Introduction to Respiratory Scoring: This module will introduce respiratory scoring, which is very often a major part of scoring a polysomnographic study. It will define the guidlines used to identify and mark respiratory events throughout a polysomnographic study using the recommendations taken from the Report of The Academy of Sleep Medicine Task Force. The types of devices used to measure respiratory variables will also be discussed.

SLEE5005
Research & Literature Searching in Sleep Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xshort answer question assignment (10%), 1xonline quiz (15%), 1xexam (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To be familiar with the resources of the Medical Library; to be able to conduct an online literature searches and download the results into bibliographic software; to be able to develop a research plan, including hypothesis development and the choice of appropriate methods; to be able to choose the appropriate statistical methods for analysis and read research literature critically.

Content: The Medical Library: In this module the online resources of the Medical Library of the University of Sydney will be introduced and candidates will be provided with an account on the University network and instructed on the use of catalogues, Medline and other databases for retrieval of information.

Applied Literature Searching: Candidates will be required to choose a topic for a short review (2,000 words), and demonstrate the ability to search for references and utilize bibliographic software for the management of those references. Instruction in the use of suitable bibliographic software integrated with a word processor, will be included in this module. Study Design: In this module you will learn about different types of basic, clinical and epidemiological study designs, which may be implemented to answer a research question relating to sleep and/or sleep disorders. You will be introduced to the concept of blinding of subjects and/or researchers, crossover study designs, and the use of placebo controlled study designs. This module will be useful in assisting those enrolled in the Masters Course to decide on a study they intend to implement for their treatise.

Introduction to Statistical Methods: This module will provide a practical overview of some of the statistical tests and ways of presenting data used in various aspects of biological research, including: student t-test; c 2 test; ANOVA; a priori and post hoc testing; standard deviation; standard error of the mean; confidence intervals; significance; and the differences between types of studies, such as case-controlled, double-blind or meta studies. Particular emphasis will be placed on the choice of appropriate tests for different types of data.

Treatise Development: Candidates will, with guidance choose a topic for research and develop a research plan. The plan will include a review of the background, the hypothesis and methods to be used, including the data analysis. This will be presented as a poster and talk at a mini-conference held during the practicum. This module will be completed over the course of the first year of study, however, the research plan will not be, necessarily, that undertaken for the completion of the candidate's treatise.

Seminar Presentation Skills: In this module you will learn how to prepare a seminar presentation, including the order of presentation, suggested software packages, and suggested colour schemes. You will learn how to effectively present data to a group of peers, including strategies to maximize audience interest. Effectively answering questions at the conclusion of your presentation will also be discussed.

SLEE5006
Physiology of Sleep
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1x1500 word essay (30%), 1xonline quiz (15%), 1xexam (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand cardiorespiratory control as it relates to sleep; to recognize the physiological mechanisms underlying the characteristic EEG of different sleep stages; to understand how motor control changes during the sleep cycle and the importance of this in regulation of sleep; to understand the regulation of homeostasis during sleep.

Content: Respiratory Control I: Review of respiratory control mechanisms and neuroanatomy. Central circuits involved in respiratory control and changes in the modulation of these central control mechanisms during the sleep cycle. Respiratory Control II:Control of ventilation alters during sleep. Responses to hypoxia and hypercapnia will be discussed. In addition, the pattern of respiration during the sleep cycle and the influence of altered arousal and muscle tone on this system will be included in this module. Cardiovascular Control I: Central and autonomic regulation of cardiovascular function during the sleep cycle. Sleep-dependent changes in cerebral and peripheral circulation. Cardiovascular Control II: Integration of cardiovascular and respiratory control mechanisms. The peripheral chemoreceptor and baroreceptor mechanisms. Brain Electrical Activity: Characteristics of EEG and EOG in REM and NREM sleep and wakefulness. Cellular origins of EEG signals. Low frequency oscillations of corticothalamic origin during NREM - spindle, delta and slow waves. Brainstem and thalamic circuits involved in arousal and REM. The Brainstem and REM Sleep: This module describes the ontogeny of REM sleep and the brainstem sites of generation.

Motor Control During Sleep: During the sleep cycle, somatic muscle activity is reduced during NREM and centrally inhibited during REM. The process underlying these changes are complex and will be discussed in this module.

Physiological Function During Sleep: Homeostatic mechanisms during sleep including control of temperature regulation and metabolism.

SLEE5007
Chronobiology
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the presence and physiological basis of biological rhythms and the ramifications for the sleep-wake cycle; to understand the normal modulation of circadian cycles and the effects when these are disrupted. Content: Chronobiology: The circadian rhythm and its relationship to the sleep cycle is examined along with the concepts of photic and nonphotic zeitgebers. Neural basis of Circadian Rhythm. The neurophysiology of the pacemaker in the suprachiasmatic nucleus and the neural circuits modulating its function. The genetic basis of circadian rhythm generation will also be discussed. Effects of Circadian Rhythms on Physiology I: The internal sleep structure is governed by circadian rhythms and these rhythms also impact upon levels of alertness and cognitive performance. This module deals with this topic and the ramifications for general day-time performance and quality of life if these rhythms are disrupted such as with sleep fragmentation or jet lag. Effects of Circadian Rhythms on Physiology II: This module

continues the themes of 2.1.3 and considers the effects of such things as sleep deprivation and shift work on homeostasis and sleep regulation. In addition, the physiological effects and role of chronobiotic agent such as melatonin will be introduced. Circadian Rhythms and Ageing: The timing of sleep wake cycles is controlled by at least two neural clocks in the brain. Throughout the animal world there are numerous examples of cellular clocks, with the sleep wake cycle being the most visible example. Sleep wake patterns and rhythms change with age with alterations in both timing and content of sleep. This module introduces the area of chronobiology and the changes in sleep wake patterns with ageing. Importance of Sleep: Sleep occupies about one third of life and there is clear evidence of its importance for the wellbeing and proper function of many animals. This module provides an introduction to the evidence for the key role of sleep in growth, development and brain function.

SLEE5008
Sleep and Breathing I
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the way the control of ventilation is affected by the normal sleep cycle; to understand the relationship between the anatomy and physiology of the airways and the mechanics of ventilation during sleep; to introduce the physiological basis for pathologies of ventilation during sleep, especially OSA and central apnoeas. Content: Breathing During Sleep: The changes in spontaneous breathing during sleep and how this differs between REM and NREM sleep are reviewed. The mechanisms underlying these changes are also discussed. Anatomy and Physiology of the Upper Airway During Sleep: The upper airway and in particular the pharynx is particularly involved in the pathogenesis of OSA. The anatomy of the area and the control of muscles that are important for maintenance of airway patency are reviewed in this module. Snoring & Obstructive Sleep Apnoea-Hypopnoea: In this section, the physiology of snoring and OSA will be discussed in terms of its physiological determinants, occurrence and polysomnographic identification. The treatment of these conditions will be introduced. Central Apnoea: The physiology, occurrence and identification of central apnoea will be discussed with the clinical significance.

SLEE5009
Sleep and the Endocrine System
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1x2000word essay (30%), 1xonline quiz (15%), 1xexam (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the specific role of hormones in modulating circadian rhythms and sleep architecture; to appreciate the direct and indirect effects of disorders in hormone systems on sleep. Content: Melatonin & the Pineal: The anatomy and physiology of the pineal and its role in sensing photoperiod. Melatonin as a chronobiotic and its role in normal function and possible therapeutics. Sleep and the Menstrual Cycle: The influence of female sex hormone levels on sleep architecture during the menstrual cycle. Some reference to menopause will be made, however, this will be dealt with in future modules. Sex Hormones & Corticosteroid Disorders: The influence of male sex hormones and imbalances of steroids such as in Cushing's diseases which may have direct or indirect effects on sleep. Management of such conditions is discussed in relation to sleep. Acromegaly, Hypothyriodism and Diabetes: These hormonal imbalances lead to pathophysiological changes that adversely affect sleep. This module examines these changes and management of such patients.

SLEE5010
Neuropharmacology of Sleep I
Medicine

Credit points: 1 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** 2x3-4hr study sessions per week for 1 week **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aim: To gain knowledge of the neurotransmitter systems and pharmacology involved in control of sleep and circadian rhythms. Content: Neurotransmitter Systems in Sleep: In order to understand the conditions and treatments for a range of sleep disorders and parasomnias, the neuropharmacology must be understood. These sections discuss sleep mechanisms from the perspective of neurotransmitters and neuromodulators. Some basic physiology will be included for background. Neurotransmitter Systems in Arousal.

SLEE5011
Sleep and the Mind I
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the importance of psychological factors in sleep medicine; to examine the specific interaction between the physiological and psychic factors that produce some sleep disorders, using insomnia as an example; to understand the cognitive processes that occur in sleep. Content: Insomnia: The occurrence and origins of this disorder will be discussed in the context of psychological and behavioural problems. The occurrence, clinical presentation and treatment of insomnia. Dreaming & Perception in Sleep: Theories on the origins and function of dreams will be discussed along with methods for study of dreams. Psychophysiology of Dreams: The relationship to dreaming and biophysical state will be examined along with the effect on dreams of various substances such as alcohol and psychiatric disorders. Dreaming Disorders: Nightmares and other phenomenon that have a disturbing effect on patients will be discussed.

SLEE5012
Practicum I
Medicine

Credit points: 5 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 2 **Classes:** Optional 1x2week residential school consisting of a series of lectures and practical classes. **Assessment:** online presentation on a topic chosen by the student (50%), 1x1hr sleep stage scoring assignment (conducted online) (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

The practicum will be a residential course of one week's duration with lectures, demonstrations and tutorials emphasizing the technical aspects of sleep medicine. Theory will also be summarized and candidates will be expected to give presentations and an examination will be given.

SLEE5013
Non-Respiratory Sleep Disorders
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims:To understand the range of parasomnias and their classification; to understand the way in which neurological disorders in a range of systems can influence sleep. Content: Parasomnias I: Parasomnias are disorders of arousal, partial arousal and sleep transition. This module will discuss arousal disorders and sleep-wake transition disorders, such as sleep walking and rhythmic movement disorder. Parasomnias II: This module continues the discussion of the range of parasomnias including those associated with REM sleep such as REM behaviour disorder and other parasomnias such as bruxism. Degenerative Disorders: This section discusses the sleep effects of degenerative diseases such as Parkinson's disease and dementia, which also relates to the REM sleep disorders introduced in the Parasomnias II module. Restless Legs Syndrome & Other Disorders: This module discusses the sleep disturbances that involve the control of movement during sleep and include abnormalities in the amount of movement, loss of control of movement and abnormal forms of movement.

SLEE5014
Sleep and Breathing II
Medicine

Credit points: 4 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1x2500 word essay (25%), 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To develop understanding of the clinical assessment and management of pathologies of ventilation during sleep; to understand the theory of the current methods of treatment of sleep apnoea-hypopnoea; to gain knowledge of developing therapies. Content: Clinical Aspects of OSA: The presentation and clinical assessment of OSA. Nocturnal Asthma: Introduction to the pathophysiology of asthma, clinical presentation and management in the context of sleep. Continuous Positive Airway Pressure: The theory and practice of CPAP in the treatment of OSA. Surgical Therapy: Early attempts at a surgical cure. Uvulopalatoplasty and the more modern elegant techniques such as mandibular distraction. Oral Devices: The range and uses of oral appliances for treatment of OSA. Medical Therapy: This module discusses the options such as treatment of obesity and nasal appliances that are used to treat OSA and hypopnoea. Cardiovascular Disease and OSA. The epidemiological and medical evidence for the links between OSA and cardiovascular disease. Bilevel Pressure Support & Automatic Devices. Sophisticated appliances for the treatment of OSA and central apnoeas such as Cheyne-Stokes ventilation.

SLEE5015
Neuropharmacology of Sleep II
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the pharmacological basis of effects of different classes of drugs on sleep; to become familiar with drugs used therapeutically in various aspects in sleep medicine. Content: Drugs That Alter Sleep: This module introduces the types of prescription drugs that disturb sleep or waking function and may affect sleep disordered breathing. Hypnotics: This module looks at drugs with hypnotic-sedative effects, their effects on sleep and uses in sleep medicine. Stimulants: Drugs that increase arousal, motor activity and alertness will be examined in terms of their physiological action and uses in sleep medicine. Drugs of Addiction: A number of drugs of abuse and addiction, including nicotine and alcohol will be examined in relation to their effects on the sleep cycle and relevance to sleep medicine.

SLEE5016
Sleep and the Mind II
Medicine

Credit points: 1 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To gain knowledge of the effects of psychiatric disorders on sleep and some appreciation of the management of such patients; to understand the concept of sleep hygiene and the importance of behavioural modification as therapy. Content: Psychiatric Disorders and Sleep: Anxiety disorders mood disorders & schizophrenia all have impact upon sleep and are examined in the context of patient management. Behavioural Therapies and Sleep Hygiene: Behavioural modification is very important in the management of a range of sleep disorders and such treatments are examined in this module.

SLEE5017
Sleep and Body Function
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** 2x3-4hr study sessions per week for 2 weeks **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the changes in function of other organ systems in relation to sleep; to understand the effect of sleep on other organ systems and particular the effect of sleep disorders on the function of the body generally; to understand the changes that occur in sleep when the body is challenged by other diseases. Content: Hypertension, Stroke and Cardiovascular Function: Sleep and the problems associated with it in relation to cardiovascular problems will be discussed in this module. In addition, the association with sleep-disordered breathing will be discussed. Disruption of Rhythm: Shift work, jet lag and sleep disruption lead to generalized physiological and immunological problems. Gastrointestinal Physiology: The alterations in autonomic function during sleep have effects on gastrointestinal motility and function. As well as the normal gastrointestinal function during sleep, pathological conditions such as gastrooesophageal reflux will be discussed. Immunological Responses: Sleep is affected by bacterial challenge and other alterations of immunological state. These considerations are examined.

SLEE5019
Sleep in Development (Child)
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1x4000word literature review (50%), 1x5page report (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep).

Aims: To understand sleep and sleep disorders during early development; to be introduced to paediatric sleep medicine and patient management. Content: Development of Respiratory Control: Respiratory control and its relationship to the sleep-wake cycle is not constant throughout life, but displays marked changes during development. These developmental stages are discussed from fetal biophysical states through to childhood are discussed in this module. Central Apnoea & OSA in Children: The occurrence and clinical significance of these conditions are examined. Paediatric Parasomnias: Parasomnias that are of interest in paediatrics are discussed, from

night terrors to SIDS. Management of Paediatric Sleep Disorders: The diagnosis and treatment of sleep disorders in children.

SLEE5020
Sleep and Breathing III
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1xexam (85%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand the impact of respiratory disorders and diseases on sleep and breathing; to understand the principles of clinical management of these patients in the context of sleep medicine. Content: chronic obstructive pulmonary disease (COPD); neuromuscular disorders; restrictive lung disease; cystic fibrosis.

SLEE5021
Neuropharmacology of Sleep III
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1xonline quiz (15%), 1x2500word essay (30%), 1xexam (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

Aims: To understand how knowledge of the neuropharmacology of a sleep disorder is gained and how this is used to develop therapeutic strategies; to gain an appreciation of the direction of current research into drug therapies for sleep disorders and the problems associated with this; to understand methods used to assess the efficacy of drugs and how to critically appraise trials of therapies generally. Content: Narcolepsy: This condition has been studied extensively in humans and animal models and the neuropharmacology is reasonably well understood. This module examines the study of this condition and drug therapies. Possible Drug Therapies for OSA: The pharmacology of systems involved in OSA is examined and ways in which these might be targeted by drug therapy and the problems that are encountered. Pharmacology and Chronobiology: Drugs that alter the circadian clock (chronotropes) are discussed and their efficacy in treating sleep disorders. Assessment of Drug Therapy: This module deals with the critical analysis of drug effect. The methods of assessment and the ways in which the data is presented are discussed.

SLEE5023
Sleep in Development (Adult)
Medicine

Credit points: 2 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Classes:** online - 2 study sessions per week, and component of 1x1week residential school at the end of the year **Assessment:** 1x4000word literature review (50%), 1x5page report (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Associated degrees: Grad Dip M (Sleep).

Aims: To understand sleep and sleep disorders throughout life; to understand issues specific to adult sleep medicine and patient management. Content: Cardiorespiratory Physiology Through the Life-Cycle: This module charts the development of the cardiorespiratory systems from adolescence to old age with reference to sleep disorders. Sleep in Pregnancy & Lactation: Sleep architecture is altered during these states and during pathological conditions such as preeclampsia. Studies of these aspects of the life cycle are reviewed. Management of Sleep Disorders: From OSA to geriatric sleep fragmentation, this module considers clinical presentation and management of different age-groups. Epidemiology of Sleep and Public Health: Sleep research over the last fifty years has indicated that disorders of sleep such as snoring are not just an annoyance, but have serious ramifications for public health. In addition, sleep monitoring can detect the early development of disorders and so can improve management in other areas of medicine. These issues are discussed.

SLEE5024
Practicum II
Medicine

Credit points: 5 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 2 **Classes:** 1x1week residential course **Assessment:** 1xclass presentation (50%), 2x1hr sleep study scoring sessions (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip M (Sleep), Grad Dip Sc M (Sleep), M M (Sleep Medicine), M Sc M (Sleep Medicine).

The second practicum has an online component as well as an optional two week face-to-face practical component including theory and practical lectures demonstration and tutorials. The course will be divided into the adult or paediatric stream. Student presentations and examinations will be online . The presentations will relate specifically to the proposed topics for the candidates' treatises and will take the form of a mini-conference which will be conducted online.

SLEE5025
Treatise A
Medicine

Credit points: 12 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Assessment:** research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Sleep Medicine), M Sc M (Sleep Medicine).

Students enrolled in the Masters program must complete a research project in an area of interest and submit their results in the form of a treatise (minor thesis). During the course candidates will be assisted in choosing a suitable topic and designing their study. In addition, general research techniques will be taught.

SLEE5026
Treatise B
Medicine

Credit points: 12 **Teacher/Coordinator:** Dr Natalie Edwards **Session:** Semester 1, Semester 2 **Assessment:** research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M M (Sleep Medicine), M Sc M (Sleep Medicine).

Students enrolled in the Masters program must complete a research project in an area of interest and submit their results in the form of a treatise (minor thesis). During the course candidates will be assisted in choosing a suitable topic and designing their study. In addition, general research techniques will be taught. Students should only enrol in this unit if they fail to complete their treatise in semester 5.

SMNR5001
History and Theory of Art Practice 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** One 2000-word essay (or equivalent). For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This is a reading and discussion seminar, titled 'Art for the 21st Century: Contemporary Theories of the Visual', that deals with issues such as the globalisation of contemporary art, identity theory, visual theory in the philosophy of the mind and the centrality of Body. Theorists and philosophers discussed include Husserl, Heidegger and Merleeau-Ponty. Seminars run for approximately ten weeks of the semester.

Textbooks
Refer to program Reading List

SMNR5002
History and Theory of Art Practice 2

Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** One 2000 word essay (or equivalent). For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

This is a reading and discussion seminar, titled 'Phenomenology of Art', and is concerned with areas of study that include the phenomenology of Spirit, the technology of the Body, and Space and Light. Seminars run for approximately 10 weeks of the semester.

Textbooks
Refer program Reading List.

SMNR6001
Art Practice Group Seminar 1
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** One scheduled progress report on the rationale and critical development of the candidate's studio project, based on an individual seminar presentation and supported by appropriate visual material. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

Candidates meet as a group with the MSA Academic Supervisor on a weekly basis, in a group-tutorial situation. This may include gallery visits and lectures by specialists in the field of contemporary visual art and craft. The seminar concentrates on the practical, theoretical and material context of contemporary art and finds focus through the candidate's individual studio discipline.

Textbooks
Refer to progam Reading List.

SMNR6002
Art Practice Group Seminar 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** One scheduled progress report on the rationale and critical development of the candidate's studio project, based on an individual seminar presentation and supported by appropriate visual material. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

Candidates meet as a group with the MSA Academic Supervisor on a weekly basis, in a group-tutorial situation. This may include gallery visits and lectures by specialists in the field of contemporary visual art and craft. The seminar concentrates on the practical, theoretical and material context of contemporary art and finds focus through the candidate's individual studio discipline.

Textbooks
Refer to program Reading List

STAT5001
Applied Statistics for Bioinformatics
Science

Credit points: 6 **Session:** Semester 1 **Classes:** one three hour seminar per week **Assessment:** computer exam and lab reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert App Sc (Bioinformatics), PG Coursework Exchange.

This is an introduction to statistics and data analysis used in Bioinformatics and many other areas of Biology. It aims to give an understanding of the concepts and the use of a major scientific statistical package, R. In addition to an introduction to ideas of analysis of data and statistical tests the unit will introduce ideas of simulation in resampling and the methods of clustering and classification of particular importance in Bioinformatics.

STUD5003
Studio Project Major 1

Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Examination of the candidate's studio project at the end of the year, preferably by one examiner internal to SCA and one examiner external to SCA. The studio work can be supported by visual and written documentation of work undertaken over the year. The candidate does not have to be present at the examination. For Further information Refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

Development and realisation of the candidate's proposed studio project in consultation with the candidate's supervisor. Work on the project continues over the full academic year. Students also undertake one Elective unit of study per semester from the Postgraduate Coursework electives available from respective studios.

Textbooks
Refer program Reading List.

STUD5004
Studio Project Major 2
Sydney College of the Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Assessment:** Examination of the candidate's studio project at the end of the year, preferably by one examiner internal to SCA and one examiner external to SCA. The studio work can be supported by visual and written documentation of work undertaken over the year. The candidate does not have to be present at the examination. For Further information Refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M C A E, M S A.

Development and realisation of the candidate's proposed studio project in consultation with the candidate's supervisor. Work on the project continues over the full academic year. Students also undertake one Elective unit of study per semester from the Postgraduate Coursework electives available from respective studios.

Textbooks
Refer program Reading List

SURG5001
Devel & Meas of Surgical Hlth Outcomes 1
Medicine

Credit points: 6 **Session:** Semester 1 **Classes:** 10x2hr modules. Participants will be able to achieve each module's objectives by completing the provided essential reading, working through the set questions and taking part in the tutorial. For each module, additional reading and resources will be provid **Assessment:** Participation (40%). Participation marks are awarded for the submission of set exercises and attendance of tutorial. Written assignment (60%). The written assignment will have relevance to each participants own speciality. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

This unit of study is taught by the Surgical Outcomes Research Centre.

The overall aim of this course is to provide participants with an understanding of key methodological concepts and issues needed to conduct high quality clinical and health services research. The course covers aspects of clinical epidemiology, outcome evaluation and health economic assessment with a focus on surgical research. The broad nature of the course will provide an introduction to key topics across these fields but may also serve as a means for participants to identify specific areas of interest that they would like to pursue in their own future research.

Course content includes: sources of bias in surgical studies; study designs in surgical effectiveness research; RCTs and problems with RCTs in surgery; development and evaluation of outcome measures; cost effectiveness analyses; quality of life and utility measures; evaluation of screening and diagnostic tests and systematic reviews and meta-analysis.

SURG5003
Devel & Meas of Surgical Hlth Outcomes 2
Medicine

Credit points: 6 **Session:** Semester 2 **Classes:** 8x2hr modules. Participants will be able to achieve each module's objectives by completing the provided essential reading, working through the set exercises and taking part in the tutorial. **Assessment:** Participation (40%). Participation marks are awarded for

the submission of set exercises and attendance of tutorial. Written assignment (60%). Participants will develop a research grant application for submission which will be assessed to NHMRC standards. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

The objective of this course is for participants to apply the knowledge and skills acquired in Part 1 to develop their own research proposal relevant to their speciality or research interest. The standard of the proposal will be to that of a peer-reviewed grant such as NHMRC. In addition to completing the research proposal, participants will face questions from a mock interview panel about their submission.

Content includes the practical aspects of developing a research proposal including: literature review; grant writing skills; use of appropriate outcome measures; minimising bias; study design, recruitment and follow up and analytic frameworks.

Participants will discuss their proposal within tutorials and gain feedback and advice from their peers and tutors.

SURG5007
Dissertation A
Medicine

Credit points: 9 **Session:** Semester 1, Semester 2 **Classes:** 6hr/week independent supervised research **Assessment:** Candidates will be required to submit the dissertation in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

The dissertation is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The dissertation is in Parts A and B, both of which will be completed in a minimum of one year of full time study or two years of part time study.

SURG5008
Dissertation B
Medicine

Credit points: 9 **Session:** Semester 1, Semester 2 **Classes:** 6hr/week independent supervised research **Assessment:** Candidates will be required to submit the dissertation in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

The dissertation is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The dissertation is in Parts A and B, both of which will be completed in a minimum of one year of full time study or two years of part time study.

SURG5009
Cerebral Circulation for Neurosurgeons
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Michael Morgan **Session:** Semester 1, Semester 2 **Classes:** 7x3hr tutorials through semester **Assessment:** Presentation during the tutorial of three formative assessment tasks and submitting three summative assessment tasks during the semester. Each assessment task will be referenced against criteria established to assess understanding and all tasks will need to be satisfactorily passed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Surg, M S.

The aim of this unit is to understand the pathophysiological and the clinical responses to abnormalities of the cerebral circulation. At the end of the unit, students will understand blood flow of the brain and its control and apply this understanding to explain the consequences of its interruption.

The initial 1 hour tutorial will develop the evaluation procedure and an outline of the assessment tasks for the module. The teaching-learning activity will be based on three modules: A: Pressure profile along the cerebral vasculature and vessel structure, B: The microcirculation and its control, and C: Focal ischaemia of the brain. Each module will consist of both a formative and a summative assessment that is constructively aligned with the module. The learning task will completed with the tutorial, personal study and completion of the formative and summative assessments. At the end of module C, 45 minutes will be devoted to completing the evaluation of the unit of study.

Textbooks
Notes distributed during class.

SURG5010
Dissecting the Sylvian Fissure
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Michael Morgan **Session:** Semester 1, Semester 2 **Classes:** equivalent of 1.5 hours tutorial per week (as a guide, each Sylvian dissection will take 1 hour) **Prerequisites:** SURG5009 **Assessment:** summative assessment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Dip Surg, M S.

Central to the microsurgical skills necessary for a neurosurgeon is the dissection of the Sylvian fissure. The learning outcome is to enhance the abilities of Neurosurgical trainees or Neurosurgeons to clip an aneurysm with an adequate Sylvian fissure dissection.

The assessment tasks would be both formative and summative. The formative assessment will provide feedback to the trainee. The procedure of the assessment task (both formative and summative) would be to video that part of the operation for the clipping of an aneurysm that required microscopic dissection and send the DVD, along with the post-operative CT scan and report of the clinical outcome of the case to the supervisor of this module.

The trainee should send this information during the course to Professor Morgan as often as the candidate wishes and elects to send three recording when they are confident to submit for a summative assessment. This would then be judged as to competency based on observable skill demonstration.

The candidate must have access to a hospital based neurosurgical supervisor with the capacity to video record with the microscope. The supervisor at the hospital will need to be approved by the University supervisor and those wishing to consider this elective need the prior approval of the course coordinator. This learning activity can only be performed in the circumstances of the candidate's usual practice or level of neurosurgical training.

Textbooks
Notes provided.

SURG5011
Imaging Surgical Patients
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor John Preston Harris **Session:** Semester 2 **Classes:** 1x1hr lecture plus 1x1hr tutorial and 4hr directed study per week **Assessment:** practical assignment involving case studies requiring investigation leading to diagnosis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

The unit of study aims to introduce all types of imaging relevant to the practice of surgery, to understand the underlying physical and technological principles upon which imaging relies and to know the indications for use and complications of imaging. By the end of the unit students will understand the scientific basis of the various imaging modalities and the indications for their use and appreciate the importance of protection of patients and personnel from the harmful effects of imaging.

The contents of the unit are: B mode, spectral analysis and duplex ultrasound; computerised tomography; magnetic resonance; positron emission tomography; radio isotope imaging; angiography; imaging guided therapeutic techniques and safety measures in imaging.

Textbooks
Current surgical literature - references supplied.

SURG5012
Surgical Metabolism
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor Ross Smith **Session:** Semester 2 **Classes:** 1x1hr lecture plus 1x2hr tutorial plus 4hr directed study per week **Assessment:** attendance, assignments, open book essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

The aims of the unit are for the student to acquire knowledge of body composition in health and malnutrition and to understand adaptive response of the body to stress, trauma and sepsis. By the end of the unit the student will become competent in providing enteral and parenteral nutritional therapy to metabolically compromised patients.

Content includes body composition in health and malnutrition; measurement of malnutrition; sequence of stress response; enteral nutrition and parenteral nutrition.

Textbooks
Current surgical literature - references supplied.

SURG5013
Safety in Surgery
Medicine

Credit points: 6 **Teacher/Coordinator:** Associate Professor John Andrew Cartmill **Session:** Semester 1 **Classes:** 1x1hr lecture plus 1x2hr tutorial for 3weeks, plus 4hr directed study per week and 1x3day seminar **Assessment:** attendance and practical assignments involving case studies **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Surg, M S.

This unit of study aims to gain insight into safety in surgery from dual perspectives; that of the individual surgeon 'on the spot' as well as the broader social, technological and political context. At the end of the unit, students will have learned to appreciate performance limitations of individuals and teams, develop personal safety skills and behaviours and develop skills in debriefing, incident analysis and disclosure

Content includes generic industrial accidents, mishaps and near misses; human factors, psychology and surgical decision making, team theory and critical incident debriefing, incident analysis and disclosure.

Textbooks
Current surgical literature - references supplied.

SURG5014
Principle & Practice of Transplantation
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Alexandra Sharland, Professor Richard Allen **Session:** Semester 2 **Classes:** The unit is delivered online and will require approximately 10 hours study per week. **Prerequisites:** PUBH5018 **Assessment:** Formative mcq assessment of introductory material and immunobiology, 6 clinical cases - participation 5% each (30% total), preliminary structured case-commentary after 3 cases (10%), structured case commentary in final week (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Associated degrees: Grad Dip Surg, M S.

Over 15,000 Australians have or will develop end-stage organ failure this year, and this number is expected to grow exponentially with the rise in underlying conditions such as diabetes and hepatitis C. Organ transplantation is thus becoming increasingly important as a therapeutic modality. This unit of study will introduce students to the fundamental principles of transplantation immunobiology, and will provide an overview of the surgical and medical management of donors and recipients. Course participants will also explore the demographics, underlying conditions and co-morbidities of transplant recipients, the role of randomised clinical trials in the management of transplant immunosuppression, and the ethical aspects of transplantation. The major learning activities of this unit will be based around six cases in clinical transplantation.

Textbooks
Current transplantation literature - linked to online teaching materials.

SURG5015
Surgical Anatomy: History & Application
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor James May, Professor Pierre Chapuis and Dr David Storey **Session:** Semester 1 **Classes:** 9x2hr evening seminars. Participants will be provided with instruction for home study in preparation for each session. **Assessment:** learning summary (70%) each week participants will be required to submit a 1 to 2 page written summary of the key issues from the previous week; 1xwritten assigment (30%) participants will complete a written assignment on a topic of relevance to their own surgical specialty by the completion of the course **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Dip Surg, M S.

The objective of this unit of study is for participants to develop an appreciation of the importance of historical contributions to surgical anatomy and the application of anatomy to surgical exposure. This unit of study will introduce students to key areas of anatomy at an advance level. Where appropriate laparascopic identification and orientation of anatomical structures and recognition of anatomical structures on computed tomography and magnetic resonance imaging will be included. Course participants will also explore the underlying anatomical basis of guidewire and catheter based intervention in addition to the anatomical advantages and limitations of surgical incisions. By the end of the course, participants will have developed a surgical exposure based on anatomy of relevance to their own specialty.

Textbooks
References supplied to course participants. Acland's DVD Atlas of Human Anatomy

SURG5016
Vascular and Endovascular Surgery
Medicine

Credit points: 6 **Teacher/Coordinator:** Professor John Harris, Professor Geoffrey White and Dr Steven Dubenec **Session:** Semester 2 **Classes:** 9x2hr evening seminars. Participants will be provided with instruction for home study in preparation for each session. **Assessment:** learning summary (70%) Each week participants will be required to submit a 1 to 2 page written summary of the key issues from the previous week; 1xwritten assignment (30%) Participants will complete a written assignment on a topic of relevance to their own surgical specialty by the completion of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Dip Surg, M S.

The objective of this unit of study is for participants to develop a greater understanding of the anatomy, pathophysiology and treatment options for peripheral vascular disorders by open or endovascular means. This unit of study will introduce students to key areas of vascular anatomy and pathology at an advanced level. Where appropriate, vascular imaging will be incorporated. Course participants will also be exposed to other relevant disciplines, including cardiology, radiology and endocrinology. By the end of the course, participants will have developed a critical knowledge of the academic basis for contemporary vascular surgery.

Textbooks
References supplied to course participants. Rutherford RB (ed) Vascular Surgery, 6th Edition 2005

SURG5020
Advanced Laparoscopic Abdominal Anatomy
Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Christopher John Young **Session:** Semester 1 **Classes:** 10x2hr tutorials **Assessment:** Presentation of worksheets and attendance at each tutorial (40%= 10x 4% per tutorial), assignment (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

Associated degrees: Grad Dip Surg, M S.

The course will deliver focused sessions on applied laparoscopic anatomy, pertinent to specific procedures in colorectal, upper gastrointestinal, general, urological and gynaecological surgery. Video, other visual and printed material will be used to aid teaching of the abdominal, pelvic and retroperitoneal laparoscopic anatomy involved in these procedures. Printed material and worksheets will be read and completed prior to each session. Sessions will comprise one hour on anatomy, 30 minutes on technological and science issues regarding translation of applied anatomy to the laparoscopic perception, and 30minutes on developing and presentation of the course assignment which will be the preparation of an audiovisual teaching tool on the advanced laparoscopic anatomy of a specific operation of interest to the student.

Textbooks

Notes will be distributed prior to the course commencing.

University postgraduate units of study – T

THGR5000
Thesis Grade
Pan-Faculty

Session: Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M A (Res), M Phil (Arts).

This unit is used only for the purpose of recording the thesis grade for a student.

TPTM6115
Organisational Logistics
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block/intensive mode 6 days, 9am-5pm **Assessment:** Class test; Group case analysis; Final exam (open book) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Dip Com, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, M T M, M U R P, PG Coursework Exchange.

The aim of this unit is to provide an integrated approach to both micro and macro aspects of organisational behaviour particularly related to the transport and logistic industries. The unit examines actions at three different levels of analysis: the individual, the group and the organisation and is divided into three parts. Part 1 covers the strategic thinking and the general environment affecting the work place. It also examines the fundamentals of individual at work. Part 2 focuses on work teams, power and conflict, and leadership in organisations. Part 3 attends to organisational structure, culture and strategic change management. The integration of these 3 parts would provide participants with the knowledge and skills to manage his/her organisation effectively particularly in the transport and logistic industries.

TPTM6130
Transport and Logistics Economics
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 7 days, 9am-5pm **Assessment:** Individual demand report; Evaluation assignment; Individual class presentation; Group Powerpoint presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert T M, Grad Dip Com, M Bus, M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M, M U R P, PG Coursework Exchange.

Transport and Logistics Economics provides an essential set of skills for the management of the transport system in the private and public sector and across all modes in the freight and passenger sectors, both domestically and globally. This unit provides an essential set of skills for the management of the transport and logistics system for both the private and public sector and across all modes in the freight and passenger sectors. The unit provides an introduction to transport issues that benefit from an understanding of key economic ideas. This unit does not require a previous background in economics. The unit is divided into a number of modules: policy themes, travel demand and choice; costing, Strategic assessment of transport distribution-related policy instruments (TRESIS); pricing and infrastructure. Examples are drawn from the freight and passenger sectors as well as all modes of transport. We use case studies to highlight the role of economics in the management of transport systems. We do, however, believe that some aspects of the unit must concentrate on identifying relevant theory before the selection of case study approaches can be fully appreciated. By design we will be selective in topics and methods, preferring to equip participants with insights into some key methods rather than a superficial overview of a wider range of theories and methods. The specialised rigour will provide appropriate training for tackling other topics, in other units, in more detail beyond these three modules. The material is of especial relevance to majors in transport and logistics.

TPTM6155
Logistics and Supply Chain Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Block/intensive mode 6 days, 9am-5pm OR 5 days 9am-5pm (depending upon offering session) **Assessment:** Group research project; Group presentation; Class participation; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: TPTM6155 must be taken in the first period of study for students enrolled in a logistics program. It is a pre- or corequisite for TPTM6170, TPTM6190, TPTM6270 and TPTM6310. However, any student who has extensive practical experience in the logistics industry, if they so wish, can apply to substitute another UoS for TPTM6155. They must provide a CV and covering letter outlining their experience, and email this to Professor David Walters (davidw@itls.usyd.edu.au) well before the 4 week period of enrolment change otherwise extra fees will be required.

Associated degrees: Grad Cert Log Man, Grad Dip Com, Grad Dip T M, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, PG Coursework Exchange, PG Summer/Winter School.

Logistics management is one of the foundation blocks of any successful business. Unless an organisation can manage and coordinate the movement of materials, information and cash through its business, and those of partner organisations, it is unlikely to outperform its competitors. Furthermore organisations rarely compete as fully integrated organisations; typically they are part of increasingly interdependent networks. The operational disciplines of the successful organisation are responsible for developing and managing its response to market opportunities, and supply chain management is the key to a successful response. This unit provides an understanding of these two important concepts. It offers an in depth examination of both concepts then demonstrates how together they contribute towards a strategically effective and operationally efficient organisation.

TPTM6160
Aviation Management and Logistics
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Block/Intensive mode 6 days, 9am-5pm **Assessment:** Individual research report; Group project; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, M Bus.

The aviation industry is changing rapidly with resulting commercial opportunities in airlines and airports. This unit especially focuses on the role that aviation management plays as part of local and global logistics and supply chains. This emphasis is one of the main challenges facing the delivery of efficient and effective passenger and cargo aviation services. In this context students will understand the importance of multi-modality in the choice of transport mode in servicing the distribution chain. Participants in this course will develop an understanding of the economics of operating airlines and airports and the implications of competitive strategies for the development of hubs and networks. Airline topics include finance, marketing, the formation and management of alliances, yield / revenue management, travel sales and distribution. The growth in air traffic in the region is placing strains on airport capacity and the course covers forecasting, airport planning, externalities of airports, pricing airport use, investment

decisions, and the role of the private sector in airport development and operation. The unit involves individual work.

TPTM6170
Value Chain Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Block/intensive mode 6 days, 9am-5pm **Corequisites:** TPTM6155 **Assessment:** Individual research report; Group project; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: TPTM6155 must be taken as either a prerequisite or corequisite for this unit of study.

Associated degrees: Grad Cert Log Man, Grad Dip Com, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, PG Coursework Exchange, PG Summer/Winter School.

Business now operates in an environment which is increasingly dynamic and challenging: globalisation, falling tariff barriers, all-embracing technology, information and communication sciences, excess capacity and product customisation expectations from customers are rapidly becoming norms. A new formula for success is apparent among the successful companies. An organisation's competitive advantage is now based on a new set of distinctive capabilities that have evolved from their unique relationships with suppliers and customers, their understanding and management of technology and the creation and use of knowledge. This unit considers this new business environment and explores the new concepts that it has brought with it. It considers the central role of the customer in formulating product-service strategies through the medium of the demand chain. It also explores the intra and inter-organisational relationships that are now important to business success.

TPTM6180
Geographical Information Systems
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Block/intensive mode 6 days, 9am-5pm **Assessment:** Tutorial exercises; Group project; Group and individual presentation; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Com, Grad Dip T M, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M, M U R P, PG Coursework Exchange.

Decision making in transport planning, marketing and logistics requires access to a wider range of information than has been traditionally used in these areas. This requirement represents one of the practical limitations of the traditional process that Geographical Information Systems (GIS) can address. This unit introduces basic concepts and the potential benefits and barriers of GIS. Students are equipped with general GIS procedures and techniques for applications in planning and marketing. Practical work is based on the use of the TransCAD GIS software package. Case studies in transport planning, marketing and logistics are the focus of GIS software demonstration and computer laboratory work. No prior knowledge of GIS is assumed. Students will learn both the theory and practice of GIS, through a project-based approach. The expected learning outcome from the unit is to give students the ability to conduct and evaluate a GIS case study in terms of conceptualisation; implementation of a data model; the use of GIS tools and techniques; benefits and barriers of the implemented system; and making a proposal for further improvements. This unit will appeal to all students interested in the spatial impact of decisions.

TPTM6190
Logistics Systems
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block/intensive mode 6 days, 9am-5pm **Corequisites:** TPTM6495 and TPTM6155 **Assessment:** Written assignments; Class participation; Presentation; Final report; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: TPTM6155 and TPTM6495 must be taken as either prerequisites or corequisites for this unit of study.

Associated degrees: Grad Dip Com, Grad Dip Log Man, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, PG Coursework Exchange.

This course provides an in-depth introduction to various analytical tools, techniques and software which are useful in the design and day to day operations of logistics organisations and integrated supply chains. Emphasis in the course is on which tools to use and when to use them in order to improve the overall performance and reduce costs in operating within supply chains. The course will be taught from a managerial performance, addressing issues such as better forecasting, inventory management and transportation. The course is taught in lecture and lab formats and will in addition involve significant self instruction.

TPTM6200
Maritime Logistics
Economics and Business

Credit points: 6 **Session:** Winter Main **Classes:** Block/intensive mode 6 days, 9am-5pm **Assessment:** Written assignments; Class participation; Presentation; Final report; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, M Bus, M Com, M Log Man, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, M Com, PG Summer/Winter School.

The growth of international trade and the globalisation of production have considerably increased the impact of international and maritime logistics. Trade growth has resulted in a rapid increase of shipping value and tonnage led by containerized trade. Containers and intermodal transportation have improved the efficiency of global supply chains allowing for an efficient, quicker and more economical flow of cargo. This course is designed to familiarize students with the special characteristics of the maritime industry in general and the container shipping industry in particular. The course includes topics such as international trade and maritime logistics, maritime logistics in the supply chain context, port requirements, liner alliances, fleet management, routing and scheduling, intermodal transport, security, and technology in maritime logistics.

TPTM6224
Intelligent Transport & Logistic Systems
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 6 days, 9am-5pm **Corequisites:** TPTM6155 **Assessment:** Business model; Short answer paper (group assignment); Short answer test; Individual assignment; Group assignment; Individual essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: TPTM6155 must be taken as either a prerequisite or corequisite for this unit of study.

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, M Bus, M Com, M Log Man, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, M Com, M T M, M U R P, PG Coursework Exchange.

In this rapidly changing world, it is increasingly critical that transportation and logistics professionals have knowledge and expertise of how advanced/intelligent technologies can enhance the safety, security, sustainability and efficiency of their operations. To this end, this Unit of Study will provide students with knowledge and understanding of the rapidly developing fields of Intelligent Transport Systems [ITS], including intelligent vehicle systems (typically called Telematics) and supply-chain and other intelligent logistics systems. The Unit includes closely related material on Information and Communications Technology [ICT], especially wireless communications, location-based services and distributed information processing in advanced intelligent networks. Most IT&LS systems rely heavily on advanced sensor devices and interfaces human and inter-system and these are discussed with their respective strengths and limitations. Applicable modelling and analysis techniques are discussed and demonstrated in tutorial exercises and assignments. The Unit aims to prepare the student for a role in transport and logistics systems project design and performance assessment, including the ability to communicate effectively with specialist development agencies.

TPTM6260
International Logistics
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block/intensive mode; Semester 1, 11 half days am or pm; Semester 2, 6 days, 9am-5pm **Assessment:** Group research project; Group presentation; Class contribution; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Dip Com, M Bus, M Int Bus, M Int Bus & Law, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, PG Coursework Exchange.

The trend toward an integrated global economy and global competitive arena is forcing companies to design products for the global market and to rationalise their production and distribution activities so as to maximise corporate resources. As a result, logistics in international operations has gained strategic importance. This unit takes a very strategic view of international logistics and deals with logistics from inland origin to final destination covering broad issues of system design and those associated with aspects of international transport, and location and distribution. It takes into account various issues in international operations such as differences in cultures, infrastructure, and transportation systems. The unit integrates concepts with examples of company practices in Australia and elsewhere.

TPTM6270
Innovations in Logistics & Supply Chains
Economics and Business

Credit points: 6 **Session:** Winter Main **Classes:** Block/Intensive mode 6 days, 9am-5pm **Corequisites:** TPTM6155 **Assessment:** Group research paper; Group presentation; Class participation; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: TPTM6155 must be taken as either a prerequisite or corequisite for this unit of study.

Associated degrees: Economics PG Non-Degree, Grad Cert Com, Grad Cert Ec (Soc Sc) A P E, Grad Cert Int Bus, Grad Cert Log Man, Grad Cert T M, Grad Dip Com, Grad Dip Int Bus, Grad Dip Log Man, Grad Dip P A, Grad Dip T M, M Bus, M Com, M Ec, M Ec (Soc Sc), M Ec (Soc Sc) A P E.

The global marketplace drives Australian logistics and supply chain businesses to look for radically new ways of doing business and be innovative. Much of the documented experience on innovation typically comes from product innovation and innovations in highly technological areas. This unit takes a different focus and examines innovation practices and processes in logistics and supply chains. Based on real Australian logistics and supply chain cases the objective of this unit is to identify key management principles, introduce underlying theory and capture the success factors for innovative practices in logistics and supply chain management. This unit will provide opportunity for students to research, to critically evaluate and to discuss logistics innovation.

TPTM6280
Special Topic: Transport Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Log Man, Grad Cert T M, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M.

This special topic UoS is available with special permission as elective units (including substitute for TPTM6155 where approved). Typically these UoS are available for project-related activities.

TPTM6290
Special Topic in Supply Chain Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, M Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M.

This special topic unit of study is available with special permission as an elective unit (including as a substitute for TPTM6155 where approved). Typically these units of study are available for project-related activities.

TPTM6300
Special Topic in Logistics Management
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Log Man, Grad Cert T M, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M.

This special topic UoS is available with special permission as elective units (including substitute for TPTM6155 where approved). Typically these UoS are available for project-related activities.

TPTM6310
Project Management in Supply Chains
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Block/intensive mode 6 days, 9am-5pm **Corequisites:** TPTM6155 and TPTM6495 **Assessment:** Written assignments; Class participation; Laboratory assessments; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: TPTM6155 and TPTM6495 must be taken as either prerequisites or corequisites for this unit of study.

Associated degrees: Grad Dip Com, Grad Dip Log Man, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M, M T M, M U R P, PG Coursework Exchange.

This course focuses on project management for logistics and supply chain management. A combination of lectures and case studies will be used for demonstrating project management theories and strategies. Logistic examples are used extensively throughout this course to cover the PMBOK topics of planning, scope management, time, cost and quality management. Front-end planning is critical to project success. Planning consumes only a fraction of project monies yet locks in major decisions with profound ramifications for the whole of project life and the end results to the changes in supply chains. Project success is based on the ability of project managers to lead their teams to finish their project on time, on (or under) budget and to the specified quality. Therefore, practical knowledge of Microsoft Project, a software tool which is commonly used by project managers, will be covered to enhance practical skills on project planning and tracking.

TPTM6330
Research Project
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of at least three TPTM units with an average grade of distinction or higher. **Assessment:** Proposal; Interim report; Final report; Final presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Log Man, Grad Cert T M, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M.

This unit provides the opportunity for students to investigate a particular topic/area in the transport/logistics field through a one semester long independent research project conducted under the supervision of an academic staff member at ITLS. Students will be provided with a selection of topics, or they will be able to propose their own reflecting their personal/professional interests. On the basis of their selected topic, the student will prepare a proposal, undertake the study and document the findings in a professional report and final presentation

TPTM6350
Land Use and Transport Planning
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Block/intensive mode 6 days, 8am-4pm **Assumed knowledge:** Basic statistical concepts **Assessment:** Individual homework assignments; Group homework assignments; Pop quizzes;

Class participation; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Com, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M, M T M, M U R P, PG Coursework Exchange.

Land Use and Transport Planning introduces the conventional four-step travel forecasting procedure, plus land-use forecasting, as currently applied in urban areas throughout the world. The main topics include an overview of the transport planning system, land-use models (Lowry and simulation models), network construction, data requirements, trip generation models, trip distribution models, mode choice models, highway paths and assignment, transit paths and assignment, validation and acceptance testing, and forecasting. The course will also include practical demonstrations using transportation forecasting software. The course will be of particular value to students majoring in transportation, logistics, marketing and urban planning. The focus is on the application of statistical models in real world settings.

TPTM6360
Traffic Systems Management and Control
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Block/intensive mode 6 days, 8am-4pm **Assumed knowledge:** Basic calculus and algebra **Assessment:** Homework assignments; Class presentations, Pop quizzes; Class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Dip Com, Grad Dip T M, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M, M U R P, PG Coursework Exchange.

Ensuring the safe and efficient movement of passengers and goods on our streets and highways is a critical component of urban economic development and quality of life. Meeting this challenge is the central mandate for traffic engineering professionals. In this unit, students will gain a strong understanding of the major roles, responsibilities and technical expectations of such professionals, which are required by both public and private sector employers in this field. Initially, we define a framework/context for traffic engineering and management, which forms the basis for subsequent modules. We then focus on those characteristics and limitations of the users of the road traffic system (humans and vehicles), which underpin engineering considerations. We then gain theoretical and practical understanding of basic traffic variables (speed, density, flow) and analytical techniques such as gap acceptance, queuing theory, capacity analysis and shockwave analysis. Following this, we will see how to design key system elements (alignments, intersections, cross-sections) for a variety of road users including cars, trucks, buses, cyclists and pedestrians. Finally, we consider the critical issue of road safety and how we go about identifying and rectifying problems in the road network. Student learning will be assessed through tutorial/exam-style questions to assess basic understanding and analysis skills and two group-based projects typical of those conducted by traffic engineers to gain an appreciation of how these principles are applied in practice. The course will be of particular value to students majoring in transportation, logistics and urban planning and design.

TPTM6425
Survey Design and Management
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 7 days, 8:30am-4:30pm **Corequisites:** TPTM6495 **Assumed knowledge:** Basic statistical concepts **Assessment:** Two quantitative assignments; Class Presentations; Pop quizzes: Class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Students must take TPTM6495 as either a prerequisite for OR a corequisite with this unit of study.

Associated degrees: Grad Dip Com, Grad Dip T M, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M Log Man, M T M, M T M, M U R P, PG Coursework Exchange.

This unit introduces students to the concepts of designing and implementing data collection procedures, particularly through surveys of human populations. The unit introduces simple sample designs, and covers the design of data-collection instruments, protocols for undertaking surveys of human populations, pilot surveys and pre-tests, survey ethics, survey administration, coding and archiving of data, computation of sampling errors and population statistics, response rates and other measures of survey quality, and validation of survey data. The unit also includes discussion of applications of advanced technology to surveys, such as Internet surveys, surveys using GPS devices, and other remote sensing techniques. The unit is of particular value to students majoring in transportation, logistics, marketing and urban planning.

TPTM6440
International Freight Transportation
Economics and Business

Credit points: 6 **Session:** Winter Main **Classes:** Block/intensive mode 6 days, 9am-5pm **Assessment:** Take-home exam; Individual written assignment; Group written assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, M Bus, M Int Bus, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, M U R P, PG Summer/Winter School.

This unit seeks to give students an understanding of the dynamics of the express, air freight and shipping business. The course will discuss underlying drivers of international trade flows and the demand for capacity in different freight transport modes, as well as industry structure, regulatory environment and market access. Building on this background the course will highlight the implications for profitable air cargo and shipping operations. Particular focus will be given to fleet and network planning, revenue and cost management.

TPTM6450
Transport Policy
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 6 days, 8:30am-4:30pm **Assessment:** Homework assignments; Class presentations; Class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert T M, Grad Dip Com, Grad Dip Log Man, M Bus, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, M U R P, PG Coursework Exchange.

This unit introduces students to the basic concepts of transport policy and decision making, including a look at the make up of the transport sector, relationships between planning, design, decision-making, and policy, the sources of funding for transport, organisation of the transport sector, the nature of decision making, the development of policy, and the relationships among short-term, long-term, and strategic planning. The unit introduces a number of contemporary policy issues, such as congestion, greenhouse gas emissions, transport and obesity, investment in public transport, road user charging, other environmental impacts of transport, sustainable transport systems, etc. This unit is of particular value to students majoring in transport, logistics, marketing and urban planning.

TPTM6470
Sustainable Transport& Logistics Systems
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Block/intensive mode 6 days, 9am-5pm **Prerequisites:** TPTM6155 **Assessment:** Individual homework assignments; Group homework assignments; Pop quizzes; Class participation; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, Grad Dip T M, M Bus, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, PG Coursework Exchange.

How can we accommodate society's expanding demand for the movement of passengers and freight in a way that is environmentally and socially sustainable into the future? This unit introduces students to the major environmental issues that must be considered in contemporary transport and logistics operations including climate change, regional and local air pollution, noise pollution, amenity, safety and reverse logistic practices. We look at the contribution of particular modes of travel to these problems, including road-based passenger and freight transportation, shipping and aviation. We then identify

policy options for mitigating the impacts, focusing on technological, behavioural and emerging pricing options including emissions trading. We then address the rapidly emerging issue of reverse logistics, which is associated with companies being forced to take responsibility for their waste and waste disposal costs. Throughout the unit, we focus on what is going on in both the developed and developing world where both the magnitude of the problems and policy options to mitigate them are quite different. The unit is of particular value to students majoring in transport, logistics, environmental planning, and urban planning.

TPTM6495
Analysis Tools for Transport & Logistics
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Block/intensive mode 6 days, 9am-5pm **Assessment:** Individual assignment; Computer exam; Group assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert Log Man, Grad Cert T M, Grad Dip Com, M Bus, M Int Bus, M Com, M Int Bus, M Log Man, M Int Bus, M T M, M Log Man, M T M, M T M, M U R P, PG Coursework Exchange.

Quantitative analysis is a key activity in developing successful business strategies in the areas of transportation and logistics management. Successful business strategies are generally based on information collected in systematic studies of market behaviour and the preferences of players within the market. Such information is used to make predictions of market requirements, so that business strategies can be evaluated before they are actually implemented. It is therefore important that students majoring in transport and logistics understand the principles of quantitative analysis and know how to do conduct their own quantitative analysis of the market place. This unit of study provides an introduction to the theory and principles of quantitative analysis of transport and logistics markets through lectures, tutorials, and practical assessments requiring the analysis of various types of data. Classes and assessments are designed so that the student will learn how to undertake quantitative research in a practical manner relevant to the transportation and logistics sectors.

TPTM7001
Supply Chain & Logistics Mgmt Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfilment of the requirements for the degree of Master of Commerce with Honours.

TPTM7002
Supply Chain & Logistics Mgmt Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

TPTM7011
Transport Management Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Disseration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

TPTM7012
Transport Management Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

University postgraduate units of study – U

USSC6901
Fundamentals of US Studies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Betsi Beem **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Assessment:** Class participation including online discussion 30%; 2 x essays (1000 words each) 30%; research essay (3000 words) 40% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is only offered to candidates in the US Studies program.

Associated degrees: Grad Cert Arts, Grad Cert US Stud, PG Coursework Exchange.

This unit introduces students to the foundations of American politics, economics, society and culture, examining the interplay of major actors and ideas from these spheres. It will familiarise students with the variegated landscape of America through analysing contemporary issues using interactive approaches to learning. Students will survey how America's political framework either engages with or impedes social and economic actors and how these dynamics are reflected in and supported or undermined by the media and artistic expression.

USSC6902
US Politics: Competing Centres of Power
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Betsi Beem **Session:** Semester 1 **Classes:** 2 hours per week **Assessment:** Class participation 10%; Web-based simulation tasks 60%; essay (2000 words) 30% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Int S, Grad Cert P P, Grad Cert US Stud, Grad Dip Com, M Bus, PG Coursework Exchange.

This unit will examine US domestic politics through analysing the federal structure and separation of powers within the American political system. This understanding will provide an appreciation of the porous nature of US political institutions, offering social actors a variety of venues and opportunities to influence political decision-making. It will examine the factors that make some arenas more open than others and strategies that groups and political actors take to secure or prise open those avenues for change.

USSC6903
US Foreign and National Security Policy
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Leanne Piggott **Session:** Semester 2 **Classes:** 3 hours per week from Week 4 **Assessment:** Class participation 10%; policy briefs (2 x 1000 words) 30%; essay (3000 words) 40%; crisis response paper (1000 words) 20% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Int S, Grad Cert Int Sec, Grad Cert P P, Grad Cert US Stud, Grad Dip Com, M Bus, M Int Bus, PG Coursework Exchange.

This unit will examine US foreign and security policy formulation and implementation throughout the twentieth and twenty-first centuries. It will consider US military policy, foreign economic policy, foreign energy and resource policy, policy on human rights and democracy overseas, and US responses to the proliferation of WMD and trans-national terrorism. The unit will conclude by examining US foreign and defence policy in the aftermath of 9/11, the Iraq War, and other contemporary security challenges facing the US.

USSC6904
US Financial Institutions and Culture
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Professor Johnstone **Session:** Semester 1 **Classes:** 3 hours per week from week 4 **Assessment:** Class participation 10%; analytical review essays (4 x 1000 words) 60%; Internet-based research project (2000 words) 30% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert US Stud, Grad Dip Com, M Bus, M Int Bus, PG Coursework Exchange.

This unit is designed to introduce the effects of the way of thinking that dominate the US Corporations and financial markets on US society and business practices. These include the cultural influences of major financial institutions, particularly those of the contemporary investment banking industry and business consulting firms. The theory and practice of financial economics has developed over the past 40 years the extent that it is one of the dominant drivers of life in America, even for those who have no direct contact with financial markets or institutions. The subject will introduce relevant financial theory and study its influence from both rational-economic and critical-political-sociological perspectives.

USSC6905
US Economic Policy and Regulation
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Professor Johnstone **Session:** Semester 2 **Classes:** 3 hours per week from week 4 **Assessment:** Class participation 10%; essay (3000 words) 40%; reading briefs (5 x 500 words) 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert US Stud, Grad Dip Com, M Bus, M Int Bus, PG Coursework Exchange.

This unit studies the ways in which economic and regulatory policies and institutions drive the business and social environment in the United States. Macro-economic policy, micro-economic reforms and changes to the legal framework and legal institutions have a fundamental effect on the impetus for research and development, the qualities of domestic and imported goods and services, the incentives for business and societal innovations, the extent and fairness of competition, the advancement of employment equity, the quality of education, the improvement of productivity, the attainment of social benefits and social equity, the mechanisms for rapid and equitable information transfer, the minimisation of surveillance and enforcement costs, and the equitable sharing of income and risks within US society.

USSC6910
Special Topics in US Studies
Arts

Credit points: 6 **Teacher/Coordinator:** Visiting scholar **Session:** Semester 2 **Classes:** March 4, 6, 8 (6 hours); 11, 13, 15 (6 hours); 18, 20 (3 hour classes except as noted). **Assessment:** Class participation 10%; 2 essays (2000 words each) 60%; examination 30% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Int S, Grad Cert P P, Grad Cert US Stud, PG Coursework Exchange.

This unit will examine a special topic in contemporary US Studies. It will be taught by a visiting scholar from the United States, an expert in his or her field. For further details, contact the Director of the US Studies program.

USSC6911
Issues in Power and Democracy
Arts

Credit points: 6 **Teacher/Coordinator:** Visiting scholar **Session:** Semester 1 **Classes:** March 4, 6, 8 (6 hours); 11, 13, 15 (6 hours), 18, 20 (3 hour classes except as noted). **Assessment:** Class participation 10%; 2 x policy briefs (1000 words each) 30%; essay (3000 words) 30%; examination 30% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Int S, Grad Cert P P, Grad Cert US Stud, PG Coursework Exchange.

This unit will examine an issue in contemporary US Studies related to the Power and Democracy stream in the program. It will be taught by a visiting scholar from the United States, an expert in his or her field. For further details, contact the Director of the US Studies program.

USSC6912
Wealth Creation and Rights Protection
Economics and Business

Credit points: 6 **Teacher/Coordinator:** Professor Johnstone **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Class participation 10%; essay (4000 words) 60%; examination 30% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert US Stud, PG Coursework Exchange.

This unit will examine an issue in contemporary US Studies related to the Wealth Creation and Rights Protection stream in the program. It will be taught by a visiting scholar from the United States, an expert in his or her field. For further details, contact the Director of the US Studies program.

USSC6914
Key Issues in American Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Robertson **Session:** Semester 1 **Classes:** 2 hours per week + approx 30 mins online participation per week **Assessment:** 1 x oral task (500 words); 2 x online tasks (500 words each); 1 x research essay (3500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Int S, Grad Cert P P, Grad Cert US Stud, PG Coursework Exchange.

This unit proposes a week-by-week engagement with some of the defining moments in US cultural history. Working from the premise that ideas in the US are cultural and political acts, the unit constructs a chart of the nation's salient (and often critical) intellectual projections. Blending written texts with works of visual art, high with 'low' culture, the course offers a close encounter with a misunderstood intellectual tradition and shows its relevance to the present.

USSC6915
Contemporary American Media
Arts

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 2 **Classes:** 2 hours per week + approx 30 mins online participation per week **Assessment:** Online reading and media analysis (5 x 500 word entries); case study (2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert Media Prac, Grad Cert Strat Pr, Grad Cert US Stud, PG Coursework Exchange.

This unit overviews current issues in American media studies, including the relationship between democracy and media production, theories of media influence, approaches to audience analysis, and trans-national media spheres. It emphasises the diversity of forms, texts and practices that make up the contemporary American media and the cultural flows between the US and the rest of the world. Examples include the press, advertising, genre television, narrative cinema, "current affairs", popular music, radio, and gaming and Internet cultures.

USSC6916
Research Essay in US Studies
Arts

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Assessment:** Research essay of 6,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Available to Master of US Studies candidates only.

Associated degrees: Grad Cert Arts, M US Stud, PG Coursework Exchange.

Students will undertake research essay of 6,000 words on an approved topic under the guidance of a supervisor from the Centre for US Studies. Normally, the essay involves deeper study of a subject which the student has already covered in the first semester of his or her program. Entry to this unit is subject to the permission of the Director and depends upon the availability of a supervisor from the Centre, the student's existing knowledge in the area, and her or his academic performance in the preceding semester.

USSC6917
The American City
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week + approx 30 mins online participation per week **Assessment:** 1 x online task (500 words); 1 x oral presentation of research project (500 words); 1 x research project (3000 words equiv - format and media to be negotiated individually) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert US Stud, M Litt, PG Coursework Exchange.

This unit explores the idea, image and experience of the city in the United States. It considers key samples of built form, urban planning and urban life through images of the city in art and popular culture. From Edith Wharton's New York to Martin Scorcese's via Frank Miller's Gotham City, and from the collage of Las Vegas to the endless reconstruction of lived space in Second Life, the America city is an influential story about modern life and modern people.

USSC6918
Race in American Culture
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week + approx 30 mins online participation **Assessment:** 1 oral task (500 words); 2 x online tasks (500 words each); 1 x research project (3500 words equiv - format and media to be negotiated individually) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert US Stud, M Int Bus, M Litt, PG Coursework Exchange.

This unit explores ideas, images and experiences of race in the United States. The presence of enslaved Africans wove the issue of race into the republic's foundations; tensions between slavery and discrimination and ideals of democracy and equality have been the 'American dilemma'. Recent scholarship has added new questions about the nature of whiteness and the changing racial of identity of immigrants, from the Irish to the Latinos. This racial landscape gives American culture and politics a distinctive character.

USSC6919
American Film and Hollywood
Arts

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Oral presentations (500 words); 1 research paper (4000 words) or 2 research papers (2000 words each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert F S, Grad Cert US Stud, PG Coursework Exchange.

This unit explores the relationship between 'American cinema' and Hollywood cinema. 'American cinema' draws inspiration from and attempts to contribute to cultural movements and contexts that include Hollywood but extend to literature and the visual arts more generally. Hollywood's power as a cultural sign will be examined in relation to alternative and independent film cultures. This will include not only analysis of feature films but also of writings by filmmakers and theorists. Questions of cinematic subjectivity and authorship will be a focus of the unit.

USSC6920
News in the USA: The Objectivity Norm
Arts

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours per week + approx 30 minutes of online study per week **Assessment:** Oral presentations (500 words), 3 x online tasks (1500 words), research paper (3000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert Asian Stud, Grad Cert Media Prac, Grad Cert P A C S, Grad Cert US Stud, PG Coursework Exchange.

This unit explores the development of news journalism in the USA and asks how the way news is gathered and presented both reflects and affects society, culture and politics in the United States. It specifically examines theories about the rise in the USA of objectivity as a professional norm in news journalism and how this is played out across Western journalistic practice. The unit explores what has happened to objectivity in the context of postmodernity and the development of 24-hour global news.

University postgraduate units of study – V

VETS7004
Veterinary Epidemiology I
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dr Jenny-Ann Toribio **Session:** Semester 2 **Classes:** Online (Sem 2, weeks 1-7) **Assessment:** Participation of the student in the weekly online discussions and other learning activities in the online classroom; a group assignment; an individual assignment; online quiz. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Cert V P H Mgt, Grad Cert Vet Stud.

After completing the Veterinary Epidemiology I unit students will be able to- Discuss epidemiology and the work of epidemiologists in relation to other disciplines; Apply the concepts of epidemic theory and herd immunity appropriately to animal disease control issues; Contribute to investigations of disease outbreaks and low productivity in animal populations; Calculate and interpret the measures of disease frequency and measures of association; Select an appropriate epidemiological study design for a specific research question; Identify and minimise sources of bias and error in study designs; Select appropriate diagnostic tests and interpret their results (at individual and herd level).

Textbooks

Thrusfield M. Veterinary Epidemiology. 2nd revised reprint. Oxford: Blackwell Science 1997
Dohoo I. Martin W. Stryhn H. Veterinary Epidemiologic Research. 2003

VETS7005
Veterinary Epidemiology II
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dr Ashley Hill **Session:** Semester 1 **Classes:** Online (Sem 1, weeks 1 - 7) **Prerequisites:** VETS7004 Veterinary Epidemiology 1 **Assessment:** Participation of the student in the weekly online discussions and other learning activities in the online classroom; group assignment; an individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Cert Vet Stud, Grad Dip V P H Mgt.

After completing Veterinary Epidemiology 2, students will be able to design an appropriate epidemiology study to investigate a specific research question, including the: Sampling procedure; Data collection tools; Database for data storage and manipulation; Statistical procedures; Methods to manage confounders, clustering and collinearity.

Textbooks

Cameron A. Survey Toolbox for Livestock Diseases. ACIAR, Canberra 1999
Thrusfield M. Veterinary Epidemiology. 2nd revised reprint. Oxford: Blackwell Science 1997
Dohoo I. Martin W. Stryhn H. Veterinary Epidemiologic Research 2003

VETS7008
Hazards to Human and Animal Health
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor(s): Dr Robert Dixon, Dr Stephen Page **Session:** Semester 1 **Classes:** Online (Sem 1, weeks 1 - 7) **Assessment:** Assessment in the Hazards to Human and Animal Health unit of study will include: participation in online class; an individual report; a group assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Cert V P H Mgt, Grad Cert Vet Stud.

After completing Hazards to Human and Animal Health, students will be able to: Describe the key elements of risk assessment and the concepts of hazard analysis and critical control point (HACCP) intervention; List sources of chemical contamination of food of animal origin and describe how to detect, monitor and prevent these; Explain how the national residue survey works; Discuss the microbial hazards in food of animal origin and the means by which they affect humans, and identify critical control points; Summarise key points of the current antibiotic resistance debate concerning the implications for public health of antibiotic use in animals; Describe critical aspects of important zoonotic diseases acquired by humans by ingestion of animal products and other routes of exposure and identify possible means of prevention; Analyse the factors that influence the emergence of new diseases and discuss changes that need to be implemented in animal and human health surveillance; List the notifiable animal diseases (endemic and emergency) in Australia and discuss the rationale and process for notification and control; describe global trends in livestock disease distribution - both in time and space; Describe the disease control programs for a range of current animal diseases and discuss their health, welfare and political ramifications.

Textbooks

No specific textbook is essential for this unit of study.

VETS7009
Animal Health Economics
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor(s): Dr Henk Hogeveen, Dr Monique Mourits **Session:** S1 Late Int **Classes:** Online (Sem 1, weeks 8-14) **Assessment:** Assessment of the Animal Health Economics unit of study will include: participation of the student in the weekly online discussions and other learning activities in the online classroom; online quizzes; a report, done in pairs. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Cert V P H Mgt, Grad Cert Vet Stud.

After completing Animal Health Economics, participants will be able to: Discuss the importance of animal diseases in efficiency of animal production, consumers' perceptions of animals and animal products, and global trade; Analyse economic problems using basic methods such as partial budgeting, cost-benefit analysis and decision analysis; Detail the critical steps in systems analysis and choose appropriate modelling types and techniques; Describe the uses of linear and dynamic programming, and Markov chain and Monte Carlo simulations; Discuss the basic principles of risk analysis; Explain the basic steps in the decision-making process and the role of risk analysis in this process; Explain the role of decision support systems in animal health management and demonstrate their profitability; Build and interpret spreadsheet models for economic analyses in MS EXCEL; Discuss the importance of Animal Health Economics in decision making, implementation and evaluation of animal health programs, and policy development and implementation processes.

Textbooks

Dijkhuizen AA. Morris RS. Animal Health Economics: Principles and Applications. Post Graduate Foundation in Veterinary Science, University of Sydney, Sydney 1997

VETS7010
Animal Health Policy Development

Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dr Kevin Doyle **Session:** S2 Late Int **Classes:** Online **Assessment:** Assessment in the Principles of Animal Health Policy Development unit of study includes: participation in online class; a group assignment; an individual report. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Lib Stud, Grad Cert V P H, Grad Cert V P H Mgt, Grad Cert Vet Stud, Grad Dip Lib Stud, M Lib Stud.

After studying the Principles of Animal Health Policy Development unit, students will be able to: Describe the structure and role of Australia's Veterinary Service; Outline the process of law making and policy development in relation to public health and animal health in Australia; Outline current policy issues relating to veterinary public health and animal health in Australia; Discuss strategies used to resolve conflicts among stakeholders and to address the economic, political, technical and social issues that may arise; Discuss the means whereby veterinary public health and animal health policy is monitored and enforced; Discuss evaluation and improvement strategies for animal health policy.

Textbooks

Colebatch HK. Policy. 2nd edn. Buckingham: Open University Press 2002 (Concepts in the Social Sciences series)

VETS7011
Data Analysis for Policy Making
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dr Jenny Hutchison **Session:** S1 Late Int **Classes:** Online **Assessment:** Participation in weekly online discussions and learning activities; group assignment; individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Cert Vet Stud, Grad Dip V P H Mgt.

In this course, students will work with existing data. Issues of developing a study design will not be dealt with. Students will however consider the impact of a particular study design on the interpretation of the data generated. After studying this unit students will be able to: Identify potential sources of data and their strengths and weaknesses; Identify and apply appropriate analytical and statistical methods for different purposes; Analyse data using commonly available software programs; Identify and manage potential bias and confounding in data; Describe and interpret the results of data analysis; Incorporate the outcomes of data analysis in policy development.

Textbooks

Thrusfield M. Veterinary Epidemiology. 3rd edn. 1997
Sergeant ESG. Cameron A. Baldock FC. Epidemiological Problem Solving. 2004

VETS7013
Risk Analysis
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dr Sam Beckett **Session:** S2 Late Int **Classes:** Online **Assessment:** Participation in weekly online discussions and learning activities; group assignment; individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Vet Stud, Grad Dip V P H, Grad Dip V P H Mgt.

After studying Risk Analysis you will be able to: Apply the terminology and major concepts, principles, tools and techniques used in risk management in an animal health context; Analyse and evaluate the main approaches to risk management in animal health (including veterinary public health) and trade; Evaluate the strengths and weaknesses of some of the tools used in risk management; Synthesise the tasks and issues associated with risk management with your knowledge of animal and public health; Approach risk communication with an understanding of the different methods of good risk communication and the relationship between risk perception and risk communication.

Textbooks

There is no single textbook that covers all of the topics explored in this unit. The unit does, however, draw heavily on the Australian and New Zealand Standard for Risk Management, AS/NZS:4360. 2004 and it is recommended that you are familiar with this document. The unit also draws on the OIE Handbook on Import Risk Analysis for Animals and Animal Products: Vols 1 & 2. 2004. As the name suggests, this reference document provides detail about import (or quarantine) risk analysis, but also some discussion about the application of risk analysis in broader field of animal health.

VETS7014
Aquatic Animal Epidemiology
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor(s): Dr Ed Peeler & Dr Sophie St-Hilaire **Session:** Semester 1 **Classes:** Online **Corequisites:** VETS7005 **Assessment:** Participation in weekly online discussions and learning activities; group assignment; individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: This is an elective unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Dip V P H, Grad Dip V P H Mgt, Grad Dip Vet Stud.

After studying the Wildlife Epidemiology unit, you will be able to: Apply epidemiological concepts to farmed and wild aquatic animals; Explain the requirements of import risk analysis for aquatic animals and identify sources of aquatic animal health data; Explain the requirements of aquatic animal disease surveillance and targeted surveys; Design analytic epidemiological studies; Explain sources of bias in aquatic animal systems; Contribute to investigations of fish kills.

Textbooks

Thrusfield M. Veterinary Epidemiology. 2nd revised reprint. Blackwell Science, Oxford. 1997.
Dohoo I. Martin W. Stryhn H. Veterinary Epidemiologic Research. Charlottetown PEI: 2003.

VETS7015
Surveillance, Preparedness & Response
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dorothy Geale **Session:** Semester 2 **Classes:** Online **Assessment:** Participation in weekly online discussions and learning activities; group assignment; individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Vet Stud, Grad Dip V P H, Grad Dip V P H Mgt.

After studying Surveillance, Preparedness & Response you will be able to: Explain how surveillance contributes to the assessment and management of risks that affect public health, animal health, or trade; Provide advice on the development of a surveillance strategy to meet defined objectives; Describe a preferred framework for managing animal health emergencies.

Textbooks

Thrusfield M. Veterinary Epidemiology. 2nd revised reprint. Oxford: Blackwell Science 1997
Salman MD. Animal disease surveillance and survey systems: methods and applications. 1st edn. Iowa State Press 2003

VETS7016
Animal Health Data Management
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Dr Jenny Hutchison **Session:** Semester 1 **Classes:** Online **Assessment:** Participation in weekly online discussions and learning activities; group assignment; individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: This is an elective unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Vet Stud, Grad Dip V P H, Grad Dip V P H Mgt.

After studying this unit students will be able to: Describe the important characteristics of the main epidemiological data types; Develop a data-collection form for an epidemiological study; Design a simple relational database for recording animal health-related data; Manage data in a computer spreadsheet, including importing, exporting, recoding, transforming and summarising data; Undertake descriptive analysis of data using computer spreadsheets or other appropriate software; Undertake descriptive analysis of data using computer spreadsheets or other appropriate software.

Textbooks
Cameron A. Sergeant ESG. Baldock FC. Data management for animal health. 2004
Thrusfield M. 3rd edn. Veterinary Epidemiology. 1997

VETS7017
Food Safety
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Academic Supervisor: Dr Jenny-Ann Toribio **Session:** Semester 2 **Classes:** Online **Assessment:** Participation in weekly online discussions and learning activities; group assignment; individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment.

Associated degrees: Grad Cert Vet Stud, Grad Dip V P H, Grad Dip V P H Mgt.

After completing Food Safety participants will be able to describe the respective roles and recent initiatives in food safety of the various government and industry organisations that make up the global, national and regional regulatory system for the safety of food of animal origin; Describe and critically analyse the key elements in food safety risk assessment and management and critically apply this to the analysis of a total quality management food safety system; Describe the critical aspects of the epidemiology, pathogenesis, management and prevention of the well-recognised bacterial food-borne pathogens; Identify emerging food-borne pathogens of animal origin and describe the critical aspects of the epidemiology that make them a particular public health concern; Describe the principles used in newer microbiological diagnostic tests and their application in food safety programs; Discuss the elements required for an effective national antimicrobial resistance management program; List the potential sources of and critically assess the potential public health threats posed by the presence of natural toxins and environmental contaminants in food of animal origin.

Textbooks
Torrence ME. Isaacson RE. eds. Microbial Food Safety in Animal Agriculture Current Topics. Iowa: Iowa State Press. 2003

VETS7018
Research Paper A
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: tba **Session:** S1 Intensive, S2 Intensive **Classes:** Supervised project. Online seminar. **Corequisites:** VETS7005 **Assessment:** Dissertation; and participation in online seminar; progress Reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: M V P H, M V P H Mgt.

Completing the research project will enable you to execute research in a professional and ethical manner. A six credit point project should equate to at least 150 hours work.

VETS7019
Research Paper B
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: tba **Session:** S1 Intensive, S2 Intensive **Classes:** Supervised project. Online seminar. **Corequisites:** VETS7018 **Assessment:** Dissertation; and participation in online seminar; progress Reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This is an elective unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: M V P H, M V P H Mgt.

Completing the research project will enable you to execute research in a professional and ethical manner. A 12 credit point project should equate to at least 300 hours work.

VETS7020
Diagnostic Tests
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Prof Ian Gardner **Session:** S2 Late Int **Classes:** Online **Prerequisites:** VETS7005 Veterinary Epidemiology 2 **Assessment:** Participation in online class; Group assignment; Individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: This is an elective unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Dip V P H Mgt, Grad Dip Vet Stud.

After completing this unit, students will be able to: Understand and describe the biologic principles of common tests and how their inherent characteristics affect their accuracy and precision; Analyse and summarise data from a test evaluation or test comparison study; Critique published test evaluation studies and describe their strengths and weaknesses considering design and analysis guidelines in the veterinary medical literature; Incorporate quantitative test results in clinical decision making about an individual animal's disease status; Interpret test results from prevalence estimation studies involving single and multiple animal; opulations, from risk factor studies and from disease surveillance systems; Plan a disease surveillance system or disease survey and select a diagnostic test(s) (considering its strengths and weaknesses) to meet specified surveillance or survey objectives.

Textbooks
Dohoo I. Martin W. Stryhn H. Veterinary Epidemiologic Research. 2003

VETS7021
Data Analysis for Epidemiology Research
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor(s): Dr Jenny-Ann Toribio, Assoc Prof Peter Thomson, Lecturer in Veterinary Biostatistics **Session:** Semester 2 **Classes:** Online **Assessment:** Participation in online discussions, online quizzes, assignment **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert V P H, Grad Cert V P H Mgt, Grad Cert Vet Stud, Grad Dip V P H Mgt, M V P H (Hons), M V P H Mgt (Hons).

This Unit of Study, delivered by distance education using an online classroom, will using four case studies introduce students to the application of three statistical procedures (linear regression, logistic regression, survival analysis) in epidemiological research for animal health and public health. Approaches to account for the impact of confounding, effect modification and clustering suitable for these statistical procedures will be discussed.

Textbooks
Petrie A. Watson P. Statistics for Veterinary and Animal Science. 2nd ed. Oxford: Blackwell. 2006
Dohoo I. Martin W. Stryhn H. Veterinary Epidemiologic Research. Charlottetown: AVC 2003

VETS7025
Leadership, People and Organisations
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Wendy Grusin and Greg Cartan **Session:** Semester 1 **Classes:** Residential and Online. 5-day Residential session in February, Online classes. **Assessment:** Assessment of the Leadership, People & Organisations unit of study will include: a case study analysis done in a group; an individual action learning review; participation in a range of activities during the residential week and online. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Anim Sc, Grad Cert Anim Sc (A B Mgt), Grad Cert V P H Mgt, Grad Cert Vet Stud.

After completing the Leadership 1 unit students will be able to: Apply leadership concepts in the context of animal health management; Assess how individual human traits, behaviour and values interact with leadership; Use and explain the principles of action learning; Explain the effects of group dynamics in work teams; Discuss how power and influence impact on success at work.

Textbooks
Please refer to website for details.

VETS7026
Leadership: Managing Change
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Ms Loretta O'Donnell **Session:** Semester 1 **Classes:** Residential and online. 3-day Residential session in February, Online classes. **Prerequisites:** VETS7025 or VETS7002 **Assessment:** Group assignment, individual assignment, participation in online classroom and residential. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Anim Sc, Grad Cert Anim Sc (A B Mgt), Grad Cert Vet Stud, Grad Dip V P H Mgt.

This unit looks at change on many levels, beginning with a micro focus on the individual and culminating with a more macro view of the whole organisational system. It balances practical skill building with a solid foundation of theoretical understanding. In this unit of study students will explore managing change around three central concepts: the change agent; change perspectives; change and organisations.

Textbooks
Barbara Senior. Jocelyne Fleming. 2006 Organizational Change.

VETS7027
Project Management
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor: Gary Timm **Session:** Semester 2 **Classes:** Residential and Online. 3-day Residential session in July, Online classes **Assessment:** Assessment of the Leadership, People & Organisations unit of study will include: a case study analysis done in a group; an individual action learning review; participation in a range of activities during the residential week and online **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: This is a core unit in the Veterinary Public Health and Veterinary Public Health Management programs.

Associated degrees: Grad Cert Anim Sc, Grad Cert Anim Sc (A B Mgt), Grad Cert V P H Mgt, Grad Cert Vet Stud.

This unit of study is an introduction to project management for students whose main objective is to develop a range of skills in the field of Veterinary Public Health Management. The unit of study is limited to a 3-day residential and distance education, together totalling 150 hours. As a result not every area of project management can be covered in depth. The unit concentrates on the project management processes and deliverables in order to give the student a solid grounding in project management. Obviously project management also involves other areas such as leadership, "soft skills" and the strategic aspects of projects. While some soft skills specific to project management are covered, other leadership and team management aspects are not covered in this unit of study. They are however covered in the Leadership units of study that are core to the Veterinary Public Health Management Program.

Textbooks
Phillips J. PMP Project Management Professional Study Guide. Book and CD-ROM edn. McGraw-Hill Osborne Media 2003 ISBN: 0072230622

VETS7028
Leadership Skills
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Professor Chris Moran Instructor(s): Loretta O'Donnell, John Baguley **Session:** Semester 1b **Classes:** Online. 7 weeks of online classes. Semester weeks 7 - 13 (21 April-8 June 08). **Assessment:** Online participation (20%); individual assignments (40%); group assignment (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Note: This unit is core in the Animal Breeding Management stream of the Postgraduate Program in Animal Science. It is elective in most other programs.

Associated degrees: Grad Cert Anim Sc, Grad Cert Anim Sc (A B Mgt), Grad Cert V P H, Grad Cert V P H Mgt, Grad Cert Vet Stud, Grad Dip V P H Mgt.

This unit of study seeks to enable the development of key managerial skills. Topic areas include strategic planning, management systems, organisational design, human resources, finance, budgets, marketing, self-management, career planning and stakeholder management. By the end of this unit of study you should be able to: Design and maintain a successful management system, based on a knowledge of organisational systems that support effective managerial practice; Plan, implement, communicate and manage medium and long term strategy; Recruit, manage and participate in an effective team; Analyse, evaluate and communicate the financial status of an organisation; Prepare, manage and report on transparent and accurate budgets; Plan and implement marketing objectives; Identify and reflect on your own managerial strengths and plan for your future; Identify key stakeholders and plan management strategies to address their concerns, practise effective negotiation skills, as part of effective stakeholder management, develop communication skills in order to effectively communicate technical, scientific, financial and commercial information to separate stakeholders.

VETS7038
Research Paper C
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio **Session:** S1 Intensive, S2 Intensive **Classes:** Supervision **Corequisites:** VETS7018 and Departmental Permission Required **Assessment:** Dissertation/treatise; Progress Reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M V P H (Hons), M V P H Mgt (Hons).

Completing the research project will enable you to execute research in a professional and ethical manner. Each six credit points should equate to at least 150 hours work. This unit of study is for candidates of the MVPHMgt and the MVPH who wish to complete further research towards honours.

VETS7039
Research Paper D
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Jenny-Ann Toribio Instructor(s): tba **Session:** S1 Intensive, S2 Intensive **Classes:** Supervision **Corequisites:** VETS7038 and Departmental Permission Required **Assessment:** Dissertation/treatise; Progress Reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M V P H (Hons), M V P H Mgt (Hons).

Completing the research project will enable you to execute research in a professional and ethical manner. Each six credit points should equate to at least 150 hours work. This unit of study is for candidates of the MVPHMgt and the MVPH who wish to complete further research towards honours.

VETS8002
Genetic Evaluation and Breeding
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor: Assoc Prof Julius van der Werf **Session:** Semester 2 **Classes:** Residential and Online **Prerequisites:** VETS8004 **Corequisites:** Departmental Permission Required **Assessment:** Online participation, 5,000 - 6,000 words of formal, written assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment. Note: This unit is core in the Animal Breeding Management stream of the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Anim Sc (A B Mgt), Grad Cert Vet Stud.

This unit of study builds on the knowledge gained in VETS8004 Advanced Animal Genetics to enable students to enhance their understanding of quantitative genetics and apply them to animal breeding programs. The unit will be taught online with one short residential session in Armidale and is a core unit of study in the Animal Breeding Management course. After completing Genetic Evaluation and Breeding, students will be able to: Apply quantitative genetic principles in animal breeding programs; Explain commonly used genetic evaluation methods; Discuss the issues involved in breeding program design; Discuss the potential influence of new reproductive and genetic technologies on animal breeding programs; Independently solve common animal breeding problems.

Textbooks

Course Notes GENE422/522. 2000. UNE Armidale
Cameron ND. Selection Indices and Prediction of Genetic Merit in Animal Breeding. Oxon: CAB Int. Oxon 1997
Falconer DS. Mackay TFC. Introduction to Quantitative Genetics. 4th edn. Longman 1996
Kinghorn BP. Van Der Werf J. Ryan M. Animal Breeding: use of new technologies. Post Graduate Foundation, Veterinary Science, Univ. of Sydney. 2000
Lynch M. Walsh B. Genetic analysis of quantitative traits. Sinauer.1998
Mrode RA. Linear Models for the Prediction of Animal Breeding Values. Oxon: CAB Int. 1996

VETS8003
Advanced Applications of Animal Breeding
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor: Assoc Prof Julius van der Werf **Session:** Semester 1 **Classes:** Mode: Residential and online **Prerequisites:** VETS8004 **Assessment:** Online participation, 5,000 - 6,000 words of formal written assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: This Unit of Study is core in the Animal Breeding Management stream of the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud, Grad Dip Anim Sc (A B Mgt).

By completing this unit of study, students should be able to: apply skills in quantitative genetics in simulated cases based in each of the major industry groupings; develop optimal breeding objectives and design effective breeding programs, both within and across farming units.

VETS8004
Advanced Animal Genetics
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Professor Chris Moran Instructor(s): Professor Chris Moran, Professor Frank Nicholas **Session:** Semester 1, Semester 2 **Classes:** On-campus or online. On-campus Classes: Lectures, practical classes. Online classes: Online learning activities. **Prohibitions:** ANSC5002 **Assessment:** Examination, assignments. Online participation, quiz, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Animal Genetics and Animal Breeding Management streams of the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Anim Sc (A B Mgt), Grad Cert Vet Stud.

This unit will cover: principles of population genetics and the concepts of relationship and inbreeding, and adverse effects of this inbreeding; The principles of quantitative genetics including the concepts of genetic variance, heritability and repeatability, and methods for the identification and selection of superior livestock; The use of multitrait selection procedures to increase the overall economic value of populations of animals; The constraints to production gains using genetic selection programmes and advantages obtained through crossbreeding; The practical application of selection and crossing in animals; The genetical implications of reproductive technology such as embryo sexing, splitting and cloning, artificial insemination and MOET.

VETS8005
Advanced Animal Biotechnology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor: Prof Chris Moran **Session:** Semester 1, Semester 2 **Classes:** Mode: On-campus or online. On-campus Classes: Lectures, practical classes. Online classes: Online learning activities. **Prohibitions:** ANSC3005 **Assessment:** Examination, assignments. Online: online participation, quiz, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Animal Genetics and Reproduction streams of the Postgraduate Program in Animal Science. It is an elective in Animal Breeding Management.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud, Grad Dip Anim Sc (A B Mgt).

At the end of this unit of study, students will demonstrate an understanding of: the application of biotechnology to animal productivity, disease control, the development of new products from animals and the impact of altered micro-organisms and plants on animals; molecular biology and recombinant DNA technology, with an emphasis on relevance in animals; regulation of gene expression in vivo and in expression systems; monitoring of gene expression including microarrays and proteomics, gene mapping, genomics and gene discovery in contexts relevant to domestic animals; genetic modifications of animals including transgenesis and gene knockout, and methods for achieving these modifications including cloning by nuclear transfer; basic skills in bioinformatics; legal methods of protecting intellectual property; ethics & animal biotechnology.

VETS8006
Advanced Animal Nutrition
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Dr Michelle Hyde, Prof David Fraser, Dr Paul Sheehy, Mrs Irene van Ekris **Session:** Semester 2 **Classes:** On-campus lectures, tutorials, laboratory sessions and field work. **Prohibitions:** ANSC3001 **Assessment:** Examination, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Animal Nutrition stream of the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

The Unit is broadly divided into four sections, namely: Estimating the nutritive value of feeds; Estimating the nutrient requirements of animals; Diet formulation; Errors in feeding. The focus is on coming to an understanding of the assessment of nutritional adequacy and the avoidance and solving of nutritional problems, with a particular emphasis on animals used in agricultural production systems. The basis of successful feeding management is an understanding of the following: the composition of feeds; the digestibility and efficiency of utilisation of nutrients by the animal; the requirements of the animal for nutrients; interactions between nutrients that influence health and production; And following from this an ability to: formulate diets to meet animal requirements for a variety of purposes and under a variety of constraints; identify deficiencies, excesses and imbalances in diets and so avoid a decline in productive efficiency and/or a decline in health.

VETS8008
Advanced Animal Reproduction
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Prof Gareth Evans, Prof Chis Maxwell **Session:** Semester 1 **Classes:** On-campus lectures, tutorials, laboratory sessions and field work. **Prohibitions:** ANSC3002 **Assessment:** Examination, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Animal Reproduction stream of the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud, Grad Dip Anim Sc (A B Mgt).

A comprehensive program on basic and applied male and female reproductive biology with particular emphasis on domestic animals. The unit of study includes reproductive cycles, sexual differentiation, fertilization, development, gestation and parturition. Applied aspects include tuition on semen collection and processing, control and management of reproduction, artificial insemination, embryo transfer, pregnancy diagnosis, and induction of parturition. Tuition is given on campus in Sydney and at the University Farms, Camden.

VETS8013
Special Topics in Animal Science
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Supervisors on arrangement. **Session:** Semester 1, Semester 2 **Classes:** Supervised. Tutorials, seminars, essays and directed reading. **Corequisites:** Departmental Permission Required **Assessment:** 6,000 words or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This unit will allow students to be supervised in specific areas of study that are not covered in any existing postgraduate units. The purpose of this unit may include: interest in specific practical skill area, allowing greater depth of skill development following from core units of study at Graduate Certificate level; interest in enhanced knowledge of a particular subject matter; additional learning required to support a research project. Students must discuss learning outcomes, methods for achieving them, assessment and assessment criteria with their supervisor and submit documentation to the Sub Dean for Postgraduate Coursework by the census date of the relevant semester.

At the end of this Unit of Study, students will be able to: Discuss the major issues associated with their subject area; Interpret and critically evaluate scientific material or information in their subject area; Make informed decisions in their subject area and implement them; Clearly communicate understanding of their subject area.

VETS8014
Advanced Anatomy and Physiology A
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Assoc Prof Rosanne Taylor, Prof David Fraser, Assoc Prof David Evans, Dr Melanie Collier, Dr Jane Stevenson **Session:** Semester 1 **Classes:** Lectures, tutorials, practical sessions, workshops, computer-based learning. **Prohibitions:** ANSC3003 **Assessment:** Dissection project, examination, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This unit of study provides an integrated study of the structure and function of animals, with a detailed coverage of topics of particular importance to agricultural scientists, such as reproduction, digestion, animal welfare and behaviour.

VETS8017
Technologies of Animal Reproduction
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor: Prof Gareth Evans **Session:** Semester 1a **Classes:** Residential: One month intensive starting one week before Semester 1 to week 3. About 50% practical tuition at Camden, and a practical field trip to Arthursleigh, with remainder a mix of self-directed (on-line) learning, case studies and presentations. **Assessment:** Participation, learning journal and case reports, written report, oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This Unit of Study is designed specifically for students wishing to extend their skills and knowledge of artificial breeding technologies, and will particularly suit students intending to work in the artificial breeding industries, or in rural mixed practice, and students interested in pursuing research in reproduction and biotechnology. The practical work will primarily focus on sheep and cattle, but the Unit of Study will be of interest to those wishing to work with other species, including companion animals, pigs, laboratory animals and wildlife. The Unit of Study will integrate the disciplines of quantitative and molecular genetics, animal health, nutrition, and reproduction, including advanced reproductive technologies as applied to managed breeding and assisted reproduction programs. Students will gain practical skills in artificial insemination, embryo transfer, gamete preservation and banking, pregnancy diagnosis, molecular genetics (proof of parentage, marker assisted selection), selection of breeding stock, and management of breeding programs. By the end of this unit students will be able to: Advise on implementation and management of artificial breeding programs in production animals, companion animals, and wildlife; Demonstrate proficiency in the legal, ethical and animal welfare aspects in managing artificial breeding programs; Design and manage an artificial breeding program in sheep or cattle, including appropriate selection of breeding stock; Perform breeding soundness examinations on sheep and cattle; Perform artificial insemination, embryo recovery and transfer, and pregnancy diagnosis in sheep and cattle; Advise on appropriate nutritional regimes for breeding stock; Advise on health requirements and management for breeding stock, and on the international transfer of semen and embryos; Students will also be able to describe: Artificial breeding techniques applicable to pigs, companion animals and wildlife; Techniques of gamete and embryo preservation and banking; Advanced biotechnology techniques applicable to the AB industries.

VETS8018
Advanced Anatomy and Physiology B
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Dr Melanie Collier, Assoc Prof Rosanne Taylor, Assoc Prof Paul McGreevy, Prof David Fraser, Dr Jane Stevenson **Session:** Semester 2 **Classes:** On campus lectures, tutorials, practical sessions, workshops, computer-based learning. **Prerequisites:** VETS8014 **Prohibitions:** ANSC3004 **Assessment:** Dissection project, examination, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud, Grad Dip Anim Sc, M Anim Sc.

This unit of study provides an integrated study of the structure and function of livestock animals, covering topics which were not covered in VETS8014. It will build on the concepts which were introduced and skills acquired in the VETS8014 unit of study and extend students' knowledge of the structure and function of the urinary tract, nerve, muscle, bone and skin, cardiovascular system and nervous system, avian structure and function, aquaculture and deer production. The concepts developed will be applied to analysis and resolution of problems in animal production.

VETS8021
Animal Science Research Project A
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Prof Chris Moran **Session:** Semester 1, Semester 2 **Classes:** By supervision **Assessment:** Dissertation, progress reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc.

In this Unit of Study, participants will learn to conduct animal science research in a professional and ethical manner.

VETS8022
Animal Science Research Project B
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Prof Chris Moran **Session:** Semester 1, Semester 2 **Classes:** By supervision **Corequisites:** VETS8021 **Assessment:** Dissertation, progress reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Postgraduate Program in Animal Science.

Associated degrees: Grad Dip Anim Sc.

In this unit of study, participants will learn to conduct animal science research in a professional and ethical manner.

VETS8023
Animal Science Research Project C
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Prof Chris Moran **Session:** Semester 1, Semester 2 **Classes:** By supervision **Corequisites:** VETS8022 **Assessment:** Dissertation, progress reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Postgraduate Program in Animal Science.

Associated degrees: Grad Dip Anim Sc.

In this unit of study, participants will learn to conduct animal science research in a professional and ethical manner.

VETS8024
Animal Science Research Project D
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Prof Chris Moran **Session:** Semester 1, Semester 2 **Classes:** By supervision **Corequisites:** VETS8023 **Assessment:** Dissertation, progress reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core in the Postgraduate Program in Animal Science.

Associated degrees: M Anim Sc.

In this unit of study, participants will learn to conduct animal science research in a professional and ethical manner.

VETS8031
Animal Health and Disease Advanced
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructors: Dr Wendy Muir, Dr Jenny-Ann Toribio, Dr Robert Dixon, Dr Trish Holyoake, Assoc Prof Peter Windsor, Dr John House **Session:** Semester 1 **Classes:** On-campus lectures, tutorials **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent **Assessment:** examination, assignments, oral presentation, compulsory 2 day excursion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This Unit of Study describes the major constituents of the immune system and how they interact to protect animals from infection. Some major microbial, viral and parasitic infections of commercial consequence to animal production are detailed as well as the range of management and interventional strategies that are currently in use to minimize their impact.

Textbooks

Students are advised to consult lecturers for recommended texts

VETS8032
Advanced Dairy Production & Technology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Prof WJ Fulkerson, Dr Yani Garcia, Dr Pietro Celli, Mr Tony Dowman, Mr Kim McKean **Session:** Semester 1 **Classes:** on-campus lectures, tutorials **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** examination, practical report, milking and Ha cap report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 0

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This unit will explore the various aspects of dairy farming and the dairy industry from a scientific point of view. The lectures are a mix of the principles on which sound dairy farming is based and practical example of how this operates in practice. The course is not meant to provide a set of methods on dairying to be used as recommendations. An overall theme is the way the industry has been able to dramatically improve on farm production by adopting many labour saving and efficiency based innovations.

Textbooks

Where appropriate, relevant reference material will be identified for specific areas of the course

VETS8034
Food Safety Assessment and Management
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Dr Jenny-Ann Toribio, Dr Robert Dixon, Dr Russell Bush, Dr Michelle Hyde **Session:** Semester 1 **Classes:** lectures, tutorials, seminars /workshops, field trips **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** individual report, group assignment, written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This Unit of Study focuses on the hazards to human and animal health associated with food safety. General food safety issues will be covered, including assessing the risk of microbial and chemical contamination. Zoonotic diseases and the concept of food of animal origin being the source of chemical and biological agents will be explored. Students will also be introduced to the key elements in food safety risk assessment and management, national and international animal and human health policy and surveillance initiatives and by the end of the unit have an awareness of the global situation for major food-borne diseases, surveillance and control programs.

Textbooks

Torrence ME. Isaacson RE. eds. Microbial Food Safety in Animal Agriculture Current Topics. Ames: Iowa Stat Press. 2003
D'Mello JPF. ed. Food safety. Contaminants and toxins. Wallingford: CABI Publishing 2003
Palmer SR. Soulsby EJL. Simpson DIH. eds. Zoonoses. Biology, Clinical Practice, and Public Health Control, Oxford: Oxford University Press 1998

VETS8035
Feed Technology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor: Assoc Prof Peter Wynn **Session:** Semester 1 **Classes:** lectures, tutorials, seminars /workshops, laboratories, field work **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** attendance and participation; written class assignments; final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 88This unit is core in the nutrition stream of the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

Feed accounts for approximately 70% of the input costs associated with animal industries, including both monogastric (poultry and pigs, laboratory animals) ruminants (feedlot cattle and sheep) and caecal fermenters (horses, rabbits). The feed industry is described as the largest supporting industry for animal agriculture and is a major employer of graduates (undergraduate and postgraduate). Feed manufacturing is a vital part in enabling our animal industry to add value to nutrient sources that are routinely not consumed by humans and are an integral part in improving the overall sustainability of agriculture and food production. The course will provide in-depth understanding of the feed industry, our understanding of factors influencing ingredient variability and availability (physical and economical), methods and applications of processing of ingredients to increase nutrient intake, availability (digestibility), retention and reduce excretion. All facets of the production and regulation of feed production will be discussed relative to their importance in animal agriculture and food production.

Textbooks

No specific textbook available is current

VETS8036
Advanced Pig Production & Technology

Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Dr Jeff Downing, Dr Trish Holyoake **Session:** Semester 2 **Classes:** Lectures, practical **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** written exam, field report, in-course evaluations (quizzes etc), case study (group work) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This unit of study is composed of two parts, a core component and an advanced component. The core component examines various aspects of pig production systems important in maintaining efficiency and profitability. It investigates aspects of breeding, nutrition, housing, growth performance, heath, welfare, reproductive capability, waste management and marketing. This component will expand on aspects of previous year 3 units of study in nutrition and reproduction. The advanced component will expand on some aspects of the core component and will introduce new areas related to important industry issues. In this component there will be an emphasis on the use of information from various sources, but especially research, to formulate solutions to sub-optimal performance and other industry related problems and issues. It will also investigate some new technologies pertinent to the Pig production and research associated with the industry.

Textbooks

Where appropriate, relevant reference material will be identified for specific areas of the course.

VETS8037
Advanced Poultry Production & Technology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructor(s): Dr Wendy Muir, Dr Jeff Downing **Session:** Semester 2 **Classes:** lectures, tutorials, seminars/ workshops, laboratories, field work **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** Attendance and participation; Written class assignments; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

The course will be designed to provide 3 credits of core study components and 3 credits of advanced information. The core components of study will describe the evolution of the poultry industry and key facets of the modern commercial industry with respect to breeding, nutrition, housing and management necessary to obtain maximum production and efficiency while maintaining a balance with product quality and safety, animal health and wellbeing, and environment and industry sustainability.

The advanced components will provide in-depth biological and research aspects associated with the key facets described for core components. The advanced component will also be provided with more interactive time with the industry (site visits, personnel interactions). The students will become familiar with the degree of integration for specific poultry industries and an appreciation for the importance of technology transfer and application.

VETS8039
Aquatic Animal Health
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisors: Prof Richard Whittington, Prof Chris Moran Instructors: Dr Joy Becker, Prof Richard Whittington, Prof Chris Moran, Prof Gareth Evans, Prof David Fraser **Session:** Semester 1 **Classes:** lectures, tutorials, seminars /workshops, laboratories, field work **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** written examination, written and/or oral assignment, written practical report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

The unit of Study explores in detail aspects of commercial aquaculture, including global trends in aquaculture development. Other topics include water quality, feeding, management, health and disease, genetics and reproduction, environmental impact and economic constraints to production. The unit of study emphasises methods to improve aquacultural productivity. It builds on basic principles of anatomy, physiology, nutrition, genetics and health and disease.

Textbooks

To be advised in class

VETS8040
Advanced Beef Production & Technology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructors: Dr Pietro Celi, Dr Peter Wynn, Ms Kaylene Scrimgeour **Session:** Semester 2 **Classes:** Lectures, tutorials, Seminars /workshops, laboratories, Field work **Assumed knowledge:** All core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** written assignment, practical report and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This unit of study covers aspects of beef cattle, management and production. The emphasis of the course is on the development and structure of the beef cattle industry in Australia, beef cattle production systems (management and husbandry) and associated issues including welfare, sustainability and marketing. The course is designed to provide adequate information to understand production factors that influence beef meat quantity and quality. The development of carcass/meat grading systems for the marketing of product will be an important aspect of this UoS. Meat production from alternative species will also be addressed. Concepts discussed in lectures are reinforced by practical classes held in the laboratory and on-farm at Camden and Arthursleigh.

Textbooks

Anderson RS. Edney ATB. Practical Animal Handling. Pergamon Press 1991
Battaglia RA. Handbook of Livestock Management. Prentice Hall 2001
Lawrie RA. Developments in Meat Science No.s 1-2. Applied Science Publishers 1980, 1981
Lawrie RA. Developments in Meat Science No.s 3-5. Elsevier Applied Science 1985, 1988, 1991
Ensminger ME. Perry RC. Beef cattle science. Interstate Publishers 1997
Temple G. Beef cattle handling and facilities design. Fort Collins, Colo: Grandin Livestock Systems, c2000

VETS8041
Advanced Sheep Production & Technology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Chris Moran Instructors: Dr Peter Wynn, Dr Pietro Celi, Ms Kaylene Scrimgeour, Mr Byron Biffin, Mr Keith Tribe **Session:** Semester 1 **Classes:** lectures, tutorials, seminars /workshops, laboratories, field work **Assumed knowledge:** Assumed knowledgeAll core Units of Study in Years 1, 2 and 3 of BAnVetBioSc degree or equivalent. **Assessment:** written assignment, practical report and written examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: 71This unit is an elective in the Postgraduate Program in Animal Science.

Associated degrees: Grad Cert Anim Sc, Grad Cert Vet Stud.

This unit introduces the concepts of sheep production in the Australian environment within the context of world fibre consumption and production. The key products and domestic and export markets for these are presented. The course then provides an historical perspective of the basis for the wool and sheep meats industries and then describes each of the production systems designed to meet the demand for these products. These will cover extensive grazing systems, shedded animals for super-fine wool production and the use of feedlots to grow prime lambs. Major issues will include breeds and breeding systems, animal handling, the development of a cost-effective feed base and production practices and animal welfare issues as they affect the quality and quantity of product marketed. Wool measurement practices will be reviewed in detail. The concepts of early and late stage processing of fibre products will be presented. Apparel fibres

obtained from other species including goats and alpacas will be compared with wool.

The properties of wool will be assessed against the latest products emanating from synthetic fibre manufacturers.

Textbooks

Anderson RS. Edney ATB. Practical Animal Handling. Pergamon Press 1991
Battaglia RA. Handbook of Livestock Management. Prentice Hall 2001
Cottle DJ. Australian sheep and wool handbook WRONZ Developments. Christchurch 2000
Massy C. The Australian Merino. Viking O'Neil 1990

VETS8501
Applied Reproduction in Cattle
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof John House Instructor: Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prohibitions:** ANSC3003 **Assessment:** Participation in face to face and WebCT tutorials, Skill test, Knowledge quiz, Individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a core unit in the postgraduate program in Veterinary Studies (Animal Production).

Associated degrees: Grad Cert Vet Stud.

The objective of this course is to teach applied reproduction in cattle within the context of different husbandry systems. The course will include reproductive physiology, pharmacology, assisted reproductive techniques, and whole farm approaches to reproduction including management of reproductive records and records analysis.

At the end of this unit of study, students will be able to: Make decisions regarding the reproductive management of individual animals; Perform common reproductive techniques including rectal palpation, artificial insemination, and embryo transfer; Evaluate herd reproductive performance; Develop a reproductive program to facilitate the reproductive management of beef and dairy cattle.

Textbooks

Radostits OM. Herd Health, Food Animal Production Medicine. 3rd edn. St Louis: WB Saunders. InCalf Online Resources. http://www.incalf.com.au
Youngquist RS. Current Therapy in Large Animal Theriogenology. Philadelphia: WB Saunders

VETS8503
Applied Mastitis Prevention
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof John House Instructor: Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assessment:** Participation in face to face and WebCT tutorials, Skill test, Knowledge quiz, Individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a core unit in the postgraduate program in Veterinary Studies (Animal Production).

Associated degrees: Grad Cert Vet Stud.

The objective of this unit of study is to review dairy farm management and how it relates to mastitis risk and prevention. Students will gain on farm experience and use this experience and farm derived data to develop a mastitis monitoring and control program.

At the end of this Unit of Study, students will be able to: Describe the common causes and symptoms of mastitis in cattle; Describe the principles of mastitis prevention; Design and implement an on farm mastitis monitoring program based on HACCP principals; Design and implement a farm based mastitis program.

Textbooks

Countdown Downunder Technical notes available from http://www.countdown.org.au/technotes.htm

VETS8504
Lameness in Cattle
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof John House Instructor: Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assessment:** Participation in face to face and WebCT tutorials, Skill test, Knowledge quiz, Individual assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This is a core unit in the postgraduate program in Veterinary Studies (Animal Production).

Associated degrees: Grad Cert Vet Stud.

Lameness is one of the most costly diseases of dairy cattle. The objective of this unit is to outline the mechanisms of disease that contribute to lameness and the interactions between nutritional and environmental management that may contribute to the risk of lameness. Common causes of lameness will be illustrated and treatment strategies demonstrated. Students will conduct a whole farm lameness evaluation identifying risks for lameness and outlining strategies to prevent lameness. Practical experience will be derived from participation in on farm hoof and corrective trimming. During this process students will develop a record keeping system to record significant foot lesions and relate the observed findings to herd management practices that predisposed to their development.

At the end of this Unit of Study, students will be able to: Identify and describe the common causes of lameness in cattle; Recognize environmental and nutritional variables that contribute to the risk of lameness; Develop the skills to correctly trim and treat lameness in cattle; Develop an effective health monitoring program that facilitates pattern recognition and disease investigation; Provide advice on the prevention of lameness in cattle; Apply and evaluate management systems to prevent lameness.

Textbooks

Radostitis OM. Herd Health Food Animal Production Animal Medicine. 3rd edn. Philadelphia: WB Saunders

VETS9001
MVetStud Research Project A
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Instructor(s): Supervisor(s) in relevant discipline. **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assessment:** 6,000 words or equivalent of publishable work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core to the Master of Veterinary Studies

Associated degrees: M Vet Stud.

To conduct and communicate the results of scientific veterinary investigation in a professional and ethical manner. Conduct of this research project may require veterinary qualifications registrable in NSW.

VETS9002
MVetStud Research Project B
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Hannah Forsyth Instructor(s): Supervisor(s) in relevant discipline. **Session:** Semester 1, Semester 2 **Classes:** Supervision **Corequisites:** VETS9001 **Assessment:** 6,000 words or equivalent of publishable work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is core to the Master of Veterinary Studies

Associated degrees: M Vet Stud.

To conduct and communicate the results of scientific veterinary investigation in a professional and ethical manner. Conduct of this research project may require veterinary qualifications registrable in NSW.

VETS9003
Special Topics in Veterinary Studies
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Hannah Forsyth Instructor(s): Supervisor(s) in relevant discipline. **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Corequisites:** VETS9001 **Assessment:** 6,000 words or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Veterinary Studies.

Associated degrees: Grad Cert Vet Stud.

This unit will allow students to be supervised in specific areas of study that are not covered in any existing postgraduate units in veterinary studies. The purpose of this unit may include: interest in specific practical or clinical subject area, allowing greater depth of learning following from core units of study at Graduate Certificate level; interest in enhanced knowledge of a particular discipline/species; additional learning required to support a research project or case report. Students

must discuss learning outcomes, methods for achieving them, assessment and assessment criteria with their supervisor and submit documentation to the Sub Dean for Postgraduate Coursework by the census date of the relevant semester.

At the end of this Unit of Study, students will be able to: Discuss the major issues associated with their subject area; Interpret and critically evaluate scientific material or information in their subject area; Make informed decisions in their subject area and implement them; Clearly communicate understanding of their subject area.

VETS9004
Case Report in Veterinary Studies
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Vanessa Barrs Instructor(s): Supervisor(s) in relevant discipline. **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assessment:** 6,000 words or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the GradDipVetStud (Small Animal Clinical Studies).

Associated degrees: Grad Cert Vet Stud.

This unit will require the investigation and preparation of a case report suitable for publication in a scientific journal. The case chosen should make a novel contribution to the veterinary literature. The length of the case report will vary according to journal requirements. Oral presentation(s) will form a part of the assessment for this unit, varying according to the required length of the report. Students should discuss the case regularly with their supervisor and complete a student/supervisor agreement form early to submit to the Sub Dean for Postgraduate Coursework.

At the end of this Unit of Study, students will be able to: Identify, locate and critically analyse information resources relevant to the case; Identify and communicate major issues; Accurately describe the features of a case; Communicate the interventions and outcomes of the case; Discuss the implications of the case for future cases and/or research and what aspects of the case have made a novel contribution to veterinary science in the field of study; Demonstrate technical expertise within an ethical and professional approach. Conduct of this case report may require veterinary qualifications registrable in NSW.

VETS9005
Veterinary Internal Medicine 1
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Vanessa Barrs Instructor(s): Dr Vanessa Barrs, Dr Jules Beatty **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); 45 minute viva voce interview (25%); individual assignment (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Small Animal Clinical Studies). Employment in the University Veterinary Clinic would normally be a condition of enrolment. Students must possess a veterinary qualification registrable in NSW.

Associated degrees: Grad Cert Vet Stud.

Veterinary interns will be rostered to consult with the University Veterinary Centre, Sydney (UVCS) Medicine Service, primarily on first opinion cases. Interns will be supervised closely by a veterinary specialist in small animal, feline or canine medicine or by a referral medicine registrar. Veterinary interns will participate in the daily consultation, diagnostic investigation and treatment of primary accession cases. They will receive further training in problem-oriented medical case-solving and in diagnostic procedures on a case-by-case basis. Case investigation and management will be discussed on a daily basis at medicine rounds with colleagues in the medicine unit and with Program Academic Supervisors. Veterinary interns will present cases at weekly specialist medicine rounds where academics, external specialists and other practitioners attend. They will participate in weekly medicine journal club, appraising and critiquing literature relevant to small animal medicine. Opportunities for participation in clinical research projects will also be provided. This unit aims to re-inforce the principles of internal medicine as applied to the diagnostic investigation and therapy of disease in small animals. It focuses on implementation of the problem-oriented approach to medicine: defining the problems, identifying systems involved, localising lesions and identifying possible pathogenetic mechanisms of disease. It aims to show how application of this approach facilitates correct diagnosis and lays the foundation for advanced studies in internal medicine.

Textbooks
Ettinger SJ. Feldman EC. eds. Textbook of Veterinary Internal Medicine. Vol 1 & 2. Missouri: Elsevier Saunders 2005

VETS9006
Veterinary Internal Medicine 2
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Vanessa Barrs Instructor(s): Dr Vanessa Barrs, Dr Jules Beatty **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Prerequisites:** VETS9005 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); individual assignment (one of the following: literature review for a research study (approx 5000 words); preparation of a written case-report (approx 5000 words); preparation of an interactive case for web-CT; design of a medicine tutorial (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Small Animal Clinical Studies). Employment in the University Veterinary Clinic would normally be a condition of enrolment. Students must possess a veterinary qualification registrable in NSW.

Associated degrees: Grad Cert Vet Stud.

Veterinary interns will be rostered to consult with the University Veterinary Centre, Sydney (UVCS) Medicine Service, primarily on first opinion cases. Interns will be supervised closely by a veterinary specialist in small animal, feline or canine medicine or by a referral medicine registrar. Veterinary interns will participate in the daily consultation, diagnostic investigation and treatment of primary accession cases. They will receive further training in problem-oriented medical case-solving and in diagnostic procedures on a case-by-case basis. Case investigation and management will be discussed on a daily basis at medicine rounds with colleagues in the medicine unit and with Program Academic Supervisors. Veterinary interns will present cases at weekly specialist medicine rounds where academics, external specialists and other practitioners attend. They will participate in weekly medicine journal club, appraising and critiquing literature relevant to small animal medicine. Opportunities for participation in clinical research projects will also be provided. This unit aims to re-inforce the principles of internal medicine as applied to the diagnostic investigation and therapy of disease in small animals. It focuses on implementation of the problem-oriented approach to medicine: defining the problems, identifying systems involved, localising lesions and identifying possible pathogenetic mechanisms of disease. It aims to show how application of this approach facilitates correct diagnosis and lays the foundation for advanced studies in internal medicine.

Textbooks
Ettinger SJ. Feldman EC. eds. Textbook of Veterinary Internal Medicine. Vol 1 & 2. Missouri: Elsevier Saunders 2005

VETS9007
Veterinary Surgery
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Vanessa Barrs Instructor(s): Assoc Prof Geraldine Hunt **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); external presentation (10%), individual assignment (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must possess a veterinary qualification registrable in NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is

core to the MVetStud (Small Animal Clinical Studies). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

Veterinary interns will participate in second opinion, referral, in-house and primary accession consultations with the University Veterinary Centre, Sydney Surgery Service. They will participate in surgical procedures performed by the surgery service. Veterinary interns will perform surgical procedures on primary accession cases and participate in a spey clinic. They will be closely supervised by a surgery specialist or surgery referral registrar. Case management will be discussed at daily surgery rounds and on a case-by-case basis with supervisors.

At the end of this unit of study, students will: Apply effective problem solving skills, including consideration of differential diagnoses, and the use of appropriate and cost effective diagnostic aids to diagnose the common surgical conditions of small animals; Develop and implement appropriate surgical techniques for common conditions in small animals; Communicate effectively with clients regarding the management, treatment and relevant costs involved with the surgical conditions of their animals; Communicate effectively, orally and through appropriate sources of veterinary literature, with fellow veterinarians within the University and wider veterinary community; Work effectively individually and part of a team, including provision of support and advice to junior and senior colleagues; Demonstrate an ability to adapt to an environment of change and make decisions and act accordingly in unpredictable circumstances that might be encountered in small animal surgery; Demonstrate an ability to instruct/supervise junior colleagues in ovariohysterectomy and castration of small animals, through practical and theoretical demonstration of knowledge of the anatomy of the abdominal wall, urogenital tract, anatomical features that may complicate or facilitate ovariohysterectomy/ castration, advantages and disadvantages of open and closed castration.

Textbooks

Slatter DH. ed. Textbook of Small Animal Surgery. 2nd edn. Philadelphia: WB Saunders 2002
Fossum T. ed. Small Animal Surgery. 2nd edn. Mosby 2002

VETS9008
Veterinary Anaesthesia
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Vanessa Barrs Instructor: Dr Sanaa Zaki **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. **Assessment:** On-going assessment of performance (50% of the final mark); 45 minute viva voce interview (25%); individual assignment (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must possess a veterinary qualification registrable in NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Small Animal Clinical Studies). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

At the end of this Unit of Study, students should be able to: Demonstrate the ability to consistently and accurately assess a broad range of animal patients in terms of anaesthetic risk by integrating information obtained from the results of a physical examination and the interpretation of laboratory and other diagnostic tests; Demonstrate the ability to formulate logical, structured, flexible and appropriate anaesthetic and analgesia regimens for a variety of patients, including those which are healthy and those presenting with common disease conditions; Demonstrate the ability to safely induce and maintain anaesthesia in healthy patients and those presenting with common disease conditions. Included in this is the demonstrated ability to monitor, accurately assess and respond appropriately to changes in anaesthetic depth and to recognise and respond appropriately to complications that may arise in the perioperative period as well as the ability to recognise and respond anaesthetic depth and to recognise and respond appropriately to complications that may arise in the perioperative period as well as the ability to recognise and respond appropriately to pain in cats and dogs; Demonstrate the ability to consistently maintain complete and structured anaesthetic records.

Textbooks

Seymour C. Gleed R. BSAVA Manual of Small Animal Anaesthesia and Analgesia. BSAVA publishers 1999
Muir WW. Hubbell JAE. Skarda RT. Bednarski RM. Handbook of Veterinary Anaesthesia. 3rd edn. Mosby 2001
Paddleford RR. Manual of Small Animal Anaesthesia. 3rd edn. WB Saunders 2003
Thurmon. Tranquilli. Benson. Essentials of Small Animal Anesthesia & Analgesia. Lippincott, Williams & Wilkins 1999
Thurmon JC. Tranquilli WJ. Benson GJ. Lumb and Jones' Veterinary Anaesthesia. 3rd edn. Williams& Wilkins 1996
Nunn JF. Utting JE. Brown BR. General Anaesthesia. 5th edn. Butterworths 1989
Bedford PGC. Small Animal Anaesthesia The Increased - Risk Patient. Bailliere Tindell 1991
Stoelting RK. Dierdorf SF. Anesthesia and Co-Existing Disease. 3rd edn. Churchill & Livingstone 1993
Flecknell P. Waterman-Pearson A. Pain Management in Animals. WB Saunders 2000
Gayner JS. Muir WW. Handbook of Veterinary Pain Management. 1st edn. Mosby 2002
Greene SA. Veterinary Anaesthesia and Pain Management secrets. Hanley & Belfus. Medical Publishers 2002
Hall WL. Taylor PM. Feline Anaesthesia. 1st edn. Bailliere Tindall 1994
Taylor. Clarke. Handbook of Equine Anaesthesia. Saunders 1999
Meredith. Redrobe. BSAVA Manual of Exotic Pets. 4th edn. BSAVA Publishers 2002
Macintire. Drobatz. Haskins. Saxon. Manual of Small Animal Emergency and Critical Care Medicine. Lippincott, Williams & Wilkins 2005
Day. Mackin. Littlewood. BSAVA Manual of Small Animal Haematology and Transfusion Medicine. BSAVA publishers

VETS9009
Veterinary Diagnostic Imaging
Veterinary Science

Credit points: 3 **Teacher/Coordinator:** Program Academic Supervisor: Dr Vanessa Barrs Instructor: Dr Graeme Allen **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. **Assessment:** On-going assessment of performance (50% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); 30 minute viva voce interview interpreting diagnostic images (30%), 15 minute abdominal ultrasound examination in a dog or a cat. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Small Animal Clinical Studies). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: M Vet Stud.

At the end of this Unit of Study, students will develop skills in the use of diagnostic imaging in small animal clinical studies including: An ability to interpret and evaluate the clinical and pathophysiological features of disease of small animals as related to veterinary diagnostic imaging; A demonstrable skill in interpretation and reporting of radiographic and sonographic images; Knowledge of special diagnostic imaging procedures, including radiography, ultrasonography and other imaging modalities, including the pharmacology of radiographic contrast media and their physiological effects; Ability to perform and interpret the findings of an abdominal ultrasound examination in a dog and a cat.

VETS9021
Equine Surgery and Anaesthesia 1
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Tony Mogg Instructor(s): Dr Tony Mogg, Dr Christine Smith, Assoc Prof Andrew Dart, Dr Robin Bell, Dr Jamie Textor, Dr Christina Dart, Dr Zara Watson, Dr Jo Rainger **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); written report (25%); oral presentation (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Equine Medicine and Surgery). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

At the end of this Unit of Study, students will: Have a detailed understanding of the history, signalment, presenting signs, physical examination findings, diagnosis, treatment and prognosis of the common surgically treated equine diseases in Australasia. This includes surgical diseases of the musculoskeletal system, alimentary tract, respiratory tract, urogenital system, skin and eye; Have a detailed understanding of the indications for, surgical techniques, post-operative care and potential complications of the common surgical procedures performed in ambulatory equine practice; Have a detailed understanding of the management of equine wounds; Have a detailed understanding of appropriate anaesthetic protocols for field anaesthesia in horses; Be able to identify and appropriately manage potential anaesthetic complications, as they pertain to field anaesthesia.

Textbooks

Auer JA. ed. Equine Surgery. 3rd edn. St Louis: Saunders Elsevier 2006
Taylor PM. Clarke KW. Handbook of Equine Anaesthesia. London: Saunders 1999

VETS9023
Equine Lameness
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Tony Mogg Instructor(s): Dr Tony Mogg, Dr Christine Smith, Assoc Prof Andrew Dart, Dr Robin Bell, Dr Jamie Textor **Session:** Semester 1, Semester 2 **Classes:** Supervision. **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); written report (25%); oral presentation (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Equine Medicine and Surgery). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

At the end of this Unit of Study students will: Be able to perform a thorough lameness examination; including assessment of conformation, gait analysis, palpation, manipulation, and local analgesic techniques; Have a detailed understanding of the history, signalment, presenting signs, physical examination findings, diagnosis, treatment and prognosis of the common causes of equine lameness in Australasia; Have a basic understanding of the principles of podiatry as they apply to equine lameness.

Textbooks

Auer JA. ed. Equine Surgery. 3rd edn. St Louis: Saunders Elsevier 2006
Taylor PM. Clarke KW. Handbook of Equine Anaesthesia. London: Saunders 1999

VETS9024
Equine Medicine 1
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Tony Mogg Instructor(s): Dr Tony Mogg **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); written report (25%); oral presentation (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Equine Medicine and Surgery). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

At the end of this Unit of Study, students will: Be able to perform a thorough physical examination of a horse (including the neonatal foal); Have a detailed understanding of the history, signalment, presenting signs, physical examination findings, diagnosis, treatment and prognosis of the common medically treated equine diseases in Australasia; This includes medical diseases of the alimentary tract, respiratory tract, cardiovascular system, nervous system, urogenital system, haemopoeitic system, endocrine system, skin and eye; Have a basic understanding of the clinical pharmacology of those drugs routinely used in equine practice; Have a basic understanding of the interpretation of common equine clinicopathologic abnormalities; including haematologic, biochemical and cytologic abnormalities.

Textbooks

Reed SM. Bayly WM. Sellon DC. eds. Equine Internal Medicine. 2nd edn. St Louis: Saunders 2004
Robinson NE. ed. Current Therapy in equine Medicine 5. Philadelphia: Saunders 2003
Bertone JJ. Horspool LJI. eds. Equine Clinical Pharmacology. Edinburgh: Saunders 2004

VETS9026
Equine Diagnostic Imaging
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Dr Tony Mogg Instructor(s): Dr Tony Mogg, Dr Christine Smith, Assoc Prof Andrew Dart, Dr Robin Bell, Dr Jamie Textor **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); practical examination (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Equine Medicine and Surgery). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

At the end of this Unit of Study, students will: Have a basic understanding of the principles of radiography, ultrasonography, nuclear scintigraphy and magnetic

resonance imaging as they pertain to equine practice; Be able to produce radiographs of diagnostic quality of the equine lower limb; Be able to identify equine radiographic abnormalities, especially those of the lower limb; Be able to perform routine ultrasonographic examinations of the equine lower limb, abdomen and thorax; Be able to identify equine ultrasonographic abnormalities, especially those of the lower limb, abdomen and thorax.

Textbooks

Butler JA. Colles CM. Dyson SJ. et al. eds. Clinical Radiology of the Horse. 2nd edn. Oxford: Blackwell Science 2000
Reef VB. Equine Diagnostic Ultrasound. Philadelphia: Saunders 1998

VETS9031
Ruminant Medicine
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof John House Instructor: Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed case log that will be assessed by a Board (10%); 45 minute viva voce interview (25%), individual assignment (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective in the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Ruminant Medicine and Surgery). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

The objective of this course is to provide advanced training in ruminant medicine. The course is conducted in a clinical setting providing for hands on experience and development of problem solving skills. Students will be presented with a mixture of case material that ranges from health problems in individual animals to health and production problems that relate to specific herds or larger populations of livestock. The emphasis of the program is to develop an analytical approach to large animal medicine based on sound science, a systematic diagnostic approach and a thorough analysis of available data. The extension of this process is a transition from a reactive problem solving relationship with clients to a proactive involvement in decision making,

design, implementation, and monitoring of livestock populations to promote animal health, production, and welfare. At the end of this Unit of Study, students will: Develop a detailed knowledge regarding the pathophysiology of common ruminant diseases; Develop a systematic approach to the diagnosis of ruminant diseases in individual animals and an understanding of the implications for the population at risk; Implement management and/or treatment protocols for common medical conditions in ruminants; Develop analytical skills to investigate health and performance in livestock production animal systems; Design, implement, and monitor management protocols to promote animal health, production, and welfare in livestock populations; Communicate effectively with clients regarding individual animal and herd management; Communicate effectively, orally and through appropriate sources of veterinary literature, with fellow veterinarians within the University and wider veterinary community; Work effectively individually and as part of a team, including provision of support and advice to junior and senior colleagues; Ability to adapt to an environment of change and make decisions and act accordingly in unpredictable circumstances that might be encountered in a veterinary referral centre.

Textbooks

Smith BP. Large Animal Internal Medicine. 3rd edn. St Louis: Mosby
Radostis OM. Gay CC. Blood DC. Hinchcliff KW. Veterinary Medicine. 9th edn. London: WB Saunders
Radostits OM. Herd Health, Food Animal Production Medicine. London: WB Saunders

VETS9032
Ruminant Nutrition
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof John House Instructor: Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark); submission of a detailed herd nutritional assessment derived from a review conducted over the duration of the course (35%); 45 minute viva voce interview (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registrable with Veterinary Surgeons Board of NSW. This unit is core to the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Ruminant Medicine and Surgery and Animal Production). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

The objective of this course is to provide theoretical and practical training in ruminant nutrition. Students will evaluate the nutritional status of herds during disease investigations and develop experience formulating rations working with client herds. These experiences are anticipated to provide students with skills in problem solving nutrition related health problems and an opportunity to observe the health and production response of livestock to the varied nutritional management practices found in herds utilizing the services of the Ruminant Health and Production Clinical Service. At the end of this Unit of Study, students will: Formulate rations using available feed ingredients; Investigate and interpret the impact of nutritional management on livestock health and production; Communicate effectively with clients regarding ruminant nutrition and the interactions between nutrition, health, reproduction and production; Communicate effectively, orally and through appropriate sources of veterinary literature, with fellow veterinarians within the University and wider veterinary community; Work effectively individually and as part of a team, including provision of support and advice to junior and senior colleagues.

Textbooks

Nutritient Requirements of Dairy Cattle, Subcommittee on Dairy Cattle Nutrition, Committee on Animal Nutrition, National Research Council

VETS9033
Ruminant Surgery
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof John House Instructor: Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** On-going assessment of performance (40% of the final mark), submission of a detailed case log that will be assessed by a Board (30%), 45 minute viva voce interview (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registrable with Veterinary Surgeons Board of NSW. This unit is core to the Postgraduate Program in Veterinary Studies and is core to the MVetStud (Ruminant Medicine and Surgery and Animal Production). Employment in the University Veterinary Clinic would normally be a condition of enrolment.

Associated degrees: Grad Cert Vet Stud.

At the end of this Unit of Study, students will: Identify indications for surgical procedures in ruminants; Develop and implement an appropriate pre surgical management plan; Develop and implement appropriate analgesia or anaesthesia protocols in order to perform surgical or diagnostic procedures in ruminants; Conduct appropriate surgical techniques for common conditions in ruminants; Develop and implement an appropriate post surgical management plan for patients following surgery; Communicate effectively with clients regarding the management, treatment and relevant costs involved with the surgical conditions of their animals in an Australian context; Communicate effectively, orally and through appropriate sources of veterinary literature, with fellow veterinarians within the University and wider veterinary community; Work effectively individually and as part of a team, including provision of support and advice to junior and senior colleagues; Ability to adapt to an environment of change and make decisions and act accordingly in unpredictable circumstances that might be encountered in a veterinary referral centre.

Textbooks

Fabini SL. Ducharme NG. Farm Animal Surgery. St Louis: WB Saunders

VETS9050
Diagnostic Laboratory Techniques
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor: Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 5,000 word assignment and an oral presentation or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is core to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Cert Vet Stud.

This Unit of Study focuses on components that allow a diagnostic veterinary laboratory to provide quality information for the purposes of diagnosis and prognosis. There will be opportunities to understand specimen handling and processing, safety in the laboratory, diagnostic instrumentation, aspects of quality control and assurance for laboratory results, and the establishment and use of reference ranges. Students will be exposed to the theory and practice of a wide range of diagnostic techniques and procedures.

At the end of this Unit of Study, students will: Operate common laboratory instrumentation; Know safety requirements for handling and processing biological specimens; Understand aspects of quality control and assurance in relation to laboratory results; Understand the use of reference ranges; Know the theory behind common diagnostic laboratory techniques; Communicate effectively to colleagues results of laboratory tests.

Textbooks

Raphael SS (senior author). Lynch's Laboratory Technology. 4th edn. Philadelphia: WB Saunders 1983 ISBN 0-7216-7465-8
Kaplin LA. Pesce AJ. eds. Clinical Chemistry. 3rd edn. St Louis: Mosby 1996 ISBN 0-8151-5243-4
Burtis CA. Ashwood ER. eds. Tietz Fundamentals of Clinical Chemistry. 5th edn. Philadelphia: WB Saunders 2001 ISBN 0-7216-8634-6

VETS9051
Haematological and Biochemical Analysis
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor: Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 **Assumed knowledge:**

Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 5,000 word assignment and an oral presentation or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is core to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Cert Vet Stud.

This Unit of Study focuses on the use of haematological and biochemical tests in the investigation of disease. Faecal analysis and Urinalysis (all aspects) are included in this unit for convenience. Students will develop knowledge of commonly used tests and analytes, and skill in interpretation of results. Practical skills will be developed in haematology, urinalysis and faecal analysis. At the end of this Unit of Study, students will: Know and use the range of haematological and biochemical tests available for investigation of disease; Perform a full blood count; Understand haematological investigation of anaemia, leukaemia and bleeding disorders; Perform routine urinalysis; Perform faecal analysis; Identify cells and other morphological structures on blood films, urine wet preparations, and faecal smears; Interpret the significance of results and communicate these effectively to colleagues.

Textbooks

Archer RK. Jeffcott LB. Comparative Clinical Haematology. 1st edn. Oxford: Blackwell Scientific. 1977 ISBN 0-632-00289-1

VETS9052
Necropsy and Surgical Pathology
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor(s): Dr Mark Krockenberger, Dr Kate Bosward, Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 5,000 word assignment and an oral presentation or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is core to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Cert Vet Stud.

This unit focuses on developing observation, interpretation and reporting skills for morbid anatomy and histopathology. Students will perform necropsies and select tissues for histopathological examination. They will also be exposed to techniques of processing and staining (H&E, special stains and immunohistochemical staining). There will be special attention paid to describing gross and microscopic changes, and writing reports. Students will be exposed to the fundamentals of interpretation. At the end of this Unit of Study, students will: Perform necropsies on, and collect tissues from, standard species; Effectively describe and communicate gross pathological changes (necropsy and biopsy); Select fixed tissues for histopathological processing; Understand the theory and practice of tissue processing and staining; Examine and describe histopathological slides; Understand basic interpretive techniques; Write adequate biopsy and necropsy reports.

Textbooks

Slauson DO. Cooper BJ. Mechanisms of Disease. A Textbook of Comparative General Pathology. 3rd edn. Mosby 2002
McGavin MD. Carlton WW. Zachary JF. Thomson's Special Veterinary Pathology. 3rd edn. Mosby 2000

VETS9053
Microbi-, Cyt-&Parasit-ological Analysis
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor: Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 6,000 word assessment (includes case reports), oral presentation or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is core to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Cert Vet Stud.

This Unit of Study focuses on the routine processing and basic interpretation of samples. Part of this unit will be an understanding of the appropriateness of samples, especially for microbiological processing. Detection and identification of micro-organisms (especially bacteria and fungi) and determination of appropriate treatment will be a major component, as will the identification and interpretation of cells in fluids and fine needle cell aspirates. In many cases, cytological examination and interpretation is likely to be linked with microbiological investigation. Students will be exposed to some simple virological tests and procedures, and parasitological (metazoa and protozoa) examination and interpretation. At the end of this Unit of Study, students will: Process appropriate microbiological, cytological and parasitological samples; Detect and identify common microbes and parasites; Understand and determine antimicrobial treatment; Understand fundamental concepts surrounding infection, infestation and the production of disease; Identify and interpret cells and other morphological structures in fluids and fine needle cell aspirates; Write adequate reports for microbiological, cytological and parasitological samples.

Textbooks

Raskin RE. Meyer DJ. eds. Atlas of Canine and Feline Cytology. 1st edn. Philadelphia: WB Saunders 2001 ISBN 0-7216-6335-4

VETS9054
Diagnostic Instrumentation Advanced
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor: Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 and VETS9051 and VETS9052 and VETS9053 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 5,000 word assessment and oral presentations or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Dip Vet Stud.

This Unit of Study focuses on laboratory instrumentation used in veterinary practice as well as in a commercial laboratory practice. Students will be exposed to in-depth theory and practice of a wide range of diagnostic techniques and procedures. There will be a greater emphasis on quality control and assurance for laboratory results. Statistical analysis of results and establishment of reference intervals will be an important component of this UoS. At the end of this Unit of Study, students will: Effectively operate common and advanced laboratory instrumentation; Know safety requirements for handling and processing biological specimens; Have advanced understanding aspects of quality control and assurance in relation to laboratory results; Understand the statistical evaluation of laboratory results; Be able to develop reference intervals for a range of biochemical and haematological tests; Know in-depth the theory behind common and advanced diagnostic laboratory techniques; Communicate effectively to colleagues results of laboratory tests.

Textbooks

Kaneko JJ. Harvey JW. Bruss ML. eds. Clinical Biochemistry of Domestic Animals. 5th edn. San Diego: Academic Press Inc.1997 ISBN 0-12-396305-2

VETS9055
Clinical Pathology Interpretation Adv
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor: Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 6,000 word assessment and oral presentations or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registrable with Veterinary Surgeons Board of NSW. This unit is an elective to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Dip Vet Stud.

This Unit of Study focuses on the advanced interpretation of clinical pathology results for purposes of diagnosis and prognosis. There will be a great emphasis on haematological and biochemical test analysis, with students being introduced to specialist topics such as bone marrow analysis, blood typing, coagulation studies, endocrinological analysis, protein electrophoresis analysis and acute phase proteins determination. At the end of this Unit of Study, students will: Understand advanced haematological investigation of anaemia, leukaemia and bleeding disorders; Perform bone marrow analysis; Perform and interpret coagulation studies; Perform and interpret endocrine assays; Perform and interpret protein electrophoretic and acute phase protein analysis; Interpret the significance of al clinical pathology results and communicate these effectively to colleagues.

Textbooks

Archer RK. Jeffcott LB. Comparative Clinical Haematology. 1st edn. Oxford: Blackwell Scientific 1977. ISBN 0-632-00289-1

VETS9056
Necropsy and Surgical Pathology Adv
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor(s): Prof Paul Canfield, Dr Mark Krockenberger, Dr Katrina Bosward **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 and VETS9052 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** 6,000 words assessment, oral presentation (may be included in necropsy procedures), necropsy and surgical pathology techniques and reporting are a major emphasis and will incorporate most of the 6,000 words assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Dip Vet Stud.

This Unit of Study focuses on developing advanced observation, interpretation and reporting skills for morbid anatomy and histopathology. Students will perform necropsies and select complete ranges of tissues for histopathological examination. They will also be expected to develop skills in techniques of processing a wide range of tissues and staining (in particular histochemical and immunohistochemical stains). There will be a greater emphasis (compared to VETS6052) paid to describing gross and microscopic changes, and writing reports. Students will be exposed to advanced levels of interpretation. At the end of this Unit of Study, students will: Perform necropsies on, and collect a wide range of tissues from, standard species; Describe and communicate gross pathological changes (necropsy and biopsy) at an advanced level; Select a wide range of fixed tissues for histopathological processing; Understand the theory and practice of routine tissue processing and staining; Understand the theory and practice of histochemical and immunohistochemical processing and staining; Perform histochemical and immunohistochemical processing and staining; Examine and describe histopathological slides to an advanced level; Be able to interpret common diseases from necropsy and biopsy material; Write superior biopsy and necropsy reports.

Textbooks

Slauson DO. Cooper BJ. Mechanisms of Disease. A Textbook of Comparative General Pathology. 3rd edn. Mosby 2002

VETS9057
Cytological Analysis Advanced
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Prof Paul Canfield Instructor: Prof Paul Canfield **Session:** Semester 1, Semester 2 **Classes:** Supervision **Prerequisites:** VETS9050 and VETS9053 **Assumed knowledge:** Students will have fundamental understanding of the causes, development, appearance and investigation of veterinary medicine to a veterinary graduate level. Bachelor of Veterinary Science or equivalent. **Assessment:** Assessment may be negotiated between student and supervisor to the equivalent of: 5,000 - 6,000 words of formal, written assignments (includes case reports), One 15 minute presentation, Cytological processing and reporting (non-negotiable). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Degree registerable with Veterinary Surgeons Board of NSW. This unit is an elective to the Postgraduate Program in Veterinary Studies (Veterinary Diagnostic Pathology).

Associated degrees: Grad Dip Vet Stud.

This Unit of Study focuses on the processing and interpretation of cytological samples. This will include both fluid and solid tissue analysis. There will be an emphasis on description and interpretation of fluids and solid tissue cytology. There will be an expectation that report writing will be of a high standard. At the end of this Unit of Study, students will: Process cytological samples from urine, joints, body cavities and cerebrospinal fluid; Process cytological samples from solid tissue (including fine needle cell aspirates, imprints and scrapings); Identify and interpret cells and other morphological structures in fluids and solid; Interpret pathological processes and common conditions in cytological samples; Write superior reports for cytological samples.

Textbooks

Raskin RE. Meyer DJ. eds. Atlas of Canine and Feline Cytology. 1st edn. Philadelphia: WB Saunders 2001. ISBN 0-7216-6335-4
Baker R. Lumsden JH. eds. Color Atlas of Cytology of the Dog and Cat. 1st edn. St Louis: Mosby. 2000. ISBN 0-8151-0402-2
Cowell RL. Tyler RD. Meinkoth JH. eds. Diagnostic Cytology and Hematology of the Dog and Cat. 2nd edn, St Louis: Mosby. 1999. ISBN 0-8151-0362-X
Cowell RL. Tyler RD. eds Diagnostic Cytology and Hematology of the Horse. 2nd edn. St Louis: Mosby Inc. 2002. ISBN 0-323-01317-1

VSAO5004
Opera Performance Repertoire 1
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr coaching/wk **Assessment:** Performance of selected excerpts from the role(s) chosen before a panel **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

Students work with a coach to prepare role(s) chosen in consultation with the teacher.

VSAO5005
Opera Performance Repertoire 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr coaching/wk **Prerequisites:** VSAO5004 Opera Performance Repertoire 1 **Assessment:** Performance of selected excerpts from the role(s) chosen before a panel **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

Students work with a coach to prepare role(s) chosen in consultation with their teacher.

VSAO5006
Principal Study (Opera) 1
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr voice lesson; 1hr coaching; 2hr concert practice/wk and masterclasses and workshops as appropriate **Assessment:** Major role in opera production, or minor role and 10 minute public recital, or chorus role and 20 minute public recital. performance (90%) program notes (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

Students will be expected to present two performance demonstrations each semester and will be assigned peer group and stage management duties. In Performance Practice all opera students are expected to sing at least twice in each semester as well as perform stage management duties. Masterclasses and workshops provide a

forum for all graduate voice students to work with vocal lecturers on technical and interpretive aspects of vocal performance.

VSAO5007
Principal Study (Opera) 2
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr voice lesson; 1hr coaching; 2hr concert practice/wk and masterclasses and workshops as appropriate. **Prerequisites:** VSAO5006 Principal Study Opera 1 **Assessment:** Major role in opera production, or minor role and 10 minute public recital, or chorus role and 20 minute public recital. performance (90%) program notes (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

This unit will build on and consolidate technical and artistic aspects of vocal development begun in Principal Study Opera 1.

VSAO5008
Graduate Production 1
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 60-70hrs/sem consisting of acting, dance, ensemble rehearsals, workshops and concert and/or staged performances **Assessment:** Progressive assessment based on workshop/performance activities **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

To develop skills as an operatic performer, with particular emphasis on character and role building, movement and gesture, the understanding of emotional context, and general communication skills. As this is a workshop/production-based unit, students must understand that additional hours may be necessary.

VSAO5009
Graduate Production 2
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 60-70hrs/sem consisting of acting, dance, ensemble rehearsals, workshops and concert and/or staged performances. **Prerequisites:** VSAO5008 Graduate Production 1 **Assessment:** Progressive assessment based on workshop/performance activities. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

The further development and refinement of skills studied in Graduate Production 1.

VSAO5022
Principles of Studio Pedagogy
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R.Cowley **Session:** Semester 1 **Classes:** 2 hrs/week or equivalent **Assessment:** Oral presentation 40%, 5000 word presentation 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mus (Ped), Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

The course promotes dialogue across teaching specialisations and focuses on three broad areas related to studio pedagogy. First, aspects of educational psychology, such as the cognition, motivation, and self-regulation will be examined within a developmental context. Second, the psychology of music will be applied to the development of musical performance and perceptual skills. Third, research on effective teaching within and beyond the music studio will be addressed, including aspects of cultural context, curriculum, and assessment. A critical engagement in a range of research literature and scholarly writing skills are developed throughout the unit of study.

VSAO5023
Teaching Method (Studio Pedagogy) 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 1 **Classes:** 2 hours/week or equivalent including micro-teaching modules as appropriate **Assessment:** Oral presentation (40%); 5000 word written presentation (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mus (Ped), Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This course examines the bases for, history and practice of instrumental and vocal teaching methods and develops expertise relevant to the particular teaching and performing specialisation of the student. The approach will be comparative with the aim of assisting students to develop their own approach to teaching based on evidence, reflection, experience and research.

VSAO5024
Pedagogical Repertoire 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 1 **Classes:** 2 hrs/week comprising 1 hr lecture and 1 hr workshop **Assessment:** Oral presentation (40%); written assignments comprising 2500 word written presentation and process diary (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mus (Ped), Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This unit provides a survey of approaches to repertoire, program building and performance preparation within a pedagogical context, including consideration of style from the perspective of genre, performance context and historical traditions of performance practice, text and character (where appropriate). It surveys possible physical, intellectual and psychological preparation strategies for performers. It provides a survey of teaching repertoire in the area of the student's instrumental or vocal specialization and accesses resources which assist in repertoire choice. The unit includes performance of relevant repertoire.

VSAO5025
Studio Practicum 1
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 1 **Classes:** 4 hours of instrumental or vocal tuition or the equivalent spread over twelve weeks and 8 two-hour teaching workshops **Assessment:** Individual instrumental or vocal development (comprising reflective practice diaries and masterteacher report) (40%): Workshop participation and workshop reflective diaries (including, as appropriate, audio and video material) (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Mus (Ped), Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This course provides an opportunity for students to work in a group with a Conservatorium teacher on their technical and artistic development, as a basis for their teaching work. In addition, students will participate in a series of workshops which will include visiting teacher demonstrations and teacher observed peer teaching lessons, applying principles and skills learned in Principles, Method and Repertoire courses. In both instrumental and vocal lessons and peer teaching students will be encouraged to self-evaluate by use of audio and video recordings and reflective journals.

VSAO5026
Research Method (Studio Pedagogy)
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 2 **Classes:** 2 hrs per week or equivalent. **Assessment:** Oral presentation (40%): 5000 word presentation (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This course is a brief introduction to research in this field, and is a preparation both for the Research Project in Studio Pedagogy (VSAO 5032, VSAO 5033 and VSAO 5034) and for general research in this

field. It looks briefly at the current state of research in studio music pedagogy, including expert-novice apprenticeship models, lesson interaction, problem solving and evaluation of research. It then surveys the major paradigms of research, including qualitative and quantitative methods and strategies. The course then focuses on the development of research questions, literature reviews and the choice of appropriate methods and materials for individual projects, including the submission of Human Ethics Committee applications where appropriate.

VSAO5027
Teaching Method (Studio Pedagogy) 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 2 **Classes:** 2 hours per week or equivalent including micro-teaching modules as appropriate. **Assessment:** Oral presentation (40%): 5000 word written presentation (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This course further builds on the surveys, research and teaching modules developed in Teaching Method (Studio Pedagogy) 1. The approach will be comparative with the aim of assisting students to develop their own approach to teaching based on evidence, reflection, experience and research.

VSAO5028
Pedagogical Repertoire 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 2 **Classes:** 2 hrs per week comprising 1 hr lecture and 1 hr workshop. **Assessment:** Oral presentation (40%): written assignments comprising 2500 word written presentation and process diary (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This unit continues the survey of repertoire and development of the foundations for repertoire choice in the student's area of expertise developed in Pedagogical Repertoire 1. It continues the exploration of repertoire, program building and performance preparation including consideration of style from the perspective of genre, performance context and historical traditions of performance practice, text and character (where appropriate) and includes a survey of possible physical, intellectual and psychological preparation strategies for performers.

VSAO5029
Studio Practicum 2
Sydney Conservatorium of Music

Credit points: 6 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 2 **Classes:** 4 hours of instrumental or vocal tuition or equivalent, spread over twelve weeks and 8 two-hour teaching workshops. **Assessment:** Individual instrumental or vocal development (comprising reflective practice diaries and teacher report) (40%); workshop participation and workshop reflective diaries (including, as appropriate, audio and video material) (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Ped), M Mus Stud (Ped), PG Coursework Exchange.

This unit continues the work started in Studio Practicum 1. It provides an opportunity for students to work in a group with a Conservatorium teacher on their technical and artistic development, as a basis for their teaching work. In addition, students will participate in a series of workshops which will include visiting teacher demonstrations and observed peer teaching lessons, applying principles and skills learned in Principles, Method and Repertoire courses. In both instrumental and vocal lessons and peer teaching students will be encouraged to self-evaluate by use of audio and video recordings and reflective journals.

VSAO5030
Language and Interpretation 1
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** N. Dorigo **Session:** Semester 1, Semester 2 **Classes:** 1hr tut; 1hr language workshop/wk **Assessment:** Portfolio (40%), recital (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

Each semester will have a tutorial devoted to one language: English, Italian, German and French, as well as a workshop on repertoire in any given language. At the end of four semesters each student will have completed all four different components.

VSAO5031
Language and Interpretation 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** N. Dorigo **Session:** Semester 1, Semester 2 **Classes:** 1hr tut; 1hr language workshop/wk **Prerequisites:** VSAO5030 Language and Interpretation 1 **Assessment:** Portfolio (40%), recital (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Dip Mus (Opera), M Mus Stud (Opera), PG Coursework Exchange.

Each semester will have a tutorial devoted to one language: English, Italian, German and French, as well as a workshop on repertoire in any given language. At the end of four semesters each student will have completed all four different components.

VSAO5032
Research Project in Studio Pedagogy
Sydney Conservatorium of Music

Credit points: 24 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 1 **Classes:** Individual supervision and 2 hour weekly seminar. **Assessment:** 12000 word dissertation (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Ped), PG Coursework Exchange.

Students will develop and implement an individual research project on an aspect of studio pedagogy under the guidance of an individual supervisor. They will also attend a weekly research seminar and be required to present reports on their work in consultation with the seminar coordinator and their supervisor. The research project will be written up as a dissertation.

VSAO5033
Research Project in Studio Pedagogy A
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 1 **Classes:** Individual supervision and 2 hour weekly seminar (part-time pro-rata). **Assessment:** Supervisor report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Ped), PG Coursework Exchange.

Taken by students who have received permission to take the Research Project in Studio Pedagogy on a part-time basis over two semesters. Applications to take the Research Project on a part-time basis must be made in writing to the course coordinator and approved by the Head of School. Students will develop and implement an individual research project on an aspect of studio pedagogy under the guidance of an individual supervisor. They will also attend a weekly research seminar and be required to present reports on their work in consultation with the seminar coordinator and their supervisor.

VSAO5034
Research Project in Studio Pedagogy B
Sydney Conservatorium of Music

Credit points: 12 **Teacher/Coordinator:** Dr R. Cowley **Session:** Semester 2 **Classes:** Individual supervision and 2 hour weekly seminar (part-time pro-rata). **Assessment:** 12000 word dissertation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Ped), PG Coursework Exchange.

Taken by students who have received permission to take the Research Project in Studio Pedagogy on a part-time basis over two semesters. Applications to take the Research Project on a part-time basis must

be made in writing to the course coordinator and approved by the Head of School. Students will develop and implement an individual research project on an aspect of studio pedagogy under the guidance of an individual supervisor. They will also attend a weekly research seminar and be required to present reports on their work in consultation with the seminar coordinator and their supervisor. The research project will be written up as a dissertation.

VSAO6000
Principal Study (Opera) 3
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr voice lesson; 1hr coaching; 2hr concert practice/wk and masterclasses and workshops as appropriate **Prerequisites:** VSAO5007 Principal Study (Opera) 2 **Assessment:** Major role in opera production, or minor role and 10 minute public recital, or chorus role and 20 minute public recital. performance (90%) program notes (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

This unit will build on and consolidate technical and artistic aspects of vocal development begun in Principal Study (Opera) 2.

VSAO6001
Principal Study (Opera) 4
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr voice lesson; 1hr coaching; 2hr concert practice/wk and masterclasses and workshops as appropriate **Prerequisites:** VSAO6000 Principal Study (Opera) 3 **Assessment:** Major role in opera production, or minor role and 10 minute public recital, or chorus role and 20 minute public recital. performance (90%) program notes (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

This unit will be the culmination of technical and artistic aspects of vocal development studied over the four semesters.

VSAO6002
Graduate Production 3
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 60-70hrs/sem consisting of acting, dance, ensemble rehearsals, workshops and concert and/or staged performances. **Prerequisites:** VSAO5009 Graduate Production 2 **Assessment:** Progressive assessment based on workshop/performance activities **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 2.

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

As in Graduate Production 2, with increasing emphasis on self-discovery and personal interpretation.

VSAO6003
Graduate Production 4
Sydney Conservatorium of Music

Credit points: 8 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 60-70hrs/sem consisting of acting, dance, ensemble rehearsals, workshops and concert and/or staged performances. **Prerequisites:** VSAO6002 Graduate Production 3 **Assessment:** Progressive assessment based on workshop/performance activities **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

The further development and refinement of skills studied in Graduate Production 3.

VSAO6004
Language and Interpretation 3
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** N. Dorigo **Session:** Semester 1, Semester 2 **Classes:** 1hr tut; 1hr language workshop/wk **Prerequisites:** VSAO5031 Language and Interpretation 2 **Assessment:** Portfolio (40%), recital (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

Each semester will have a tutorial devoted to one language: English, Italian, German and French, as well as a workshop on repertoire in any given language. At the end of four semesters each student will have completed all four different components.

VSAO6005
Language and Interpretation 4
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** N. Dorigo **Session:** Semester 1, Semester 2 **Classes:** 1hr tut; 1hr language workshop/wk **Prerequisites:** VSAO6004 Language and Interpretation 3 **Assessment:** Portfolio (40%), recital (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

Each semester will have a tutorial devoted to one language: English, Italian, German and French, as well as a workshop on repertoire in any given language. At the end of four semesters each student will have completed all four different components.

VSAO6006
Opera Performance Portfolio 1
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr class/wk with a coach and meetings with the supervisor **Assessment:** A short written reflection (including the Performance Diary) on roles performed and/or studied during the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

Extensive exploration of the role(s) performed and/or studied which could include aspects of performance theory and performance practice. This investigation may focus on the historical, cultural and political contexts of the operas, or could explore unifying thematic or stylistic elements of the roles to be studied. A Performance Diary will form part of the written assessment. A short reflection (including Performance Diary) in the roles performed and/or studied will form the assessment at the end of the first semester.

VSAO6007
Opera Performance Portfolio 2
Sydney Conservatorium of Music

Credit points: 4 **Teacher/Coordinator:** M. Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr class/wk with a coach and meetings (as required) with the supervisor **Prerequisites:** VSAO6006 Opera Performance Portfolio 1 **Assessment:** Lecture/recital accompanied by a written reflection on roles studied over the two semesters **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: Semester 1.

Associated degrees: M Mus Stud (Opera), PG Coursework Exchange.

Students would be expected to give a final presentation representing the roles they have performed and/or studied during the two semesters. The lecture/demonstration accompanied by a written reflective element lincluding the Performance Diary) is the culmination of all work done in Opera Performance Portfolio 1-2.

University postgraduate units of study – W

WILD5001
Australasian Wildlife: Introduction
Science

Credit points: 6 **Teacher/Coordinator:** Professor Chris Dickman **Session:** S1 Intensive **Classes:** Intensively taught unit, the remainder of the unit will involve personal study and project activity. See the Wildlife Health and Population Management website for dates. **Assessment:** assessments for each unit may include practical work, field studies, student presentations and written reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Core

Associated degrees: Grad Cert App Sc (Enviro Sci), Grad Cert App Sc (Wild Hlth & Pop Man), M Envi Sci Law, PG Coursework Exchange.

This unit of study provides an introduction to the wildlife of Australasia, an overview of the present status of that wildlife, and an understanding of both conservation problems and management solutions. Issues in wildlife management are exemplified using a broad range of vertebrate species occupying different environments. Emphasis is placed on providing students with a coordinated and interdisciplinary approach to wildlife health and management, and on developing expertise in recognising and solving a broad range of problems in field populations. The unit integrates lectures, practical work and supervised study, and offers students the opportunity to work through real-world wildlife conservation problems relevant to their individual backgrounds.

WILD5002
Australasian Wildlife: Field Studies
Science

Credit points: 6 **Teacher/Coordinator:** Professor Chris Dickman **Session:** S1 Intensive **Classes:** Intensively taught unit. See the Wildlife Health and Population Management website for dates. **Assessment:** Assessments for each unit may include practical work, field studies, student presentations and written reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Core

Associated degrees: Grad Cert App Sc (Enviro Sci), Grad Cert App Sc (Wild Hlth & Pop Man), M Envi Sci Law, PG Coursework Exchange.

This unit of study provides a first-hand introduction to the wildlife of Australasia, a practical overview of the present status of that wildlife, and an understanding of both conservation problems and management solutions. Issues in wildlife management are exemplified using sampling and diagnostic methods on a broad range of vertebrate species occupying different environments. The unit follows on from WILD5001 and provides practical experience via a five day field trip.

WILD5003
Wildlife Health
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Assoc Prof DN Phalen **Session:** S1 Late Int **Classes:** A full-time week on the Camden campus, with one day spent on a field trip to Taronga Zoo. **Assessment:** The assessment of this unit occurs both in the full-time week and in individual written assignments done in the student's own time. The full-time week contributes 40% of the total mark through a number of individual and syndicate tasks, with presentations to the group. The remaining 60% comes from two written assignments of 3,000 words (20%) and 5,000 words (40%) respectively. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert App Sc (Wild Hlth & Pop Man), PG Coursework Exchange.

This unit of study provides an introduction to the health issues confronting wildlife in Australasia, an overview of the health status of that wildlife, and an understanding of both the investigation of health problems and the effective management of these. Issues in wildlife disease management are exemplified using a broad range of vertebrate species occupying different environments. Emphasis is placed on providing students with a coordinated and interdisciplinary approach to wildlife health, and on developing expertise in recognising and solving a broad range of health problems in field populations. The unit is taught intensively in a full-time week on the Camden campus, with one day spent on a field trip to Taronga Zoo. The unit integrates lectures, practical work and supervised study, and offer students the opportunity to work through real-world wildlife conservation problems relevant to their individual backgrounds.

Textbooks
Unit of Study Handbook is the primary reference.

WILD5004
Vertebrate Pest Management
Science

Credit points: 6 **Teacher/Coordinator:** Tony Buckmaster **Session:** S2 Intensive **Classes:** The Unit is taught in a full-time week at the university farm "Arthursleigh" near Marulan NSW. There are lectures, tutorials, and a variety of practical classes. **Assessment:** The assessment of this unit occurs both in the full-time week and in individual written assignments done in the student's own time. The full-time week contributes 40% of the total mark through a number of individual and syndicate tasks, with presentations to the group. The remaining 60% comes from two written assignments of 3000 words (20%) and 5000 words (40%) respectively. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Optional

Associated degrees: Grad Cert App Sc (Wild Hlth & Pop Man), PG Coursework Exchange.

Vertebrate pests occur in many parts of the world, and can pose significant problems for management of habitat, agricultural productivity, human and wildlife health. This unit focuses on vertebrates that have been introduced to new environments, and considers in detail the impacts and management of pest vertebrates in Australia. Steps in pest management are reviewed, from problem analysis to acceptable levels of control, using case studies of cane toads, rabbits, house mice and red foxes. Traditional mortality methods of management are reviewed, and emphasis placed on developing methods based on fertility control. The Unit is taught in a full-time week at the university farm "Arthursleigh" near Marulan NSW. There are lectures, tutorials, and a variety of practical classes. The Unit is taught in a full-time week at the university farm "Arthursleigh" near Marulan NSW. There are lectures, tutorials, and a variety of practical classes.

Textbooks
Unit of Study Handbook is the primary reference.

WILD5005
In Situ Wildlife Management
Science

Credit points: 6 **Teacher/Coordinator:** Professor Chris Dickman **Session:** S1 Late Int **Classes:** Intensively taught unit. See the Wildlife Health and Population Management website for dates. **Assessment:** Assessments for each unit may include practical work, field studies, student presentations and written reports **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert App Sc (Wild Hlth & Pop Man), PG Coursework Exchange.

Wildlife populations do not remain static, but change in size and composition over both time and space. The challenge for managers is to recognise when change in target populations exceeds acceptable limits and intervention is necessary. This unit of study develops skills in assessing population status and recognising differences between 'small populations' and 'declining populations'. It introduces methods used in population pattern analysis, demographic analysis, threat and

resource assessment, and determination of health, emphasising the value of a coordinated and interdisciplinary approach to problem recognition and resolution.

WILD5006
Ex Situ Wildlife Management
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Assoc Prof DN Phalen **Session:** S2 Late Int **Classes:** The Unit is taught in a full-time week at Western Plains Zoo in Dubbo, NSW. **Assessment:** The assessment of this unit occurs both in the full-time week and in individual written assignments done in the student's own time. The full-time week contributes 40% of the total mark through a number of individual and syndicate tasks, with presenations to the group. The remaining 60% comes from two written assignments of 3,000 words (20%) and 5,000 words (40%) respectively. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert App Sc (Wild Hlth & Pop Man), PG Coursework Exchange.

Wildlife populations are under a variety of threats, most of which result from human activities. Modern conservation biology seeks practical solutions to these problems, using a wide variety of options. These options may include captive breeding and re-introduction programs, provided that a range of biological, ethical and politico-economic issues are addressed. This unit of study will provide students with the ability to evaluate the likely cost-effectiveness of such programs. It will also develop knowledge of the technologies available to capture and translocate wildlife, and of the planning required to ensure the best possible chance of success. The Unit is taught in a full-time week at Western Plains Zoo in Dubbo, NSW. The unit integrates lectures, tutorials, practical work and supervised study, and offers students the opportunity to examine real-world problems in the conservation and management of threatened wildlife populations using case studies relevant to their individual backgrounds.

Textbooks
Unit of Study Handbook is the primary reference.

WILD5009
Research Project
Science

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** meetings throughout semester to be arranged with supervisor. **Assessment:** independent research project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Core for the Masters program

Associated degrees: M Appl Sc (Wild Hlth Pop Man).

A valuable opportunity to apply some of the knowledge gained from earlier coursework, WILD5009 comprises a research project on a topic with significant emphasis on wildlife health and/or population management, as arranged between the student and an appropriate supervisor. This research experience is highly valued by prospective employers as it shows a willingness and ability to undertake guided but independent research. The project is not conducted by way of contact hours per week for a semester. Instead the student is expected to work on the project full-time and in a continuous manner for the semester. This unit of study is available only to students enrolled in the Master of Applied Science (Wildlife Health and Population Management).

WILD5010
Southern Ocean Vertebrates Conservation
Veterinary Science

Credit points: 6 **Teacher/Coordinator:** Program Academic Supervisor: Assoc Prof David Phalen Instructor(s): Assoc Prof David Phalen, Dr Rachael Gray, Dr Tracey Rogers **Session:** Semester 2 **Classes:** Residential and self study. See the Wildlife Health and Population Management website for dates. **Assumed knowledge:** All students will need to have the equivalent of a bachelor's degree. They will be assumed to know how to use electronic resources to search data bases that relate to environmental topics. **Assessment:** presentation, written assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: This unit of study is one that is offered as part of the Master's of Wildlife Health and Population Management program

Associated degrees: Grad Cert Vet Stud.

A diverse range of fish, birds and mammals inhabit the oceans surrounding the Antarctic. These oceans fall under the jurisdiction of many nations and international regulatory agencies. Our knowledge of and ability to monitor the populations of fish, mammals and birds that live in these oceans is complicated by the fact that many species migrate across huge areas of the oceans crossing many jurisdictions. Many nations have an interest in the animals of the Southern Ocean. These interests range from strictly commercial to the desire to see that they are left untouched or at least utilized in a sustainable manner. In this course we will examine how anthropogenic factors are impacting the birds, mammals, and fish of the Southern Oceans and to learn how these changes can be monitored and documented. We will also discuss how commercial interests are regulated by law and how change in these laws may come about and the difficulties of enforcement.

WMST6902
Arguing the Point
Arts

Credit points: 6 **Teacher/Coordinator:** Prof Elspeth Probyn **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 1,000 word thesis problematic; 2-3,000 word literature review; 2-3,000 word thesis ouline; 6-8,000 word thesis chapter **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: D Arts, D Soc Sci, Grad Cert C S, PG Coursework Exchange, Ph D, Ph D (Arts)(Cotutelle).

This core unit of study aims to develop scholarly skills of research, writing and argumentation. Through the study of different examples of academic research, we will carefully draw out why and how certain research and argumentation strategies are privileged in different texts. We will also closely examine different genres of academic writing and different modes of research (including empirical research). The unit will encourage students to develop their own argumentation skills and research practices.

WMST6903
Gender, Media and Consumer Societies
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Driscoll **Session:** Semester 1 **Classes:** 2 hours per wk **Assessment:** 5000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Cert D C C, Grad Cert Media Prac, Grad Dip Arts, Grad Dip Media Prac, Grad Dip Stat Pr, M A, M Litt, M Media Prac, M Strat P R, PG Coursework Exchange, PG Summer/Winter School.

This unit examines theories of consumption in regards to cultural and media products and practices. From the basis of sociology, cultural studies and gender theories, we will critically analyse different forms of belonging and identity that are created through these practices. We will also pay close attention to the critiques of globalisation and consumption, theories of the 'citizen consumer' and the realities of geo-political and economic inequalities that underpin many forms of consumption. The unit focuses on theories of culture, media and consumption, principally through the analyses of case studies.

WMST6904
Modernism, Modernity and Modern Culture
Arts

Credit points: 6 **Teacher/Coordinator:** Dr N. Lusty **Session:** Semester 2 **Classes:** 2 hours per wk **Assessment:** 2 seminar presentations, wriiten + oral - 30%; final research paper, developed from a presentation, 5,000 words - 70% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Dip Arts, M A, PG Coursework Exchange, PG Summer/Winter School.

This unit examines ideas about the modern and modernity as they continue to impact on contemporary cultural analysis. Beginning with post-Enlightenment philosophy, we will consider a range of roughly twentieth-century ideas we have come to identify with 'modernity', 'modernism' and 'postmodernism'. The unit focuses on how these concepts are used in a wide range of academic disciplines and other

cultural fields, including popular culture, media, practices of museums and galleries, literature, philosophy, and the social sciences.

WMST6922
Dissertation Part 1
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Driscoll **Session:** Semester 1, Semester 2 **Assessment:** Research and writing towards a dissertation of 12,000 words on an approved topic, to be completed in WMST6923 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Dip Arts, M A.

Research and writing towards a dissertation of 12,000 words on an approved topic, under the supervision of an academic member of staff. Prospective candidates should consult the postgraduate coordinator prior to enrolment, in order to formulate a topic.

WMST6923
Dissertation Part 2
Arts

Credit points: 6 **Teacher/Coordinator:** Dr C Driscoll **Session:** Semester 1, Semester 2 **Prerequisites:** WMST6922 **Assessment:** Completion and submission of a dissertation of 12,000 words, following satisfactory progress in WMST6922 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Arts, Grad Cert C S, Grad Dip Arts, M A.

Completion and submission of a dissertation of 12,000 words.

WORK5002
Introduction to HRM
Economics and Business

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Three hours per week / 39 hours in intensive mode **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert Int Bus, Grad Dip H R M Coaching, Grad Dip Org Coaching, Grad Dip P A, M Bus, M Ec (Soc Sc), M H R M Coaching, M Int Bus, M Log Man, M Int Bus, M T M, M L L R, M P Admin, PG Coursework E.

This unit introduces students to competing perspectives on the nature, meaning and implications of Human Resource Management (HRM) and highlights the distinction between functional, normative and critical approaches to understanding HRM. The unit also provides an understanding of the key functions and processes associated with the practice of HRM, including: human resource planning, job analysis and work design; staff recruitment and selection; training and development; performance management and motivation; managing rewards and remuneration; equal opportunity and diversity management; international dimensions of HRM; and evaluating the effectiveness of HRM policies and practices. Opportunities are provided throughout the unit for consideration of case studies relating to particular issues.

WORK5003
Management and Organisations
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week / 39 hours in intensive mode **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert Com, Grad Cert I R & H R M, Grad Cert Int Bus, Grad Dip Com, Grad Dip Org Coaching, M Bus, M L L R.

This unit aims to introduce students to the nature and context of management. It explores the functions and processes of management and encourages students to critically reflect on management theory and practice. It can be taken as a standalone unit for students enrolled in various specialist masters programs and also prepares students for further study in strategic management, organisational analysis and strategy and human resource management.

WORK6001
Organisational Analysis
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M L L R, PG Coursework Exchange, PG Summer/Winter School.

This unit introduces students to the behaviour of people when acting as members of an organisation. The aim of the unit is to provide an understanding of the processes and structures that influence organisational behaviour, by drawing on ideas from psychology, sociology, management and anthropology. Topics covered include: personality and the self; learning and socialisation; motivation and commitment; group behaviour and dynamics; organisational design and boundaries; organisational culture, change and leadership.

WORK6002
Foundations of Strategic Management
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M L L R, PG Coursework Exchange, PG Summer/Winter School.

This unit provides a crucial examination of the concept of 'strategy' in the management of organisations beginning with an examination of different approaches to strategy and strategic management and the development of strategic management as an academic discipline. The unit then explores the classical strategic management process with the aim of equipping students with skills to be able to understand and complete a strategic plan. It also considers current issues in strategic management, such as the influence of management theorists and gurus; corporate mergers and acquisitions; downsizing; the relationship between strategic planning and firm performance; and the relationship between corporate governance and strategic orientation.

WORK6008
Research Tools at Work
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Assessment:** Continuous: Case studies, practicals, exam and/or research proposal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment. Note: Students wishing to take this unit must first seek approval from the Worrk and Organisational Studies Postgraduate Coursework Coordinator.

Associated degrees: Grad Cert H R M& I R, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Com, M L L R, PG Coursework Exchange.

Provides a practical approach for researching human resource management and industrial relations at the organisational level. The unit provided the research skills that practitioners are increasingly required to demonstrate in the workplace. Students will be equipped to design and implement suitable research programs and well as to evaluate research undertaken by other parties, including external consultants. Topics/tools covered include: research ethics, sampling, methods, survey development, focus groups and other qualitative research methods, survey analysis, experimental research, descriptive and inferential statistical analysis, and writing research reports.

WORK6017
Human Resource Strategies
Economics and Business

Credit points: 6 **Session:** Semester 2, Winter Main **Classes:** Three hours per week / 39 hours in intensive mode **Assessment:** Continuous: Essays, case studies and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip H R M Coaching, Grad Dip Org Coaching, M Bus, M Com, M L L R, PG Coursework Exchange, PG Summer/Winter School.

This unit examines the links between human resource management and strategic management in different kinds of organisations, both in Australia and overseas. The unit provides a critical and in-depth analysis of alternative perspectives on human resource management, paying particular attention to the concepts of strategy, people management and organisational performance. The unit also considers contemporary and controversial issues in human resource management, which may include downsizing, outsourcing, knowledge management, governance and social responsibility.

WORK6018
International Industrial Relations
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Int Bus, M Int Bus & Law, M L L R, PG Coursework Exchange.

This unit provides students with insights into the debate about the effect of globalisation on employment relations by using comparative analysis to identify the range of factors that account for similarities and difference in national patterns of industrial relations. The unit focuses on providing an understanding of the nature of industrial relations patterns in developed and developing market economies and invites students to compare a range of developments across these countries.

WORK6026
Organisational Change and Development
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert Inf Tech Man, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Ec (Soc Sc), M Inf Tech Man, M L L R, PG Coursework Exchange.

This unit seeks to develop diagnostic and prescriptive skills in relation to the management of organisational change while also encouraging the adoption of a critical perspective of the field. Part 1 (Organisational Change and the Nature of Organisations) introduces the fields of organisational change, explains its relevance to organisation performance and strategy and examines key change management models. Part 2 (Diagnosis and Intervention) examines the utility of key organisational change models and techniques and identifies factors that may impact on the effectiveness of the change management process. Part 3 (Key Areas of Intervention) analyses the application of organisational change practices and initiatives to a number of specific organisational issues.

WORK6030
Performance and Rewards
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week **Assessment:** Continuous: Case study reports, presentations and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip H R M Coaching, Grad Dip Org Coaching, M Bus, M Ec (Soc Sc), M L L R, PG Coursework Exchange.

This unit examines the processes and practices associated with contemporary performance and reward management. Results-based, behaviourally-based and competency-based methods of performance management are examined, along with processes of performance review, planning and developing. Coverage of reward management issues includes: job- and person-based approaches to building base pay structures; methods for rewarding individual performance; work group incentives such as gainsharing, goal-sharing and team pay; methods of rewarding employees for organisational performance, including employee share ownership; and performance-related rewards for executives. The unit also examines approaches to developing strategically integrated performance and reward management systems.

WORK6031
Recruitment and Selection
Economics and Business

Credit points: 6 **Session:** Semester 2b **Classes:** 39 hours in Intensive mode **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Ec (Soc Sc), M L L R, PG Coursework Exchange.

This unit examines the purpose and importance of recruitment and selection as a key human resource management function. Specific themes covered include the relationship between recruitment and other human resource management functions, especially staff selection, internal and external sources of recruitment, recruitment methods (advertising, agencies, headhunting), outsourcing as an alternative to recruitment, assessing recruitment effectiveness, legal issues in recruitment, and recruitment and workforce diversity.

WORK6033
Management and Organisational Ethics
Economics and Business

Credit points: 6 **Session:** Semester 1a **Classes:** 39 hours in intensive mode **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert P A, Grad Dip Bus, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Ec (Soc Sc), M L L R, PG Coursework Exchange.

This unit introduces a range of different approaches to management and organisational ethics and the themes and processes associated with each, with a special focus on the field of paid employment. Drawing on a diverse range of philosophical frameworks or varieties of ethical judgement including Kantian philosophy, utilitarianism, distributive justice and Confucian moral traditions, students examine a number of key ethical issues. Issues include: ethical dilemmas facing individuals and managers within organisations (e.g. rights and obligations of employers and employees; affirmative actions and reverse discrimination; whistleblowing; ethical issues for organisations (e.g. computers, ethics and business, deception and misinformation in the areas of collective bargaining, advertising, public relations); and broader questions about the ethical nature of business and its relation with society (e.g. corporate social responsibility, multinational corporations and international business and environmental/ecological concerns). The unit seeks to encourage students to actively interrogate and clarify their own assumptions, values and world view in relation to these matters.

WORK6034
Human Resource Development
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Ec (Soc Sc), M L L R, PG Coursework Exchange.

This unit examines the theories, practices and debates associated with contemporary human resource development (HRD). The unit begins with an exploration of different conceptions of learning and skill. The process of HRD is examined, with a focus on needs assessment and the delivery and evaluation of learning. The relationship between HRD and other areas of HRM is explored, particularly work organisation, performance management, remuneration and enterprise governance. The role of organisational learning and knowledge management are examined in terms of changing conceptions of organisational structure and performance. A second section of the unit places HRD in the context of the wider environment. Australian policy debates are examined and HRD systems in other countries are introduced and comparisons drawn.

The likely success of skills-led models of societal, industry and enterprise development in the context of globalisation and the knowledge economy are discussed. A third section of the unit explores the relationship between HRD and careers. The causes and consequences of changing career structures, the breakdown of internal labour markets and the development of new forms of organisation are examined. Particular attention is given to the issues of executive development and succession planning.

WORK6108
International Dimensions of HRM
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week **Assessment:** Continuous: Essays, case studies and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Ec (Soc Sc), M Int Bus, M Int Bus, M Log Man, M Int Bus, M T M, M L L R, PG Coursework Exchange.

This unit considers the opportunities and challenges associated with managing people in international and cross-cultural contexts, with specific emphasis on international recruitment, selection, preparation, placement, management development, performance management, reward and remuneration. The unit considers the implications of internationalisation and globalisation for human resource management (HRM), the different levels of international business activity, the difference between domestic and international HRM, the challenges of cross-cultural management, models of cross-cultural management, and specific international HR processes, including selection, development, performance management, remuneration and repatriation. The unit provides students with a practical understanding of the issues and challenges associated with managing employees in international, global and cross-cultural contexts.

WORK6111
Management Consulting
Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week **Assessment:** Continuous: Essay, group presentation, group project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M L L R, PG Coursework Exchange.

This unit explores the role, influence and activities of management consultants in Australia and overseas. It examines management consultants as developers and disseminators of management knowledge and practice and their role as change agents. The main themes covered in the subject include: the consulting industry in Australia and overseas; consultant roles and the consultant-client relationship; consultants and organisational change; knowledge intensive firms and the management of expertise; the diffusion of management knowledge and fashion in a global economy; consulting as an occupation and career; managing a consultancy.

WORK6118
Managing Communication in Organisations
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week **Prohibitions:** ECOF6030, ECOF6040 **Assessment:** Continuous: Essays, case studies and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Associated degrees: Grad Cert H R M& I R, Grad Cert H R M Coaching, Grad Cert I R & H R M, Grad Cert P A, Grad Dip Com, Grad Dip H R M Coaching, Grad Dip Org Coaching, M Com, M Log Man, M Ec (Soc Sc), M H R M Coaching, M Int Bus, M Com, M L L R, M T M, M Com, PG Coursework Exch.

This unit of study is designed to introduce students to the theory and practical application of the management of communication in organisations. Advances in technology have had a dramatic impact on communication in recent years and this course will pay particular attention to the impact of these technologies and the implications for management. By the end of this course students will have a good understanding of organisational communications theory including a comprehensive knowledge of the differing styles, channels and content of communication. . In addition, they will have a sound understanding of the technological channels available to manage communication and the associated benefits and challenges that this brings to contemporary organisations. A significant amount of the course will be devoted to practical applications of communication strategies including case study analysis and experiential learning using virtual discussion boards.

WORK6119
The Innovative Firm
Economics and Business

Credit points: 6 **Session:** Semester 1b **Classes:** 39 hours in intensive mode **Assessment:** Essay; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert H R M& I R, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M Com (Hons), M Int Bus, M Int Bus & Law, M L L R.

The aim of this course is to examine long run changes in the organisation and management of business enterprises. Against a background of an introduction of business history, the major themes to be covered include business strategy, marketing, employment relations, financing, governance and technology. While there is no precise chronological period, the main concentration will be on the growth of large-scale corporations from the nineteenth century to the present day. A major preoccupation of the course is to explore the factors that make an innovative firm. Some of these factors include the nature of the market, the regulatory environment, new technology and business leadership. The course will employ historical case studies and a comparative methodology and will also evaluate the way in which firms are classified as innovative by business and corporate historians.

WORK6120
Research Essay
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** WORK6008 **Assessment:** Research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Available only to students who have achieved 75% or better in at least four WORK (or equivalent) units studied; and have the Discipline's permission to take the unit.

Associated degrees: Grad Cert H R M& I R, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M L L R.

This unit provides high-performing with the opportunity to undertake supervised reading and research for a major essay of 5,000 words on an approved topic of special interest in work and organisational studies. The unit centres on supervised individual reading and research rather than on class-based teaching and learning. Enrolment is limited to students who (a) have achieved 75% or better in at least four WORK (or equivalent) units studied; and (b) have the Discipline's permission to do so. Approval is subject to supervisor availability. Students contemplating enrolment in this unit must first seek approval from the Work and Organisational Studies Postgraduate Coursework Coordinator. Approval will depend on the nature of the proposed essay topic and the availability of appropriate supervisory expertise.

WORK6130
Leadership in Organisations
Economics and Business

Credit points: 6 **Session:** Semester 1 **Classes:** 39 hours in intensive mode **Prohibitions:** ECOF5807, ECOF6090 **Assessment:** Continuous: Essays, case studies, and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Associated degrees: Grad Cert H R M& I R, Grad Cert I R & H R M, Grad Dip Com, Grad Dip Org Coaching, M Bus, M I R & H R M, M L L R.

This unit of study is designed to encourage you to consider the role and significance of leadership in various organisational contexts. The unit introduces you to the major streams of leadership theory and traces the development of our understanding about leadership from the pre-modern through the post-modern or 'late modern' era. We will

explore how these theories allow us to understand leadership in practice and in what ways leadership is linked to different aspects of organisational effectiveness. We will examine the 'good, the bad, and the ugly' sides of leadership, e.g. positive forms (transformational, 'socialised' charismatic) and negative forms (pseudo-transformational, 'personalised' charismatic, unproductive narcissistic and Machiavellian). We will explore leading for diversity and diversity in leadership (e.g. based on gender, culture and ethnicity) and relate these to ideas about leadership 'identity'. We will examine leadership at different levels, from team leadership through executive leadership, and leadership succession. We will also examine leadership development and instruments and you will have an opportunity to reflect on factors that might influence your own leadership style.

WORK7001
Employment Relations & HRM Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

WORK7002
Employment Relations & HRM Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

WORK7011
Organisational Analysis & Strategy Hon A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

WORK7012
Organisational Analysis & Strategy Hon B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the second of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

WORK7021
Strategic Management Honours A
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

WORK7022
Strategic Management Honours B
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Average of 75% required in 4 units in the major **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Associated degrees: M Com (Hons).

This unit of study is the first of a two-part, supervised writing of a dissertation of 12 - 15,000 words to be submitted in partial fulfillment of the requirements for the degree of Master of Commerce with Honours.

WORK7121
Honours Dissertation Part 1
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** WORK6008 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework.

Associated degrees: M H R M& I R (Hons), M I R & H R M.

This unit is available only to students who have been admitted to the Master of Human Resource Management and Industrial Relations (Honours) program. As part of the Honours course, students are required to undertake a supervised research project leading to the production of a 20,000 word dissertation on a topic approved by the Discipline. The Dissertation component comprises 4 units of 6 credit points each, of which this is the first. Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework. Approval will depend on the nature of the proposed essay topic and the availability of appropriate supervisory expertise.

WORK7122
Honours Dissertation Part 2
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** WORK6008 **Corequisites:** WORK7121 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework.

Associated degrees: M H R M& I R (Hons), M I R & H R M.

This unit is available only to students who have been admitted to the Master of Human Resource Management and Industrial Relations (Honours) program. As part of the Honours course, students are

required to undertake a supervised research project leading to the production of a 20,000 word dissertation on a topic approved by the Discipline. The Dissertation component comprises 4 units of 6 credit points each, of which this is the first. Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework. Approval will depend on the nature of the proposed essay topic and the availability of appropriate supervisory expertise.

WORK7123
Honours Dissertation Part 3
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** WORK6008 **Corequisites:** WORK7122 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework.

Associated degrees: M H R M& I R (Hons), M I R & H R M.

This unit is available only to students who have been admitted to the Master of Human Resource Management and Industrial Relations (Honours) program. As part of the Honours course, students are required to undertake a supervised research project leading to the production of a 20,000 word dissertation on a topic approved by the Discipline. The Dissertation component comprises 4 units of 6 credit points each, of which this is the first. Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework. Approval will depend on the nature of the proposed essay topic and the availability of appropriate supervisory expertise.

WORK7124
Honours Dissertation Part 4
Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** WORK6008 **Corequisites:** WORK7123 **Assessment:** Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework.

Associated degrees: M H R M& I R (Hons), M I R & H R M.

This unit is available only to students who have been admitted to the Master of Human Resource Management and Industrial Relations (Honours) program. As part of the Honours course, students are required to undertake a supervised research project leading to the production of a 20,000 word dissertation on a topic approved by the Discipline. The Dissertation component comprises 4 units of 6 credit points each, of which this is the first. Enrolment in the 4 Honours Dissertation units is limited to students who have achieved 75% or better in eight coursework units in the Master of Human Resource Management and Industrial Relations, including the two core units, the unit WORK6008 Research Tools at Work, and a minimum of three Table A electives. Enrolment in the Honours Dissertation component is also subject to prior approval by the Discipline's Coordinator of Postgraduate Coursework. Approval will depend on the nature of the proposed essay topic and the availability of appropriate supervisory expertise.

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