

2007
handbook

Education and Social Work Undergraduate



The University of Sydney

Acknowledgments



The Arms of the University

Sidere mens eadem mutato

*Though the constellation may change
the spirit remains the same.*

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All updates to the information in this handbook can be found at www.usyd.edu.au/handbooks/handbooks_admin/updates.shtml

Disability

Accessible versions of this document in Microsoft Word are available at www.usyd.edu.au/handbooks/handbooks_disability/index.shtml

Resolutions

Numbering of Faculty Resolutions is for convenience only and does not affect the interpretation of the Faculty Resolutions, unless the context otherwise requires.

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Important dates – How to use a handbook

University semester and vacation dates for 2007

Summer School lectures	Dates
December program	Monday 11 December to Friday 28 February
Main program	Thursday 4 January to Friday 28 February
Late January program	Friday 12 January to Friday 28 February
Winter School lectures	Dates
For the latest dates please refer to http://www.summer.usyd.edu.au/winter/	
Semester One	Dates
International student orientation (Semester One)	Monday 12 February to Thursday 15 February
Lectures begin	Monday 5 March
AVCC Common Week/non-teaching Easter period	Friday 6 April to Friday 13 April
International Application Deadline (Semester Two) *	Monday 30 April
Last day of lectures	Friday 8 June
Study vacation	Monday 11 June to Friday 15 June
Examination period	Monday 18 June to Saturday 30 June
Semester ends	Saturday 30 June
AVCC Common Week/non-teaching period	Monday 2 July to Friday 6 July
Semester Two	Dates
International student orientation (Semester Two)	Monday 16 July to Thursday 19 July
Lectures begin	Monday 23 July
AVCC Common Week/non-teaching period	Monday 24 September to Friday 28 September
International application deadline (Semester One 2008)*	Wednesday 31 October*
Last day of lectures	Friday 26 October
Study vacation	Monday 29 October to Friday 2 November
Examination period	Monday 5 November to Saturday 17 November
Semester ends	Saturday 17 November

*Deadlines for application to the USydMP and BDent are different. Please see: www.acer.edu.au/tests/universit/gamsat

Last dates for withdrawal or discontinuation for 2007

Semester One units of study	Dates
Last day to add a unit	Friday 16 March
Last day for withdrawal	Saturday 31 March
Last day to discontinue without failure (DNF)	Friday 27 April
Last to discontinue (Discontinued – Fail)	Friday 8 June
Semester Two units of study	Dates
Last day to add a unit	Friday 3 August
Last day for withdrawal	Friday 31 August
Last day to discontinue without a failure (DNF)	Friday 7 September
Last day to discontinue (Discontinued – Fail)	Friday 26 October
Last day to withdraw from a non-standard unit of study	Census date of the unit, which must not be earlier than 20 per cent of the way through the period of time during which the unit is undertaken
Public holidays	Dates
Australia Day	Friday 26 January
Good Friday	Friday 6 April
Easter Monday	Monday 9 April
Anzac Day	Wednesday 25 April
Queen's Birthday	Monday 11 June
Labour Day	Monday 1 October

What is a handbook?

The handbook is an official publication and an essential guide for every student who studies at the University of Sydney. It is an important source of enrolment information. It can also help you with more than just planning your course of study.

As a student at the University of Sydney you need to be aware of course structures and content, who your lecturers are, as well as examination procedures. You should also become familiar with University policies and faculty rules and regulations. The handbook will supply a lot of this information.

It will also point you to places and people around the University who can help you with enquiries about library loans, childcare, fees, casual employment, places to eat and stay, support groups and much, much more.

What new students need to know

- terminology used for courses and programs of study
- semester dates and examination periods
- important contact details
- how to plan your study program
- rules and policies on assessment, satisfactory progression, honours etc.
- what University services are available and where to find them
- how to get around your campus

At the beginning of many of these chapters there will be explanations to help you proceed further.

Where to find what

Course terminology

University terminology – like 'credit point', 'unit of study', 'WAM' etc – can be found at the back of all handbooks.

Definitions of all terminology are located in the General University information section under **Abbreviations and Glossary**, at the back of this handbook.

Dates

The start and finish dates of semester can be found in the front section of the handbook. Summer School dates are in the General University section at the back of the handbook.

Contents and index

The comprehensive **contents** section at the front of the handbook explains the details you'll find within each chapter.

You'll find information like:

- how and where to contact Faculty staff
- how to select your units of study and programs
- a list of degrees
- detailed information on all units of study – classified by unit identifiers (a four-alpha, four-digit code and a title)
- electives and streams
- scholarships and prizes
- information specific to faculties

The **index** lists units of study only. It allows you to check every reference which refers to your unit of study within the handbook.

Colour-coded sections

- Ivory – for undergraduate courses
- Blue – for postgraduate courses

Faculty rules and regulations

Faculty resolutions are the rules and regulations pertaining to a specific faculty. They can generally be found in their own chapter, or next to the relevant units of study.

These should be read along with the University's own *Coursework Rule 2000 (as amended)* which can be found in the general University information towards the back of the book. Together they outline the agreement between student and faculty, and student and University. Senate resolutions are located in the University Calendar.

General University information

This is information about the University in general, rather than information specific to the faculty. This information is at the back of the book and includes, among other things:

- the University Coursework Rule
- the PhD Rule
- University terminology and abbreviations
- campus maps to help you find your way around
- Summer School information
- international student information
- student services

Course planner

You might like to plot the course of your degree as you read about your units of study. This planner can be found at the back of the handbook.

Timetables

For information about personal timetables, centrally timetabled units of study, and venue bookings, see <http://www.usyd.edu.au/studentcentre/timetabling.shtml>.

For the session calendar, see <http://web.timetable.usyd.edu.au/calendar.jsp>

Students with a disability

Accessible versions of this document, including word, pdf and html versions are available at http://www.usyd.edu.au/handbooks/handbooks_disability/.

You can find information on Disability Services in the General University information section of the handbook. The Service can provide information regarding assistance with enrolment and course requirement modifications where appropriate.

For details on registering with the Service and online resources see the Disability Services website <http://www.usyd.edu.au/disability>.

Handbook updates

The information in the handbook is current at the time of publication. Updated information to handbooks and references to University policies such as plagiarism and special consideration, among others can be found in the University's website.

Feedback regarding the Handbook is welcome.
Visit <http://www.usyd.edu.au/handbooks/>

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Faculty of Education and Social Work Handbook

Message from the Dean

On behalf of the teaching and administrative staff I welcome you to the Faculty of Education and Social Work. Formerly a department in the Faculty of Arts, the Faculty of Education was established in 1986. In 2003, it welcomed colleagues from the Department of Social Work, Social Policy and Sociology to create the Faculty of Education and Social Work. The occupations associated with Education and Social Work share much in common, and we are in the process of developing joint programs that involve aspects of both professions and which allow our graduates to be particularly effective in working with young people. The amalgamation has been very important in developing concepts of professional education and ways of supporting students as learners and practitioners.

As might be expected, the Faculty is blessed with many excellent teachers who model best practice to their students. It also has a research-intensive culture, the output of which is important in policy development and practice in a range of professions, as well as in providing opportunities for students to learn about new issues and developments in their chosen professions.

The Faculty is one of the largest in the country and at the undergraduate level, offers courses to students wishing to become teachers at the primary or secondary school levels, or who will specialise in the PDHPE (Personal development, health and physical education), school counselling or D&T (Design and Technology) areas, and, of course, Social Work. In addition to dedicated, single degrees, the Faculty also offers a number of double degree courses with other faculties in the University. A feature of both types of courses is a strong partnership with other faculties in the University. In all degree courses, students have the opportunity to study in areas of their interest in the Faculty of Arts, Science or Economics and Business. Professional experience in schools or human services agencies are important components of all degrees.

Among the features of Education courses is inclusion of units of study which help students learn how to integrate IT into their teaching practices and cater for students with special needs, as well as those who are of indigenous heritage or who are speakers of languages other than English. In addition to specialist study in teaching subjects, students learn the latest developments in pedagogy and curriculum studies, as well as relevant aspects of the foundation disciplines of history, philosophy, psychology and sociology. Social Work at the University of Sydney is similarly regarded with the highest esteem because of the quality of education provided and the calibre of the

graduates within the profession. The degrees are notable for the integration of studies of social policy with social work. Students are encouraged to take advantage of opportunities to study abroad for a semester during their course and to learn about the professional issues in a variety of cultural contexts.

At the postgraduate level, the Faculty offers an innovative Master of Teaching degree to students seeking a professional teaching credential, and has a range of specialist Master of Education and Master of Social Work courses. In addition, the Faculty has a large and vibrant group of postgraduate research students undertaking degrees at the master and doctoral levels.

The Faculty is pleased to have some of the best facilities in the country and boasts good IT labs, a dance studio, art workshops, music rooms, an exercise physiology lab, and the Early Intervention Centre, which includes demonstration classrooms that are attended by school children in the area. The Faculty maintains excellent relations with the professions, and professional experience is an important part of students' experience in the Faculty. Best of all are the Faculty's staff and students, who together create an exciting intellectual environment, in which it is very rewarding to participate. We are pleased that you are considering joining the Faculty of Education and Social Work at the University of Sydney and hope that we will be able to welcome you in coming months.



Professor Derrick Armstrong
Dean

1. Faculty of Education and Social Work

The Faculty of Education and Social Work – a brief history

The Faculty of Education was established in 1986, having been until then, a department in the Faculty of Arts. In 1992, the Faculty amalgamated with the then Institute of Education, itself part of the Sydney College of Advanced Education. This resulted in a large increase in the number of staff and programs which were offered by the Faculty. As part of the amalgamation, purpose built accommodation for the Faculty was completed in 1993. This provides state of the art facilities for the training of educators, including a bio-mechanics laboratory, sophisticated computer laboratories, a dance studio, visual arts facilities, a television studio and, of course, well equipped lecture and tutorial rooms. In 2003, Social Work, originally located within the Faculty of Arts, merged with the Faculty of Education to form the Faculty of Education and Social Work. The merger reflects the close association that the two disciplines share in areas of research and professional practice.

List of staff

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Nigel Goodwin, BSc(IndArts) DipEd MSc(Architecture) MEd
Marianne Hulsbosch, PhD *W'ong*
Stephen Juan, BA MA PhD *CalBerk*
Margot Rawsthorne BA *Macq* PhD
Tracy Rockwell, DipTeach KCAE BSc *Oregon* MSc *Oregon* PhD
David J Reid, GDipEdSt SCAE GDipCommMgt *Kuring-gai* CAE MA
DipEd MACE MASE
Alyson Simpson, BA GradDipEd MEd PhD *UWS*
Ilektra Spandagou, BEd *Athens* *Greece* MEd *Sheffield* PhD *Sheffield*
Louise Sutherland, BSc MEd PhD
Angela Thomas, BEd MEd *Tas* PhD *CDU*
Jenni Way, BEd *Nepean* CAE MEd *UWSN* PhD *UWS*
Lindy Woodrow, Dip(Teaching) *UK* Cert(Applied Linguistics & Teaching
of English) *UK* MA(Applied Linguistics) *UK* PhD

Emeritus Professor

Donald Spearritt

Honorary Professors

Tony Vinson BA DipSocStud MA Hons
Susan Groundwater-Smith

Honorary Associate Professors

Raymond L Debus, PhD III BA DipEd
Janet George, BA *NE* MPhil *HK* PhD
Michael Horsburgh, MSW *UNSWBA* DipSocWk
Michael M King, CertEd BEd (Hons) *Lond* PhD Sus MIBiol
Kenneth E Sinclair, EdM PhD III BA

Honorary Senior Lecturers

John Hart, PhD MA *Bradford* *UK*
Karen Healy, BSocWk PhD *Qld*
Jan Larbalestier, BA PhD *Macq*
Mary Lane, BA MSW DipSocStud
UNSW PhD *UNSW*
Trevor R Parmenter, PhD FACE FAAMR FIASSID

Adjunct Professor

Frances H Christie, BA DipEd MEd (Hons) MA PhD
Kerry Kennedy, MA PhD *Stanford* MEd BA DipEd *NSW* MLitt *UNE*
FACE
Gordon Stanley, PhD *UWS*

Adjunct Associate Professor

Lyndsay Connors, BA DipEd *Canberra* CAE Hon Doctorate *Uni of*
Canberra HonDoctorate *UniSAust*

Postdoctoral Research Fellow

Lina Markauskaite, BSc & MSc VU MCM *Strath* PhD IMI & VMU
Fiona Hilferty, BEd (Hons) PhD

International Senior Research Fellow

Andrew Martin, BA (Hons Psych) MEd (Hons Ed Psych) PhD (Ed
Psych)

Postgraduate Fellows (2003)

Harshi Gunawardena, BSc(Hons) *UNSW*
 Jacqueline Mikulsky, MEd MA *Columbia Uni BSci NY Uni*
 Margarita Smit, MEd(Hons) Grad DipEd BA

Honorary Associate

Christine Asmar, BA(Hons) PhD *Macq*
 Angela Brew, BA(Hons) *UNSW MA UniEssex PhD Uni Bath*
 Kim McShane, BA *UniTas* BED(TESOL) MA(AppliedLinguistics) *LaTrobe*
 Christabel Wescombe

Senior Research Associate

Kathy Edwards, BA(Hons) Adel PhD *UNSW*
 Gina Anderson
 Helen Proctor
 Julian Wood, BED (Hons)

Divisions**Division of Graduate Studies**

Phone: +61 2 9351 4536
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 Head of Division: Dr Janette Bobis

Division of Undergraduate & Pre-Service Programs

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 Head of Division: Dr Robyn Gibson

Division of Professional Learning

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 Head of Division: Dr Cheryl Armstrong
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Division of International Relations

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 Fax: +61 2 9351 5662
 Email: k.laws@edfac.usyd.edu.au
 Head of Division: Dr Kevin Laws

Centres of the Faculty**CoCo Research Centre***Centre for Computer Supported Learning and Cognition*

CoCo Co-Director
 Professor Peter Goodyear

CoCo Co-Director
 Professor Peter Reimann

Administrative Assistant
 Mandy Newton, BA *Canb*

Senior Lecturer
 Dr Chun (Tren) HU

Educational Multimedia Developer
 Dorian Peters, BA *Carnegie Mellon University MMDes*

Educational Multimedia Developer (temporary)
 Fei (Nick) Li

Web Application Developer

Mr Adam Ullman, BE

Postdoctoral Fellow

Dr Lina Markauskaite, MSc *University of Vilnius MComm Management*
University of Strathclyde PhD CSci University of Vytautas Magnus

PhD Student Postgraduate Fellow

Kate Davison, BSc (Hons) *UNSW* Grad Cert *Enviro Management*
UNSW

PhD Student Postgraduate Fellow

Miriam Weinell, MPsych *University of Heidelberg*

Postgraduate Fellow

Michael Lawrence-Slater, MICT

Research Assistant

Wei Fang

The aim of the centre is to act as a focus for research and postgraduate study in the field of ICT and Education (broadly defined to include any kinds of research investigating the use of ICT to support learning and/or teaching). The Centre's objectives include:

- the provision of a convivial, innovative, productive and well-resourced environment for leading-edge research;
- to support innovative programs of postgraduate study;
- to assist colleagues in the Faculty, and in the rest of the University of Sydney, develop new lines of research in the field of ICT and Education;
- to foster networks of researchers and practitioners involved in the field, and encourage collaboration with colleagues in other research centres;
- to attract researchers to the University, including PhD students and distinguished visitors from academia and industry.

Centre for Early Intervention Research

(including the Evelyn McCloughan Children's Centre)

Director

Associate Professor David Evans

The Children's Centre is a research centre and educational resource within the Faculty of Education and Social Work. It was established in 1977 and for 25 years was known as the Evelyn McCloughan Children's Centre. The Centre was nationally recognised for assisting pre-service teachers become more aware of the needs of children with learning difficulties, and to provide them with the knowledge and skills to meet their educational needs.

In 2005 the Centre underwent a review, and new directions were established. While the Centre continues to support the teaching programs within the Faculty, a new focus has been the concentration of research within a contemporary view of early intervention. Current research projects include an ARC Linkage project investigating early intervention for young children with autism (with research partners ASPECT), education outcomes for students with chronic illnesses, and brain injuries, and numeracy interventions for students with additional learning needs. In addition, a significant group of postgraduate research students undertake research across of range of areas (e.g. peer tutoring, autism, numeracy, positive behaviour interventions). Ongoing strategic directions will continue to promote research, teaching, community service and interaction.

China Education Centre*Director*

Dr Hui Shen

The China Education Centre facilitates the development of educational, cultural and professional links between Australia and China. It was established following the visit to China of a group of comparative educators from the University of Sydney in 1972. The Centre

encourages the interchange of scientific materials, publications and information which promotes better understanding of Australia-China relations. Activities are based in research, teaching, community service, scientific materials, publications and information.

Centre for Research and Teaching in Civics

Director

Associate Professor Murray Print

Key Researchers

Professor Wing On Lee

Dr Larry Saha

Senior Research Associate

Dr Kathy Edwards

Administration Assistant

Ms Kate O'Malley

The Centre was established in 1997 to meet the rapidly growing demand for research and teaching in this area. It addresses both national and international issues in civics and citizenship education by undertaking major research projects. Since its inception, staff at the CRTC have participated in many national and international projects in civics and citizenship education valued at \$3.25 million.

Currently, staff at the CRTC are engaged in an exciting four-year project we have called the 'Youth Electoral Study' (YES). YES is being conducted in conjunction with the Australian National University (ANU) and the Australian Electoral Commission (AEC) and it is funded by an Australian Research Council (ARC) grant with a total value of \$AUS1.25 million. The aims of YES are to investigate the attitudes of young Australians towards enrolling to vote, and to determine why so many do not enrol. Furthermore, we are examining the attitudes of young Australians toward democratic, political and community participation more generally and are interested to know what young people think about politics, in what ways they participate, and what may encourage their participation in all ways and aspects. In doing so, we hope to better our collective understanding of the process through which young adults become politically informed and engaged citizens in our democracy, while also developing curricular materials that better prepare youth to become enlightened and active citizens as adults. For more information about this project, or about the CRTC in general, please visit our website at:

<http://civics.edfac.usyd.edu.au/index.shtml>

Shakespeare Globe Centre

National Education Director

Mr Mathew Howard

Founder and Artistic Director

Ms Diana Denley

The Shakespeare Globe Centre Australia is a charitable organization dedicated to the support, promotion and development of Shakespearean arts and education in Australia and around the world, through a unique affiliation of national Globe Centres, including Shakespeare's Globe in London. The Centre believes in Shakespeare as a means to a greater end. Through exploration of the themes and ideas inherent in his works, understanding is gained that is applicable across the spectrum of performance, art, and life itself.

Course coordinators – Bachelor of Education

BEd(Primary)

Course Coordinator

Dr Alyson Simpson

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BEd(Sec: Humanities)/BA, BEd(Sec: Science)/BSc, BEd(Sec: Mathematics)/BSc

Course Coordinator

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BEd(Sec)/BA(Psychology), BEd(Sec)/BSc(Psychology)

Course Coordinator

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BEd(Sec: Human Movement & Health Education)

Course Coordinator

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BEd(Sec: Design and Technology)

Course Coordinator

Dr Lesley Scanlon

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Course coordinators – Bachelor of Social Work

Bachelor of Social Work

Course Coordinator

Dr Zita Weber

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Prizes and scholarships

This handbook contains simplified details of some of the prizes and scholarships offered by the University. The scholarships and prizes may be scheduled as follows:

1. *Prizes awarded automatically on results:* Successful students are notified of these by the Student Centre.
2. *Prizes awarded on application:* Closing dates for these may be obtained from the Scholarships Office.
3. *Prize compositions:* Details of these may be obtained from the Scholarships Office with whom applications generally close in the first week of second semester.
4. *Bursaries:* Bursaries are awarded on the combined grounds of financial need and academic merit and application may be made at any time to the Financial Assistance Office (open Monday to Thursday from 9.30 am to 2.30 pm).
5. *Grants-in-aid:* These are offered by application (closing date: 31 May each year) to postgraduate students seeking assistance with travel or maintenance.
6. *Postgraduate scholarships tenable at the University of Sydney:* Prospective postgraduate students should consult the Scholarships Office in August/September each year about Australian Postgraduate Research Awards and Course Awards (closing date: 31 October).
7. *Postgraduate travelling scholarships:* Each year the University offers five or six travelling scholarships with a closing date in November. Generally, applicants need to have a first-class honours degree approaching medal standard to be successful.

Applications for the major travelling scholarships offered by external bodies generally close in August or September.

All postgraduate scholarships are advertised in the Bulletin Board which is available in departments or from the Scholarships Office in the Mackie Building.

Scholarships and prizes in Education

Title	Value	Qualification
<i>Undergraduate</i>		
GS Caird Scholarships	\$1,000	Proficiency in the second year Bachelor of Education course
	\$1,000	Proficiency in the third year Bachelor of Education course
Headfordt School Prize	\$110 or such sum as determined by Faculty	Proficiency in the course Education III
Colin Gladstone Harrison Family Scholarship	\$1000	The award is to support an Honours student in their final year of either the Bachelor of Education (Primary) or the Master of Teaching (Primary stream) programs whose research is in the area of Primary Curriculum Development
Newcomb Hodge Essay Prize (not restricted to students enrolled in courses administered by the Faculty of Education)	\$150	Outstanding essay in courses Education II or Education III.
The Social Work Pioneers Prize	\$1,000	For the student with the highest aggregate marks in the third year of the Bachelor of Social Work degree
John Cassim Creative Arts Award: Music	\$650	Awarded to an Education student who excels in music pedagogy
Helen Sham-Ho Prize	\$600	Awarded to a final year student enrolled in the Bachelor of Social Work or the BA/BSW with the highest aggregate mark for classroom performance together with an excellent performance in field education.
Tuh Fuh and Ruby Lee Prize	\$300	Awarded to the student who attains the highest grade for an undergraduate/pre-service final year unit of study related to research.
Marie Wilkinson Prize	\$250	Awarded to a student enrolled in the final two years of the Bachelor of Social Work course who has produced an excellent essay about children's welfare or children's rights.
Marion Macaulay Bequest Scholarships (open to Arts, and Education and Social Work students)	Up to \$15,000 (subject to application)	A number of awards will be made each year. The award is to support an Arts or Education student whose studies in the area of humanities, and their later application to school teaching, would be enhanced by overseas experience. Preference given to students in third, fourth or fifth year of the BA or BED programs (including combined programs), or to either year of the BTeach/MTeach degree.

Student facilities and societies

Libraries

The University of Sydney Library, consisting of Fisher Library and over 20 branch and department libraries, offers a wide range of services and collections to support teaching and research programs at undergraduate and postgraduate levels in the University. Resources supporting courses offered by the Faculty of Education and Social Work are located principally in Fisher Library and the specialist collection of the Curriculum Resources Collection (located in the Fisher Library).

All students with a current borrower's card are eligible to borrow from Fisher Library (both Undergraduate and Research libraries) as well as from any of the branch libraries.

Curriculum Resources Collection (Fisher Library)

The Curriculum Resources Collection is located in the Fisher Library. The collection contains curriculum resources to support the teacher education program of the Faculty of Education and Social Work.

The collection covers the years K-12 and includes: documents associated with the New South Wales school curriculum and examination process (e.g. publications of the New South Wales Board of Studies – syllabuses and related support documents, examination papers and related publications); policy documents; books; periodicals; audiovisual materials (e.g. teaching kits, videos, slides, posters, educational games); and other materials including teachers' guides, manuals and students' workbooks. The collection also includes children's literature and picture books.

Tutorials and classes can be arranged to assist in using the collection and the library's electronic resources.

Other branch libraries also include resources of relevance to teacher trainees and the New South Wales school curriculum, for example, Badham Library (food science), the Geography Library, and the Medical Library (sport physiology).

Contact Librarian: Ms Jacquei Hicks

Phone: +61 2 9351 6252

Fax: +61 2 9351 7766

Email: jhicks@library.usyd.edu.au.

Fisher Library

Fisher Library consists of two main collections, Research and Undergraduate.

The Undergraduate Collection includes multiple copies of titles for student course work at both undergraduate and postgraduate level. The Research Collection includes single copies of titles for research needs. The collection includes books and periodicals in the areas relating to research in Education, Social Work and Policy Studies. The Curriculum Resources Collection is also located within Fisher Library. The collection on Level 1 of the Library supports teaching within the professional area of classroom practice from Kindergarten to year 12.

Fisher Reserve located on Level 2 of the Undergraduate Library is a short-loan collection intended to ensure the availability of library items in high demand. Reserve includes the following material:

- books – shelved in call number order
 - electronic articles – available via the online catalogue
 - private copies – kept behind the Special Reserve enquiries desk. You must ask for access to private copies.
 - reading packs – Special Reserve only holds those reading packs provided to us by academic staff
 - The Library also provides access to many electronic resources including periodicals, books and databases. Most electronic resources can be accessed from within the Library and from off-campus locations.
- The Library website provides access to all Library services and information resources.
<http://www.library.usyd.edu.au>
 Subject specific Library Guides are available for Education, Curriculum Studies and Social Work.
<http://www.library.usyd.edu.au/subjects/>

1. Faculty of Education and Social Work

- The Library catalogues MyLibrary option allows students to manage loans online. Options are available to place holds, check current loans, check for overdue item or fines, renew loans and pay fines online.
<http://opac.library.usyd.edu.au/>
- The Library Social Sciences Team provides support to students in the Faculty of Education and Social Work. Contact Librarians are:
 - Philippa Crosbie
University of Sydney Library
Phone: +61 2 9351 6940
Fax: +61 2 9351 7290
Email: p.crosbie@library.usyd.edu.au.
 - Christine Tennent
University of Sydney Library
Phone: +61 2 9351 3257
Fax: +61 2 9351 4328
Email: ctennent@library.usyd.edu.au
- Information on Library classes for students is available from the Library Information and Research Skills website:
<http://www.library.usyd.edu.au/skills/socsci.html>

University of Sydney Education and Social Work Society

The Society aims to represent the interests of all students enrolled in education and social work in a variety of ways, including participation in the various committees of Faculty, the Academic Board and the Students' Representative Council and the University of Sydney Union.

Many resources are also available through the Society, including cheap photocopying, access to many computers, laser printer, laminator, binder and fax. There is also a women's room with facilities for babies, a microwave oven and free tea and coffee services. The "Dungeon" located in the Old Teachers' College Building provides a recreation room with pool table, pinball and vending machines for student use.

All students are urged to participate in the Society. Elections are held in September each year for representatives from each course. Also there are various portfolios which have nominated support committees.

Social functions are organised by Activities Officers, including barbecues, harbour cruises, and trivia nights, and all students are encouraged to attend.

The University of Sydney Education and Social Work Society Constitution and Regulations include:

the promotion of a common meeting ground for teachers, graduates, and undergraduates in the Faculty of Education and Social Work.

the promotion of the study of education and social work theory, research and practice across all fields of education and social work.

furthering the interest of members and to represent their views, particularly in matters related to their education.

promoting and maintaining cooperation between education and Social Work students and their societies throughout Australia and internationally.

organising and promoting social, cultural and education activities amongst students.

liaison with the Students' Representative Committee and the University of Sydney Union.

Membership of the Society is open to all undergraduate students currently enrolled in any degree offered within the Faculty of Education and Social Work and is staffed five days per week (Monday to Friday) by Council representatives and student volunteers who carry out all necessary duties on behalf of the Society. The Dean recommends that students join the Society and support its activities. Enquiries may be directed to the President, in Room 406/A35 in the new Education building, or:

Phone: +61 2 9351 6350

Fax: +61 2 9660 2585

Email: usyd-education-society@hotmail.com.

2. Introduction to Education undergraduate study

Bachelor of Education (Primary Education)

Course Coordinator

Dr Alyson Simpson
Phone: +61 2 9351 6344
Fax: +61 2 9351 2606
Email: a.simpson@edfac.usyd.edu.au

The Bachelor of Education (Primary Education) is a four year, fulltime degree course preparing students to work in primary schools and other contexts with young children (aged 5–12 years) in Years K–6.

Units in the sciences, social sciences and humanities are selected from a wide range offered by the faculties of Arts, Science and Economics and Business. Alongside these, units in generalist education and professional studies in primary education are undertaken in the Faculty of Education and Social Work.

Generalist education studies explore education as a social science and examine issues of policy and social theory. Studies in these areas continue through the first three years of the course. In the first year, students are also required to take two Science Foundations units, which gives students a grounding in the four major science areas of Physics, Chemistry, Biology and Geology. Professional learning, that is studying methods of teaching and including practice teaching, begins in the first year.

Students will be introduced to teaching through small group teaching in schools and in out-of-school facilities that care for children. Students will also complete practical and theoretical studies relating to children with special needs and children from a wide variety of cultural and linguistic backgrounds.

In the final year, students take one of a range of Special units offered within the Faculty. These include Special Education, Teaching English to Speakers of Other Languages (TESOL), Creative Arts, Languages Other Than English, Gifted and Talented Education, Cultural Literacies and Aboriginal Studies. Completion of one of these Special Courses is equivalent to a major study (third year or 300-level) and equips students with an additional teaching specialisation.

The Primary Program prepares graduates who have:

- a broad general education with in-depth knowledge in at least one area;
- an evolving personal theory of education, based on an understanding of contemporary society, children's development, the variety of roles of teachers, and the purposes and functions of schooling;
- knowledge, attitudes and attributes required for the effective performance of the complex tasks and responsibilities of primary teachers;
- a capacity to construct, implement and evaluate appropriate programs of learning experiences for primary school children;
- the maturity and humanity necessary for professional teaching;
- an ability to maintain, enquire into, and evaluate their own professional development; and
- ability to analyse critically new professional and policy development.

Note

If you intend seeking employment with the New South Wales Department of Education and Training, you must have completed 2 units of Mathematics and 2 units of English at the HSC (or equivalent). Students who have not met such requirements should consult the Course Coordinator. Bridging courses in Mathematics may be available, the cost for which will be met by the student.

The schedule of studies for the four years of the degree follows:

Year 1

- Two 100-level one-semester units of study in Education;
- Science Foundations I and 2;
- Two Junior (level 100) units of study chosen from those offered by the Faculties of Arts, Science, or Economics and Business;
- Professional Studies in Creative Arts (Visual Arts, Music, Drama and Dance) and Introduction to Teaching and Learning Literacy (including 8 days practice teaching, and field experience with children in a non-school context).

Year 2

- Two 200-level one-semester units of study in Education;
- Two Senior (level 200) units of study offered by the Faculties of Arts, Science, or Economics and Business;
- Professional Studies, comprising separate semester units of study in Language, Mathematics, Indigenous Education, Personal Development and Health/Physical Education, and Teaching and Curriculum, including Professional Experience (15 days).

Year 3

- Two 300-level one-semester units of study in Education (The unit of study "Positive Approaches to Special Education" is compulsory if you are seeking employment with the Department of Education and Training);
- Professional Studies, comprising separate semester courses in Language, Mathematics, HSIE, Drama, Personal Development and Health/Physical Education, Science and Technology, Teaching English to Speakers of Other Languages (TESOL), and Teaching and Curriculum including Professional Experience (15 days)

Year 4

- Two units of study in Education: one compulsory, Reading and Designing Research and one elective;
- Professional Studies, comprising of separate semester units in Language, Mathematics, Teaching Children with Special Needs, Personal Development and Health/Physical Education, Science and Technology, Human Society and its Environment and a continuation of the Professional Experience (15 days + 30 days Internship placement);
- Two Special Units offered by the Faculty. Some of these currently being offered are: Teaching English to Speakers of Other Languages (TESOL), Creative Arts, IT in the primary Classroom, Special Education, Gifted and Talented Education, Cultural Literacies and Aboriginal Studies.

The degree is awarded at pass or honours level

Bachelor of Education (Secondary) (Human Movement and Health Education)

Course Coordinator

Dr Steve Georgakis

Phone: +61 2 9351 6337

Email: s.georgakis@edfac.usyd.edu.au

The Bachelor of Education (Secondary – Human Movement and Health Education) is a four year full-time teacher education degree that prepares students to teach physical and health education, primarily within secondary school contexts although some opportunity to teach at primary school level is also included. Whilst the focus is on teacher education, this degree also forms a basis for students who want to work in settings related to community health, recreation, sport, and community fitness.

In the first year of this degree students take two Education units which examine education, teachers and teaching, and human development and education; two science units: Human Bioscience and Sports Mechanics which give a grounding in biology and physics that will be built on in human movement and health education units in later years and any two other units selected from the faculties of Arts, Science, and Economics and Business. Students will also take two foundation units in human movement and health education.

In the second year, students will study four units of professional studies in human movement and health education. This includes 20 days of School Experience in a primary school at the end of Semester two. Two units of education, one on educational psychology and the other on social perspectives will also be studied. Two units are also selected from the Faculties of Arts, Science, and Economics and Business, usually a continuation of units selected in Year 1.

In the third year, students will study seven units of professional studies in human movement and health education. Students also study two units of compulsory Education. In the fourth year, students will study six units of professional studies in human movement and health education. Students also study two units of education: one compulsory Reading and Designing Research, and one elective. In both Year 3 and Year 4, there are 20 days of School Experience in secondary schools.

The Human Movement and Health Education degree prepares graduates who have:

- core knowledge essential to be educators in health education and physical education in school and community settings;
- technical background which includes ICT skills information relevant to the subject areas of health education, physical education, movement science, anatomy and physiology, and physical activity;
- knowledge of the historical/philosophical/socio-cultural impact on health status, behaviour, research, personal performance competencies, personal health, administration, role modelling, medical/safety/legal implications, marketing techniques, the selection of physical activities;
- interpersonal skills in the teaching of physical education drawing from the areas of games, dance, aquatics, gymnastics, track and field, outdoor and leisure pursuits;

- interpersonal skills in the teaching of health education drawing from the areas of growth and development, healthy lifestyles, drug education, sexuality education, nutrition, safe living;
- learned to utilise the applied science/social science theoretical background in the practice of health education and physical education;
- accepted their position as a role model of health-enhancing behaviour;
- the intention of pursuing professional liaison through colloquia, seminars, and professional associations.

The schedule of studies for the four years of the degree follows:

Year 1

- Two 100-level one-semester units of study in Education; and
- EDUH1016 Human Bioscience and EDUH 1017 Sports Mechanics; and
- Two Junior/First Year units of study chosen from those offered by the Faculty of Arts (e.g. History, English, Anthropology, Religious Studies, French, Arabic, Japanese, Philosophy), or the Faculty of Economics and Business, or the Faculty of Science; and
- Professional Studies in Human Movement and Health Education comprising:
- EDUH1001 Foundations of PDHPE,
- EDUH1004 Physical Education Pedagogy 1

Year 2

- Two 200-level one-semester units of study in Education; and
- Two Senior (200-level) units of study offered by the Faculty of Arts or the Faculty of Economics and Business, or the Faculty of Science; and
- Professional Studies in Human Movement and Health Education, comprising:
- EDUH2010 Professional Experiences in PDHPE 1
- EDUH2005 Determinants of Health
- EDUH2001 Applied Anatomy and Physiology
- EDUH2008 Outdoor Education
- EDUH2009 Physical Education Pedagogy 2

Year 3

- Two compulsory 300-level units of study in Education:
- EDUF3031 Positive Approaches to Special Education
- EDUF3023 Sports, Leisure and Youth Policy; and
- Professional Studies in Human Movement and Health Education, comprising:
- EDUH3008 Physical Education Pedagogy 3
- EDUH3007 Professional Experiences in PDHPE 2
- EDUH3004 Psychosocial Health Issues
- EDUH3014 Assessment and Evaluation in PDHPE
- EDUH3028 Adolescent Health Issues
- EDUH3009 Physical Education Pedagogy 4

Year 4

- EDUH4048 Professional Experience in PDHPE 3
- One Education 3 elective
- Two HMHE electives
- EDUH4002 Physical Education Pedagogy 5
- EDUH4050 Sports Medicine
- EDUH4051 Psychosocial Health Issues
- EDUF4044 Reading and Designing Research

The degree is awarded at pass or honours level.

Bachelor of Education (Secondary: Humanities and Social Sciences)/Bachelor of Arts

Course Coordinator

Ms Carmel Fahey
Phone +61 2 9351 4710
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Email: c.fahey@edfac.usyd.edu.au

This degree prepares students to teach in the following curriculum areas in secondary schools:

- English
- Drama
- History
- Languages (may be taken as a double method)
- Visual Arts
- Classical Hebrew and Judaism
- Teaching English to Speakers of Other Languages (TESOL)
- Geography*
- Economics*
- Mathematics*

In Years 1 and 2 students engage in a broad tertiary education, which includes subjects in the Faculties of Arts and Education and Social Work. In the third year of the degree students begin the full professional program in teaching and curriculum. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

The two degrees are completed in five years. However, it is possible to leave the course at year three with a BA only, or at year four with a BEd only. Students exiting with a BA only must provide notification in writing at the end of Year 2 of their intention to exit the course. Students must submit this notification in writing to the Faculty of Education and Social Work and provide a copy to the Faculty of Arts.

The schedule of studies for the five years of the degree is as follows:

Year 1

- Two 100-level one-semester units of study in Education (12 credit points); and
- Six Junior (100-level) units of study chosen from those offered by the Faculty of Arts (four units must be teaching subjects, two of these must be selected from Table A, Faculty of Arts units) (36 credit points).

Year 2

- Three senior level units of study in Education (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Four Senior (200-level) units of study chosen from those offered by the Faculty of Arts (continuation of teaching subjects) (24 credit points).

Year 3

- Teaching and Learning units of study (6 credit points); and
- Curriculum and Professional Studies units of study (30 credit points); and
- Two Senior one-semester units of study from those offered in Table A, Faculty of Arts in the major area of study (12 credit points).

Year 4

- One 300-level unit of study in Education (6 credit points); and
- Reading and Designing Research (6 credit points); and
- Curriculum and Professional Studies units of study (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two Senior one-semester units of study from those offered by Table A, Faculty of Arts to complete major area of study (12 credit points).

Year 5

- Curriculum and Professional Studies in Education (24 credit points); and
- Four Senior units of study from the Faculty of Arts to complete requirements for the Bachelor of Arts, (24 credit points).

* Students may major in these subjects but must have a Table A Arts major also in order to graduate with a BA.

The degree is awarded at pass or honours level.

Bachelor of Education (Secondary: Science)/Bachelor of Science

Course Coordinator

Ms Carmel Fahey
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Email: c.fahey@edfac.usyd.edu.au

Science Curriculum Coordinator

Mr Tony Sperring
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This degree prepares students to teach in the following areas in secondary school:

- Science
- Science/Mathematics
- Science/Computing Studies
- Science/Geography

Students must complete a major in one teaching science area – i.e. Biology, Chemistry, Geology or Physics (or a corresponding major such as Biochemistry, Geophysics, Marine Science, Microbiology, Pharmacology or Physiology) and at least one year of study in a second science (from the four broad science areas). At least 1 year (12 credit points) of either Chemistry or Physics must be included in the science studies.

Science can be taken as either a double or a single teaching method. As a single teaching method it can be coupled with Geography, Mathematics or Computing Studies. In Years 1 and 2 students engage in a broad tertiary education, which includes subjects in the Faculty of Science and the Faculty of Education and Social Work. In the third year of the degree students begin the full professional program in teaching and curriculum. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

The two degrees are completed in five years. However, it is possible to leave the course at year three with a BSc only, or at year four with a BEd only. Students exiting with a BSc only must provide notification in writing at the end of Year 2, and submit this notification to the Faculty of Science and a copy to the Faculty of Education and Social Work.

The program is strongly supported by laboratory work and school experiences, designed to produce highly qualified and sought after graduates.

The schedule of studies for the five years of the degree is as follows:

Year 1

- Two 100-level one-semester units of study in Education (12 credit points); and
- Junior science discipline areas of mathematics and statistics (12 credit points); and
- Junior units of study in science subject areas including at least 12 junior credit points from each of two science subject areas, other than mathematics or statistics (from the disciplines of biology, chemistry, geosciences and physics) (24 credit points).

Year 2

- Three Senior level units of study in Education (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Four 200-level one-semester units of study from science teaching subject areas (24 credit points) (Continuation of teaching subjects).

Year 3

- Teaching and learning units of study (6 credit points); and
- Curriculum and Professional Studies units of study (30 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science in the major teaching area of study (12 credit points).

Year 4

- One 300-level unit of study in Education (6 credit points) and
- Reading and Designing Research (6 credit points); and
- Curriculum and Professional Studies units of study (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science in the major area of study (12 credit points).

Year 5

- Curriculum and Professional Studies in Education (24 credit points); and
- 200-level or 300-level units of study to complete requirements for a Science major and for the Bachelor of Science (24 credit points).

The degree is awarded at pass or honours level.

Bachelor of Education (Secondary: Mathematics)/Bachelor of Science

Course Coordinator

Ms Carmel Fahey
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Mathematics Curriculum Coordinator

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This degree prepares students to teach in the following areas in secondary schools:

- Mathematics
- Mathematics/Computing Studies
- Mathematics/Science

Students must take mathematics as a major subject. However, students can choose to take mathematics as a double or single teaching subject. As a single teaching subject it can be coupled with Computing Studies or a wide range of Science subject areas (to include at least two full years in one teaching science and a full year in a second teaching science). In the first two years students take

Education as a compulsory subject, together with Mathematics. Students may choose to take Statistics with the Mathematics units. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

The two degrees are completed in five years. However, it is possible to leave the course at year three with a BSc only, or at year four with a BEd only. Students exiting with a BSc only must provide notification in writing at the end of Year 2 and submit this notification to the Faculty of Science and a copy to the Faculty of Education and Social Work.

The program is strongly supported by the use of technology specifically to support the teaching of mathematics (and any other method selected). Students will be fully equipped to use computer technology and graphics calculators in the classroom. Extensive use is made of the Internet and close collaboration with schools, both in Australia and overseas.

The schedule of studies for the five years of the degree is as follows:

Year 1

- Two 100-level one-semester units of study in Education (12 credit points);
Two 100-level one-semester units of mathematics (12 credit points); and
- Four 100-level units of study chosen from those offered by the Faculty of Science (24 credit points).

Year 2

- Three Senior-level units of study in Education (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two 200-level one-semester units of mathematics or statistics (12 credit points); and
- Two 200-level units of study chosen from those offered by the Faculty of Science (12 credit points) in the second teaching subject area.

Year 3

- Teaching and Learning units of study (6 credit points); and
- Curriculum and Professional Studies units of Study (30 credit points); and
- 300-level one-semester units of mathematics or statistics (12 credit points).

Year 4

- One 300-level unit of study in Education (6 credit points) and
- Reading and Designing Research (6 credit points); and
- Curriculum and Professional Studies units of study (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two 300-level one-semester units of mathematics or statistics (12 credit points).

Year 5

- Curriculum and Professional Studies in Education (24 credit points); and
- 200-level or 300-level units of study to complete requirements for a Mathematics major and for the Bachelor of Science (24 credit points).

The degree is awarded at pass or honours level.

Bachelor of Education (Secondary)/Bachelor of Science (Psychology)

Course Coordinator

Dr Susan Colmar
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There will be no student intake in this degree from 2006. Units of study in third, fourth and fifth year will continue to be offered to enable current students to complete the degree.

** Students must obtain a credit average across both Psychology II and Psychology III in order to undertake Psychology IV Honours and School Counselling specific units*

This program prepares graduates who will qualify as school counsellor (able to be conditionally registered as Psychologists) as well as teachers in secondary schools, in a specified Science discipline area (Physics, Chemistry or Mathematics).

Students study specified Science subjects, which they will be teaching in secondary schools, and at the same time complete a major in Psychology. Education and professional teaching practice are also studied, and there is professional experience in school counselling as well as an applied research component in Psychology. The fourth and fifth years of the degree enable students to complete honours studies in Psychology as well as specialist studies in Educational Psychology and School Counselling. The major in Science is also completed in the fifth year.

Year 3

- EDSP3002 Teaching and Learning (Psychology) (4 credit points)
- PSYC3015 Intelligence and Human Reasoning (6 credit points)
- PSYC3016 Development Psychology (6 credit points)
- Curriculum units 1 + 2 (12 credit points)
- EDSP3001 Teaching Practicum 1 (2 credit points)
- PSYC3010 Advanced Statistics for Psychology (6 credit points)
- PSYC3018 Abnormal Psychology (6 credit points)
- PSYC3019 Communication and Counselling (6 credit points)

Year 4

- Psychology 4 (24 credit points)
- Psychological and Educational Assessment (6 credit points)
- Behaviour Assessment and Interventions (6 credit points)
- Curriculum Unit 3 (6 credit points)
- Counselling Practicum 2 (20 days) (2 credit points)
- Teaching Practicum 2 (20 days) (4 credit points)

Year 5

- Psychology 4 (20 credit points)
- Counselling Children and Adolescents (6 credit points)
- Issues in School Counselling (4 credit points)
- Senior Science units (teaching subject) (12 credit points)
- Counselling Practicum 3 (20 days) (2 credit points)
- Counselling Practicum 4 (20 days) (4 credit points)

Bachelor of Education (Secondary)/Bachelor of Arts (Psychology)

Course Coordinator

Dr Susan Colmar
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Fax: +61 2 9351 2606
Email: s.colmar@edfac.usyd.edu.au

There will be no student intake in this degree from 2006. Units of study in third, fourth and fifth year will continue to be offered to enable current students to complete the degree.

** Students must obtain a credit average across both Psychology II and Psychology III in order to undertake Psychology IV Honours and School Counselling specific units.*

This program prepares graduates who will qualify as school counsellors (able to be conditionally registered as Psychologists) as well as teachers in secondary schools, in a specified Humanities area (such as English or History).

Students study Arts subjects, which they will be teaching in secondary schools, and at the same time complete a major in Psychology. Education and professional teaching practice are also studied, and there is provision for professional experience in school counselling as well as an applied research component in Psychology. The fourth and fifth years of the degree enable students to complete honours studies in Psychology as well as specialist studies in Educational Psychology and School Counselling. The major in Arts is also completed in the fifth year.

Year 3

- EDSP3002 Teaching and Learning (Psychology) (4 credit points)
- PSYC3015 Intelligence and Human Reasoning (6 credit points)
- PSYC3016 Development Psychology (6 credit points)
- Curriculum units 1 + 2 (12 credit points)
- EDSP3001 Teaching Practicum 1 (2 credit points)
- PSYC3010 Advanced Statistics for Psychology (6 credit points)
- PSYC3018 Abnormal Psychology (6 credit points)
- PSYC3019 Communication and Counselling (6 credit points)

Year 4

- Psychology 4 (24 credit points)
- Psychological Educational Assessment (6 credit points)
- Behaviour Assessment and Interventions (6 credit points)
- Curriculum Unit 3 (6 credit points)
- Counselling Practicum 2 (20 days) (2 credit points)
- Teaching Practicum 2 (20 days) (4 credit points)

Year 5

- Psychology 4 (20 credit points)
- Counselling Children and Adolescents (6 credit points)
- Issues in School Counselling (4 credit points)
- Senior Arts units (teaching subject) (12 credit points)
- Counselling Practicum 3 (20 days) (2 credit points)
- Counselling Practicum 4 (20 days) (4 credit points)

Bachelor of Education (Secondary: Aboriginal Studies)

For further information about this Block Mode program please contact:

Academic Coordinator

Dr Lyn Riley-Mundine
The Koori Centre
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The Faculty of Education and Social Work may admit an Aboriginal or Torres Strait Islander person to candidature for the Bachelor of Education (Secondary: Aboriginal Studies) degree who (a) is qualified for the award of the Diploma in Education (Aboriginal) of the University of Sydney; or (b) has completed other qualifications deemed by the Faculty to be equivalent.

The Bachelor of Education (Secondary: Aboriginal Studies) is a block-mode (away-from-base) program. This program is designed specifically for Indigenous Australian people. Units of study are delivered in one-week blocks on the Camperdown campus in Sydney six times a year.

Bachelor of Education (Secondary: Design and Technology)

Course Coordinator

Dr Lesley Scanlon
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There will be no student intake into this degree from 2006. Units of study in fourth year will continue to be offered to enable current students to complete the degree.

The schedule of studies for Year 4 of the degree is as follows:

Year 4

- Education III - EDUF3031 (Special Education) plus another unit of study at 300 level
- Teaching and Learning 2
- Teaching Technology (VET): Hospitality or Information Technology
- Food Science 3 and 4 OR Software Design and Development 1 and 2
- Teaching Technology IIIA/IIIB
- Professional Experience B (40 days)
- Graduating Design Project.

Program approved by the Faculty of Education and Social Work.

Bachelor of Education (Honours)

An Education Honours degree is available in the following programs:

- BEd(Primary)
- BEd(HMHE)
- BEd/BA
- BEd(Maths)/BSc
- BEd(Science)/BSc

Education Honours will be awarded on Weighted Average Marks (WAM) in Education units of study, years 2, 3 and 4:

- 80–100 Honours Class 1
- 75–79 Honours Class 1i
- 70–74 Honours Class 1ii

WAM will be calculated in the following manner: Year 1 units will not be counted; Year 2 Education units will be weighted 1; Years 3 and 4 Education units will be weighted 2 except for EDUF4044 Reading and Designing Research which will be weighted 3. Units awarded "R", e.g. Practicum, will not be counted.

Further details about honours are located in the Resolutions of the Faculty in the section "Degree Regulations and Policies" of this handbook.

Rationale for the inclusion of Education I, II, III and IV in the Bachelor of Education

The Bachelor of Education has as its organising principle the professional education of teachers. As part of that education Education I, II, III & IV contribute a range of studies which link professional practice to broader theoretical and contextual understandings of educational activity. These include studies of childhood and youth, learning and teaching, psychology and human development; as well as studies of the philosophy, history, politics and sociology of education in a rapidly changing world.

Consequently the Education stream has an important relationship to the social sciences and humanities. Units of study in Education I, II, III & IV are therefore organised around multi-disciplinary topics and problem-solving frameworks. The overall aim of these units is for students to engage with substantial bodies of thought in making sense of a broad range of teaching and learning experiences; developing skills and knowledge so that they may participate actively in the processes of education and educational reform.

To this end units of study in Education I, II, III & IV encourage depth of understanding, flexibility, and critical and constructive thinking on diverse approaches to educational issues. In addition, organised research training aims to develop skills in systematic enquiry and reflective practices. These skills and knowledge are essential for learning and teaching related professions.

Units of study across Education I, II, III & IV develop from general understandings in first year to more specialised understandings in second, third & fourth years. These units of study contribute to the general skills and knowledge expected of graduates of the University of Sydney who are preparing for active participation in society as informed citizens and life long learners. Not all students of Education I, II and III will become teachers. Education I, II, III & IV is designed for the students who intend to become teachers, as well as students who have a more general desire to understand education as a field of academic enquiry.

Education I, II, III & IV contribute to the attributes of University of Sydney graduates in these five areas:

Knowledge

Graduates who have passed through the Education I, II, III & IV should:

- have a body of knowledge in the field of education, drawn from disciplines and multi-disciplinary studies including: human development (child and adolescent in particular), educational psychology (with an emphasis on how young people learn), schooling as a social activity (which study will include philosophical, historical, sociological and multi-disciplinary perspectives), and curriculum, professional and teaching studies;
- be able to apply theory and research findings to practise in familiar and unfamiliar situations;
- have an appreciation of the importance and usefulness of scholarship and research as they organise their professional careers;
- have a working knowledge of the processes of policy development and implementation in education, with specific knowledge about certain mandated policies such as Child Protection.

Thinking skills

Graduates who have passed through the Education I, II, III & IV should be able to:

- interpret educational research and theory critically;
- exercise critical judgement;
- think rigorously and independently;
- account for their decisions;
- evaluate their own performance realistically;
- adopt a problem-solving approach;
- think creatively and imaginatively.

Personal skills

Graduates who have passed through the Education I, II, III & IV should have the:

- formal research skills to investigate their professional practice and its context;
- capacity and desire to continue to learn;
- ability to plan and achieve goals in both the personal and professional sphere;
- ability to work with others, including those from diverse backgrounds.

Personal attributes

Graduates who have passed through the Education I, II, III & IV should:

- strive for tolerance and integrity;
- acknowledge their personal responsibility for their own value judgements and ethical behaviour towards others.

Practical skills

Graduates who have passed through the Education I, II, III & IV should:

- collect, analyse and report observations;
- present reasoned argument based on research to peers in the field of education;
- analyse educational activity and phenomena from a theoretically informed knowledge-base;
- use computing and recent information technologies to assist in their learning, analysis, presentation and solving of educational issues and problems.

Units of study in Education I, II, III and IV link these attributes to their evaluative and assessment practices. Staff members will build into their assessments the following criteria for evaluating students' work:

1. Knowledge of concepts, theories, methods and content associated with a unit of study
2. Ability to apply these concepts, theories and methods within the unit of study
3. Ability to communicate ideas in written and oral form
4. Ability to use a range of resources to analyse and synthesise the key elements of an educational question
5. Ability to gather evidence to solve educational problems

3. Introduction to Social Work undergraduate study

Bachelor of Arts/Bachelor of Social Work degrees

Course Coordinator:

Dr Zita Weber

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The BA/BSW degrees initially require the completion of the requirements for the award of the BA course in accordance with the resolutions for that course. Within the BA program, studies in sociology, indigenous studies and psychology (outlined in detail below), are compulsory. On completion of the Bachelor of Arts, candidates proceed to the third and fourth years of the Bachelor of Social Work course. The Bachelor of Social Work course prepares students to practise as accredited professional social workers in a range of fields including health, corrections, public welfare, family and child welfare and community work.

In Years 3 and 4 of the Bachelor of Social Work, the program is conducted on a full-time basis on two sites – the university campus and an agency where students undertake field education. The campus program aims for students to learn knowledge and skills in theory analysis and development, in research and in debates about the interaction of personal and professional values and ethics as they relate to social policy and social work. The starting points for learning are typical issues and debates encountered in contexts of policy and practice or with particular citizen groups, brought together in a series of Issue Based Learning Units (IBLs). The IBLs provide the context for learning about theory, research, values and skills. A structured program of lectures, seminars and skills workshops is provided to resource learning. Students are expected to take progressively more responsibility for their own learning, equipping them for the demands of professional practice.

The Issue Based Learning units vary in different years, but all follow a structure which provides examples of social work and which is designed to ensure the development of broader knowledge and skills which are transferable to other contexts. Examples include: Families, children and young people; Caring and citizenship: the case of disability; Drugs and alcohol; the social work response. In 2006, the IBLs will be illness, inequality and intervention (IBL 1); Social justice, social citizenship and social work (IBL 2); Violence in Families (IBL 3); and Ageing (IBL 4).

The field education program provides a practice context for this learning. In the field education component of the program the starting point for learning is the daily routine. This routine requires social workers to use theory and research and to act consistently with regard to professional values and ethics. Field educators determine the scope and parameters of learning opportunities within the agency. In negotiation with their field educator, students are asked to produce a contract that will set out what they hope to learn, how that learning will happen and how with their field educator, they will monitor and evaluate this learning.

The Bachelor of Arts/Bachelor of Social Work prepares graduates who have pursued education in the humanities and social sciences for scholarly interest and as a broad preparation for:

- an understanding of social work and social policy theory and practice and their interdisciplinary nature in historical, cultural, socio-economic and political contexts;

- an understanding of the interdependence of theory, practice, policy and research;
- an understanding of an ability to articulate, the contribution of social work and social policy in working towards social justice;
- a capacity to locate, analyse, use and engage in research in practice;
- an ability to use knowledge effectively to solve problems at different levels of intervention and in a range of workplace contexts;
- an ability to act professionally, using ethical and strategic practices, using 'self' in a disciplined way in social work;
- an ability to reflect systematically on the theoretical and personal underpinnings of practices and to change and develop them where necessary in light of new knowledge, lived experience and different contexts;
- an ability to combine autonomy with a capacity for collaborative and versatile work;
- an appreciation of the limits of current knowledge and capabilities and a preparedness to undertake ongoing professional development.

A schedule of studies for the five years of the degree follows:

Year 1

48 credit points comprising:

- Introduction to Sociology 1 and Introduction to Sociology 2 (12 credit points);
- 36 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course. (Credit may be given for units of study taken at other institutions).

Year 2

48 credit points comprising:

- two senior level Sociology units of study (12 credit points) and
- intermediate level Psychology units of study (12 credit points); or Psychology for Social Work 201 and Psychology for Social Work 202 (12 credit points); and
- senior indigenous studies unit of study (6 credit points); and
- 18 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course.

Year 3

48 credit points comprising:

- 48 credit points prescribed for the Bachelor of Arts course and taken in accordance with the resolutions for that course.

Year 4

48 credit points comprising:

- Professional Practice (8 credit points); and
- IBL unit 1 (8 credit points); and
- IBL unit 2 (8 credit points); and
- Field Education 1 which includes field education of not fewer than 60 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).

Year 5

48 credit points comprising:

- IBL unit 3 (9 credit points); and
- Field Education 2A and 2B which includes field education of not fewer than 80 days and such attendance at classes as may be prescribed by the Faculty (24 credit points); and
- IBL unit 4 (9 credit points); and
- Integrative Studies 402 (6 credit points).

Honours

It is possible to complete an honours BA course and/or an honours BSW course within the combined course program. For the BA honours course, an additional honours year is completed after the third year of the combined course program, before enrolling in the fourth year (which is the equivalent of the third year in the BSW degree course). Students proceeding full-time would normally complete an honours BA course and a BSW course (pass or honours) in six years of enrolment. For information about the honours BA course, the Faculty of Arts Handbook should be consulted.

Bachelor of Social Work

Course Coordinator:

Dr Zita Weber

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This is a full-time degree course preparing students to practise as accredited professional social workers in a range of fields including health, corrections, public welfare, family and child welfare and community work.

In the first and second years of the course, students select units of study from a wide range within the Faculty of Arts including philosophy, history, economics, government, and languages. Studies in sociology, psychology and Indigenous Studies are compulsory. This provides a strong base for subsequent studies in social work and social policy.

In Years 3 and 4 of the Bachelor of Social Work, the program is conducted on a full-time basis on two sites – the University campus and an agency where students undertake field education. The campus program develops knowledge and skills in theory analysis and development, in research and in debates about the interaction of personal and professional values and ethics as they relate to social policy and social work. The starting points for learning are typical issues and debates encountered in contexts of policy and practice or with particular citizen groups, brought together in a series of Issue Based Learning Units (IBLs). The IBLs provide the context for learning about theory, research, values and skills. A structured program of lectures, seminars and workshops is provided to resource learning. Students are expected to take progressively more responsibility for their own learning, equipping them for the demands of professional practice.

The Issue Based Learning units vary in different years, but all follow a structure which provides examples of social work and which is designed to ensure the development of broader knowledge and skills which are transferable to other contexts. Examples include: Families, children and young people; Caring and citizenship: the case of disability; Drugs and alcohol; the social work response. In 2006, the IBLs will be illness, inequality and intervention (IBL 1); Social justice, social citizenship and social work (IBL 2); Violence in Families (IBL 3); and Ageing (IBL 4).

The field education program provides a practice context for this learning. It requires social workers to use theory and research and to act consistently with regard to professional values and ethics. Field educators determine the scope and parameters of learning opportunities within the agency. In negotiation with their field educator, students are asked to produce a contract that will set out what they hope to learn, how that learning will happen and how with their field educator, they will monitor and evaluate this learning. The Bachelor of Social Work prepares graduates who have:

- an understanding of social work and social policy theory and practice and their interdisciplinary nature in historical, cultural, socio-economic and political contexts;
- an understanding of the interdependence of theory, practice, policy and research;
- an understanding of, and an ability to articulate, the contribution of social work and social policy in working towards social justice;
- a capacity to locate, analyse, use and engage in research in practice;
- an ability to use knowledge effectively to solve problems at different levels of intervention and in a range of workplace contexts;
- an ability to act professionally, using ethical and strategic practices, using 'self' in a disciplined way in social work;
- an ability to reflect systematically on the theoretical and personal underpinnings of practices and to change and develop them where necessary in light of new knowledge, lived experience and different contexts;
- an ability to combine autonomy with a capacity for collaborative and versatile work;
- an appreciation of the limits of current knowledge and capabilities and a preparedness to undertake ongoing professional development.

The schedule of studies for the four years of the degree follows:

Year 1

48 credit points comprising:

- Introduction to Sociology 1 and Introduction to Sociology 2 (12 credit points);
- 36 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course. (Credit may be given for units of study taken at other institutions.)

Year 2

48 credit points comprising:

- two senior level Sociology units of study (12 credit points) and
- intermediate level Psychology units of study (12 credit points); or Psychology for Social Work 201 and Psychology for Social Work 202 (12 credit points); and
- senior indigenous studies unit of study (6 credit points); and
- 18 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course. (Credit may be given for units of study taken at other institutions.)

Year 3

48 credit points comprising:

- Professional Practice (8 credit points); and
- IBL unit 1 (8 credit points); and
- IBL unit 2 (8 credit points); and
- Field Education 1 which includes field education of not fewer than 60 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).

Year 4

48 credit points comprising:

- IBL Unit 3 (9 credit points); and
- Field Education 2A and 2B which includes field education of not fewer than 80 days and such attendance at classes as may be prescribed by the Faculty (24 credit points); and
- IBL unit 4 (9 credit points); and
- Integrative Studies (6 credit points)

Honours

Honours are awarded on the basis of achievement in the third and fourth years.

Social Work units of study

Year 1

SCLG1001

Introduction to Sociology 1

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 1, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one essay (40%), one 2 hour exam (40%) and other work as assigned by coordinator (20%)

This unit introduces students to the study of sociology through an analysis of contemporary Australian society. Using a range of sociological concepts and theories, we will analyse society in the period known as 'modernity'. Students will be encouraged to analyse existing social phenomena through the prisms of gender, sexuality, ethnicity, class, multiculturalism and Indigeneity.

Textbooks

Readings will be available.

SCLG1002

Introduction to Sociology 2

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 2, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one essay (40%), one 2 hour exam (40%) and other work as assigned by coordinator (20%)

Students will continue to be introduced to sociology through the analysis of contemporary society. Through a focus on the sociology of everyday life, we will explore the relationships between various social and cultural forms, institutional sites and the practices of everyday life. Topics such as fame and celebrity, fashion and consumption, globalization community and belonging will be explored.

Textbooks

Readings will be available.

Year 2

SCWK2004

Psychology for Social Work 201

Credit points: 6 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 1 **Classes:** 2 lectures plus 1 tutorial/week **Prerequisites:** 48 junior credit points **Assessment:** one 1500 word tutorial process diary, one 2 hour exam, online tutorial participation

Note: This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.

This unit of study focuses on theories and research in psychology that have most relevance to the practice of social work. Areas covered will be (i) Counselling Psychology, critically examining the theoretical foundations of counselling processes; (ii) Human Development, indicating the main patterns of development.

SCPL2601

Australian Social Policy

Credit points: 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCPL3001 **Assessment:** one 1500 word essay (30%), one 1000 word tutorial paper and presentation (30%) and one 2 hour exam (40%)

In this unit of study Australian social policy is explored: the legal and administrative framework; relationships between family and the state; employment, unemployment, unpaid work and welfare; the public/private mix; aged care policies, the culture of welfare state provision, indigenous policies, migration, multiculturalism and the formulation and delivery of social welfare services in Australia.

KOCR2600

Indigenous Australia: An Introduction

Credit points: 6 **Teacher/Coordinator:** Ms Shino Konishi **Session:** Semester 1, Semester 2 **Classes:** (2 lec x 1hr & 1 x 1hr tut)wk **Prerequisites:** 18 Junior credit points **Prohibitions:** KOCR2100 **Assessment:** one 2000 word essay (40%); one tutorial presentation (10%); one 1000 word tutorial paper (20%); WebCT activities equivalent to 1500 words (30%).

This unit of study explores the historical, social and political contexts of the survival and growth of Aboriginal and Torres Strait Islander cultures and philosophies. The unit is structured around the themes of representation and identities; the colonisation of land and people; and resistance and agency. It will provide students with an introduction to Indigenous philosophies and theories by examining 'contact history' and resistance within a critical framework.

SCWK2005

Psychology for Social Work 202

Credit points: 6 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 2 **Classes:** 2 lectures plus 1 tutorial/week **Prerequisites:** 48 junior credit points. **Assessment:** one 1500 word tutorial process diary, one 2 hour exam, online tutorial participation.

Note: This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.

The unit of study focuses on psychological theories and research associated with mental health and several contemporary issues of particular relevance to the practice of social work. Strategies are introduced to assist in an understanding of the complex factors involved in experiences of child abuse, domestic violence, psychosocial aspects of HIV/AIDS, suicide, drug and alcohol addiction, gambling, living with mental illness, diverse families and grief.

SCLG2602

Social Inquiry: Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Either SCLG1001 and SCLG1002 or SCWK2003 **Prohibitions:** SCLG2002, SCLG2521 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit of study introduces students to a range of qualitative and quantitative research methods in common usage throughout the social sciences. The course has both analytical and practical components. With regard to the former, students are introduced to the methodological issues in contemporary sociology and their impact on the research process. An emphasis will be placed on developing a critical ability to read sociological research, with an eye to the methodological adequacy of social research, the use of theory in the research process, the political and ethical issues that arise whilst conducting research, and the classical and contemporary debates over interpretation and the production of knowledge. With regard to the latter component, students will undertake practical exercises in order to learn to appreciate and use a selection of research approaches, methods and techniques. This unit is mandatory for Sociology majors.

Textbooks

Unit reader will be available through the Copy Centre

Year 3

SCWK3006

Issue Based Learning Unit 1

Credit points: 8 **Teacher/Coordinator:** Dr Margot Rawsthorne **Session:** Semester 1 **Classes:** 4 hours/week **Prerequisites:** 96 Credit points to include SCPL2601; KOCR2600; SCLG2602; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. **Corequisites:** SCWK3007, SCWK3008 **Assessment:** Poster and group presentation (40%), essay (60%).

The title and content of the unit will be selected from the following: Illness, inequality and intervention; Social justice, social citizenship and social work; Caring and citizenship; the case of disability; Families, children and young people; Drugs and alcohol; the social work response.

SCWK3007

Issue Based Learning Unit 2

Credit points: 8 **Teacher/Coordinator:** Dr Sue Goodwin **Session:** Semester 1 **Classes:** 4 hours/week. **Prerequisites:** 96 Credit points to include SCPL2601; KOCR2600; SCLG2602; Either SCWK2004 and SCWK2005 or 12 intermediate

Psychology credit points. **Corequisites:** SCWK3006, SCWK3008 **Assessment:** In-class exam (35%), tutorial presentation (25%), essay (40%).

The title and content of the unit will be selected from the following: Illness, inequality and intervention; Social justice, social citizenship and social work; Caring and citizenship: the case of disability; Families, children and young people; Drugs and alcohol; the social work response.

SCWK3008

Professional Practice

Credit points: 8 **Teacher/Coordinator:** Dr Zita Weber **Session:** Semester 1 **Classes:** 4 hours/week. **Prerequisites:** 96 Credit points to include SCPL2601; KOCR2600; SCLG2602; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. **Corequisites:** SCWK3006, SCWK3007 **Assessment:** Assessment plan (15%), assessment report (35%), take home exam (30%), reflective journal (20%).

This unit of study addresses the theory-practice relationship and provides students with opportunities to engage with reflexive practice. It provides an introduction to the diversity of the professional practice of social work and aims to develop the capability of students to practise generic skills in social work practice and policy. There is an emphasis on understanding social work values and the fundamentals of ethical practice. Students are encouraged to recognise and build upon skills and knowledge they already have, and to develop their capabilities for acquiring further knowledge and skills.

SCWK3005

Field Education 1

Credit points: 24 **Teacher/Coordinator:** Associate Professor Jude Irwin **Session:** Semester 2 **Classes:** 2 hours/fortnight **Prerequisites:** SCWK3006, SCWK3007, SCWK3008 **Assessment:** Pass/Fail

This unit is a compulsory, full time field education practicum of 60 days (Tuesday to Friday). In negotiation with the field educator, students produce a learning contract that sets out what they hope to learn, how this learning will happen and how, with their field educator, they will monitor and evaluate their learning. In addition, students attend fortnightly placement classes and peer support and accountability groups. These provide a forum in which to explore issues concerning the integration of practice and theory, as well as opportunities for support and consultation with other students and social work staff. Written assignments and oral presentations allow students to demonstrate their placement learning.

Year 4

SCWK4002

Integrative Studies 402

Credit points: 6 **Teacher/Coordinator:** Dr Zita Weber **Session:** Semester 2b **Classes:** 12 hours/week **Prerequisites:** SCWK4003; SCWK4005 **Corequisites:** SCWK4004, SCWK4006 **Assessment:** Critical reflection on learning outcomes (30%), policy submission (70%)

This is the final unit of study in the Bachelor of Social Work program and is of four weeks' duration. Through processes of critical reflection, students have an opportunity to look back on and consolidate

knowledge and skills developed over the four years of the Bachelor of Social Work degree

SCWK4003

Issue Based Learning Unit 3

Credit points: 9 **Teacher/Coordinator:** Dr Lesley Laing **Session:** Semester 1a **Classes:** 12 hours/week (seminars and lectures) **Prerequisites:** SCWK3005; SCWK3006; SCWK3007; SCWK3008 **Assessment:** Article review (15%), essay (45%), group development and presentation of a research proposal (40%).

This unit is the third of a sequence of four context-based units. It is of five weeks duration and is intended to develop further students' capabilities in the transfer of knowledge and independent work. It builds on the knowledge and skills gained in Field Education I and includes preparation for Field Education IIA & IIB.

SCWK4004

Issue Based Learning Unit 4

Credit points: 9 **Teacher/Coordinator:** Dr Ruth Phillips **Session:** Semester 2a **Classes:** 12 hours/week (seminars and lectures) **Prerequisites:** SCWK4003; SCWK4005 **Corequisites:** SCWK4002, SCWK4006 **Assessment:** Critical article review (30%), group project and presentation (40%), critical reflection on learning outcomes (30%).

This unit is the fourth of a sequence of four context-based units. It is of five weeks duration and is intended to develop further students' capabilities in the transfer of knowledge and independent work. It builds on the knowledge and includes skills gained in Field Education IIA & IIB.

SCWK4005

Field Education 2A

Credit points: 15 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 1b **Classes:** 2 hours/fortnight. **Prerequisites:** SCWK4003 **Assessment:** Pass/Fail

This is the first part of a full time field education practicum of 80 days. In negotiation with the field educator, students produce a learning contract that sets out what they hope to learn, how this learning will happen, and how, with their field educator, they will monitor and evaluate their learning. In addition, students attend fortnightly placement classes and peer support and accountability groups. These provide a forum in which to explore issues concerning the integration of practice and theory, as well as opportunities for support and consultation with other students and social work staff. Written assignments and oral presentations allow students to demonstrate their placement learning. Those students on placement outside the Sydney metropolitan area participate in weekly online classes and make a presentation at the end of placement. .

SCWK4006

Field Education 2B

Credit points: 9 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 2a **Classes:** 2 hours/fortnight. **Prerequisites:** SCWK 4005 **Assessment:** Pass/Fail

This is the second part of a field education practicum of 80 days.

Table of Bachelor of Social Work units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Year 1			
SCLG1001 Introduction to Sociology 1	6		Semester 1 Winter Main
SCLG1002 Introduction to Sociology 2	6		Semester 2 Summer Main
Year 2			
SCWK2004 Psychology for Social Work 201	6	P 48 junior credit points <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 1
SCPL2601 Australian Social Policy	6	P SCLG1001 and SCLG1002 N SCPL3001	Semester 1
KOCR2600 Indigenous Australia: An Introduction	6	P 18 Junior credit points N KOCR2100	Semester 1 Semester 2
SCWK2005 Psychology for Social Work 202	6	P 48 junior credit points. <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 2
SCLG2602 Social Inquiry: Research Methods	6	P Either SCLG1001 and SCLG1002 or SCWK2003 N SCLG2002, SCLG2521	Semester 2
Year 3			
SCWK3006 Issue Based Learning Unit 1	8	P 96 Credit points to include SCPL2601; KOCR2600; SCLG2602; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. C SCWK3007, SCWK3008	Semester 1
SCWK3007 Issue Based Learning Unit 2	8	P 96 Credit points to include SCPL2601; KOCR2600; SCLG2602; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. C SCWK3006, SCWK3008	Semester 1
SCWK3008 Professional Practice	8	P 96 Credit points to include SCPL2601; KOCR2600; SCLG2602; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. C SCWK3006, SCWK3007	Semester 1
SCWK3005 Field Education 1	24	P SCWK3006, SCWK3007, SCWK3008	Semester 2
Year 4			
SCWK4002 Integrative Studies 402	6	P SCWK4003; SCWK4005 C SCWK4004, SCWK4006	Semester 2b
SCWK4003 Issue Based Learning Unit 3	9	P SCWK3005; SCWK3006; SCWK3007; SCWK3008	Semester 1a
SCWK4004 Issue Based Learning Unit 4	9	P SCWK4003; SCWK4005 C SCWK4002, SCWK4006	Semester 2a
SCWK4005 Field Education 2A	15	P SCWK4003	Semester 1b
SCWK4006 Field Education 2B	9	P SCWK 4005	Semester 2a

4. Education units of study

Units of study descriptions

Education 1 (all Education students)

EDUF1018

Education, Teachers and Teaching

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Scanlon **Session:** Semester 1 **Classes:** Lectures: 2 hours/week; Seminars: 1 hour/week; Workshops: 1 hour/week for 8 weeks **Prohibitions:** EDUF1011 **Assessment:** Workshop presentation, academic writing competency exercise, reflective journal, 1500 word essay and examination (1.5 hours)

This unit of study is the first part of Education I and provides a general introduction to education and teaching. The unit integrates the following themes: knowledge, culture and the curriculum; teaching as a process and way of life; and, teachers as life-long learners and researchers. Within this unit, students are also mentored by more experienced students during their first semester transition to the university. Voluntary workshops on academic writing are provided for students. At the conclusion of the unit students should have developed and demonstrated an understanding of the complex character of teachers' work

EDUF1019

Human Development and Education

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Juan **Session:** Semester 2 **Classes:** Lectures: 2 hours/week for 10 weeks; Tutorials: 1 hour/week for 10 weeks; Workshops: 2 hours/week for 3 weeks **Prohibitions:** EDUF1012 **Assessment:** Seminar presentation, 2000 word essay, examination 2 hour.

This Unit of Study is the second part of Education I. Education 1019 introduces students to contemporary understandings of human development across the life-span with particular emphasis on childhood and youth. Such understandings are essential for students who intend to work as teachers with young people. They are also of utility to other students who have an interest in human development issues. This Unit addresses one of the major goals of Education I, II, and III, that is, the learning of a body of knowledge on "human development (child and adolescent in particular)". The Unit concentrates upon the phases of human development with and across the following domains: physical (including brain development, body growth, and motor development), cognitive, social, psychological, moral, aesthetic, and language development. Contemporary theory and research will be used to examine development across the phases of the life-span and within the various developmental domains. A focus will be on an introduction to issues of relevance to the understanding of human development such as the impact of history and culture upon human development, the impact of technology and social change upon the human development future, and the human development issues faced by children with special developmental/educational needs. In addition, the module Introduction to Computers in Education seeks to give students a beginning knowledge of computers and information technology relevant to their development as educational professionals. The Unit also functions to give beginning teachers (1) a knowledge of and respect for the diverse social, cultural, and ethnic and religious backgrounds of students, and the effects of these factors on learning, (2) knowledge of the physical, social and intellectual developmental characteristics of the ages of students from K to year 12, (3) knowledge of students' varied approaches to learning, and (4) knowledge of how the skills, interests, and prior achievements of students affect learning.

Science Foundations (Primary students)

EDUF1016

Science Foundations 1

Credit points: 6 **Teacher/Coordinator:** Dr Armstrong Osborne **Session:** Semester 1 **Classes:** Consists of an introductory week followed by two 4 week modules, one on Living Things and the other on Matter. Each module consists of two 1hour lectures and a 2 hour workshop session per week. An all day (6 hour) compulsory field activity will be held on **Assessment:** Assessment will be based upon assignments, practical work, and field work (40%) and a semester examination (60%).

Science Foundations 1 is a unit of study for all students enrolled in the Bachelor of Education Primary. The unit of study will provide students with a background in science and children's understanding of scientific concepts relating to biology and chemistry, relevant to their curriculum studies in K-6 Science and Technology. The coursework will consist of four hours per week, made up of lectures and workshop/seminars, an all-day field excursion and self-directed or assigned activities. The units will be taught using the staff and facilities of both the Faculty of Education and Social Work and the Faculty of Science.

Textbooks

There will be no recommended textbooks for this unit of study. Printed workshop notes will be prepared for each unit of study. Students should purchase Volume 1 from the University Copy Centre prior to the commencement of lectures.

EDUF1017

Science Foundations 2

Credit points: 6 **Teacher/Coordinator:** Dr Armstrong Osborne **Session:** Semester 2 **Classes:** Consists of an introductory week followed by two 4-week modules, one on The Earth and its Surroundings and the other on Physical Phenomena. Each module consists of two 1 hour lectures and a 2 hour workshop session per week. An all-day (6 hour) compulsory **Assessment:** Assessment will be based upon assignments, practical work, and field work (40%) and a semester examination (60%).

Science Foundations 2 is a unit of study for all students enrolled in the Bachelor of Education Primary degree. The unit of study will provide students with a background in science and children's understanding of scientific concepts relating to geoscience and physics, relevant to their curriculum studies in K-6 Science and Technology. The coursework will consist of four hours per week, made up of lectures and workshops/seminars, an all-day field excursion and self-directed field or assigned activities. The units will be taught using the staff and facilities of both the Faculty of Education and Social Work and the Faculty of Science.

Textbooks

There will be no recommended textbooks for this unit of study. Printed notes will be prepared for each unit of study. Students should purchase Volume 3 from the University Copy Centre prior to the commencement of lectures.

Education 2 (all Education students)

EDUF2006

Educational Psychology

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** Lectures: 2 hours/week for 12 weeks; Tutorials: 1 hour/week for 12 weeks **Prerequisites:** (EDUF1018 and EDUF1019) or 30 junior credit points **Assessment:** Tutorial presentations (oral & written), 2000 word essay, examination 2 hours.

This Unit of Study is the first part of Education II. Its aim is to provide a general introduction to educational psychology. The important issues of the Unit include constructivist and other approaches to learning,

critical thinking skills, problem solving, technologically supported learning and motivation. This Unit plays an important role in supporting later teaching and curriculum studies in the Bachelor of Education degree. At the end of this Unit of Study, students will have made substantial progress towards understanding the utility of research in psychology for educators. They will have the capacity to describe learning and teaching activities in terms of their psychological efficacy, especially as it relates to young people. Similarly they will have been introduced to the theory and practice of assessment and evaluation in educational settings, and the impact of assessment on learning and motivation. They will have had training in two Department of Education and Training policies, Good Discipline and Effective Learning, and Student Welfare.

EDUF2007

Social Perspectives on Education

Credit points: 6 **Teacher/Coordinator:** Dr Craig Campbell **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; Workshops: 2 hours/week for 12 weeks **Prerequisites:** (EDUF1018 and EDUF1019) or 30 junior credit points **Assessment:** Workshop presentations, 1000 word literature review, 4000 word joint research project, examination 1hour.

This Unit of Study is the second part of Education II. Its aim is to provide a general introduction to the social, political and economic contexts of education. The two themes studied in the Unit are: Schools and communities, and Educational systems, markets and globalisation. At the end of this Unit of Study, students should have the capacity to discuss the impact of a range of educational practices and policies on communities of students and families. Similarly, students will be familiar with broad movements in contemporary educational reform and their association with national and global economic change. As a result of working collaboratively on a substantial project students will develop a range of research skills. Training is provided in the following Department of Education and Training policies and procedures: Aboriginal Education, Anti-Racism and Gender Equity.

Education 3

(All Education students – compulsory units)

EDUF3031

Positive Approaches to Special Education

Credit points: 6 **Teacher/Coordinator:** Associate Professor David Evans. **Session:** Semester 1b, Semester 2a, Semester 2b **Classes:** Lectures: 2 hours/week for 6 weeks Workshop: 2 hours/week for 6 weeks, 20 hours fieldwork placement **Prerequisites:** 42 credit points **Assessment:** Fieldwork report (1000 words), tutorial presentation, essay (1500 words), behaviour management Plan (1500 words).

This unit addresses issues relating to the education of students with special education needs. They include the impact of current legislation, evidence based approaches to curriculum, teaching and learning practices for students with special education needs. A specific focus is given to managing challenging behaviours of students in a range of settings.

EDUF4044

Reading and Designing Research

Credit points: 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 1, Semester 2 **Classes:** Semester one - Lectures: 1 hour/week; Workshops: 2 hours/week/Semester two - block mode Lectures: 2 hours/week for 6 weeks; Workshops: 2 hours/week for 6 weeks **Prerequisites:** 120 credit points including (EDUF2005 or EDUF2006) and (EDUF2002 or EDUF2007) **Assessment:** Weekly exercises and final assignment.

This unit provides an overview of the research process, with a focus on critical evaluation of research reports and the design of research projects. The unit covers a wide range of research perspectives and techniques. The unit begins with a brief consideration of epistemology, emphasizing scientific and interpretive paradigms, and it will emphasize the links between theory, investigation and evidence. Research in education and social work relies on a range of perspectives and techniques used in the foundational disciplines of the humanities, social sciences and arts, which are considered throughout the unit. Basic research design issues are considered and various methods of

data collection are examined in this unit, 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 studies using experimental, interview, observation, single case and survey research methods, in addition to content analysis, secondary data analysis and arts-informed inquiry. Emphasis is placed on methods of assessing research quality, including validity and reliability of data collection techniques. Basic techniques for summarizing data are introduced, as are applications such as action research, evaluation research and evidence-based professional practice.

Education 3 options

(All Education students – options)

EDUF3023

Sports, Leisure and Youth

Credit points: 6 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 1 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** Tutorial presentation, a tutorial paper (750 to 1000 words), one extended essay (2000 words) one 2 hour exam.

This unit of study will deal with the way society has constructed identity over time in relation to sporting and leisure activities. It will also examine the evolution and motivations that have encouraged attempts to develop Youth Policy in the West in the twentieth-century. Phenomena such as athleticism in the Victorian Age and sports education in Australia will be examined; as well as the Olympic Games in the Ancient and Modern world, sport in the British Empire, and American sporting traditions. There will be a special focus on the history of sport and the development of physical education in Australia. The unit endeavours to place an emphasis on new theories that have emerged in this active research field over the past five years. These include how youth, sport and leisure have been socially constructed over time and how each relates to class, gender, ethnicity and age. Also to be explored is how youth, sport and leisure have been associated with specific educational aims and particular institutions and organisations. Changing images of sportsmen and women and what this signifies about social attitudes will be examined. Postmodern approaches are also considered such as the reconfiguration of the work/leisure dichotomy, transformations of the age cycle, youth as an ageless phenomenon, and youth movements as reactions against adolescent sexuality.

EDUF3024

Adolescent Development

Credit points: 6 **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points and EDUF1019 **Assessment:** Tutorial presentation and paper on one of the focus topics (2000 words), tutorial exercise on analytical skills (2 hours), examination on trends and pathways in adolescent development (2 hours).

The unit of study is about adolescence as a transition from a child to a young adult - within a lifespan approach to psychological development. Students will examine general trends over time and the many developmental pathways for young Australians in the context of schools, families and communities. The main aims are to outline and discuss current issues for Australian adolescents, to add to knowledge about adolescent development in diverse social contexts, and to build skills used to analyse the research ideas and evidence.

EDUF3026

Global Poverty and Education

Credit points: 6 **Teacher/Coordinator:** Associate Professor Phillip Jones **Session:** Semester 1 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** One 1hour exam, one 2500 word essay, one 1250 word workshop paper, one 750 word workshop paper.

This unit of study explores relationships between education, poverty and development in the less-developed parts of the world. It acknowledges the importance of a broad-ranging view of development,

including its economic, cultural and technological dimensions. The unit begins with an analysis of the impact of globalisation on poorer regions, moving to consideration of a range of theories of development and how education is viewed in them. The major part of the unit examines key issues facing educational development in poorer countries at the present time, and moves on to country and/or regional case studies, consideration of the Australian foreign aid program in education, and the role of UN agencies in educational development. Students will be assessed on the basis of: workshop participation, examination & essay. The emphasis, in all aspects of assessment, will be on demonstrating a sound understanding of the theories developed within the unit of study and applying these to the less-developed areas of the world. The use of educational research to support students' work, combined with a critical integration of all information used, is an integral component of the unit. The unit is especially designed for those who have an interest in developing countries, who may be teaching or writing about development issues, or who may be interested in careers in international and development education, whether in Australia or overseas.

EDUF3027

International Education

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Bagnall **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** 1 hour exam, 2500 word essay, two 1000 word workshop papers, workshop participation.

The unit emphasis is on the underpinning global education trends of the developed world. A number of themes are dealt with in this global context, in particular youth transition, the emergence of international curriculum and assessment and a number of education system case studies. These case studies will include the education systems of France, Great Britain, Germany, the United States and Japan. The unit will appeal to students who are likely to work in the increasingly global world of teaching and may be involved in latter years in working in organizations such as UNESCO, the OECD or the World Bank.

EDUF3028

Mentoring in Educational Contexts

Credit points: 6 **Teacher/Coordinator:** Dr. Lesley Scanlon. **Session:** Semester 1 **Classes:** Lectures: 1 hour/week for 10 weeks; seminars: 2 hours/week for 10 weeks **Prerequisites:** 42 credit points **Assessment:** Seminar presentation & written summary; reflective journal.

It is increasing difficult for young people to survive in contemporary risk societies. Particularly problematic is their successful navigation of unfamiliar communities of practice manifest as organisational structures. Subsequently, mentoring has been widely adopted internationally to support young people acquire the organisation know-how essential to organisational survive. Specifically, within an educational context mentoring as theory and practice has assumed critical importance in introducing pre-service teachers to the professional practice of teaching. This unit of study examines mentoring in schools and universities and other organisational structures. Students use a range of sociological theories and constructs in order to develop a critical understanding of mentoring as professional practice. Students have the opportunity to engage directly in mentoring through the facilitation of on-going mentor relationships in an approved mentoring program while studying this unit of study.

EDUF3029

Psychology of Learning and Teaching

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points and EDUF2006 **Assessment:** 2000 word essay (35%), collaboratively written tutorial paper 25000 word (20%), individual oral tutorial presentation (15%), 2 hour take home exam (30%)

This unit of study examines four themes from current research on learning and teaching which have significant implications for enhancing learning outcomes in educational settings: The self-system, learning and achievement; Collaborative learning: Cognitive and motivational factors; Information processing and the design of instruction; Learning

from text, illustrations and multimedia. Each of these themes is defined by a central question (e.g. How is the self-system organised and what is its relationship to student achievement?) which is examined through several bodies of related recent research. In addition to lectures on each theme, students present the results of their collaborative self-directed research on one of the themes in a series of presentations held in the last three weeks of the unit of study. At the completion of the unit students should be able to analyse, synthesise, and draw conclusions from theory and research in each of the four themes considered, derive educational implications and applications for an educational level (e.g. primary, secondary), demonstrate the skills involved in collaborative and self-directed learning, and demonstrate competence in oral and written communication skills.

EDUF3030

Australian Secondary Schooling

Credit points: 6 **Teacher/Coordinator:** Dr Craig Campbell. **Session:** Semester 1 **Classes:** Weeks 1 to 6/Lectures: 2 hours/week; Tutorials: 1 hour/week/ Weeks 7 to 12/Lectures: 1 hour/week; Workshops: 2 hours/week **Prerequisites:** 42 credit points **Assessment:** Class work, essay (2000 words), collaborative assignment (presentation & 1500 words), exam (1hour).

How can we explain the ideas, practices and institutions which form the modern Australian secondary school. This unit looks for the answers in the history of the secondary school. Where did the HSC, prefects, SRCs, school uniforms, the curriculum, the private and the public school, the coed and single sex school, and the church and public schools all come from? Understanding the history of the present enables a powerful advantage in the process of reforming secondary schools and education. The first part of the unit looks at the inheritance from Europe and North America before concentrating on Australia, and New South Wales in particular. The workshop and collaborative assignment program encourages students to work on the experience and history of particular schools in which they may be interested.

EDUF3032

Curriculum and Evaluation

Credit points: 6 **Teacher/Coordinator:** Associate Professor Robyn Ewing **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; Tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** Seminar presentation (30%) and related paper on a curriculum phenomenon (40%), reflective writing on the nature of curriculum and evaluation or critique of recent article (30%).

The aim of this unit is to allow students to investigate their understandings of curriculum and other related phenomena, both theoretically and with application to current issues, resources and materials. Content includes: the nature and organisation of the curriculum, curriculum ideas: their history, curriculum as storylines, curriculum stakeholders and ideology, curriculum construction and deconstruction, and curriculum as social construct

EDUF3033

Problems of Knowledge and Ethics

Credit points: 6 **Teacher/Coordinator:** Dr Jim Mackenzie. **Session:** Semester 1 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** 3 hour exam, seminar presentation, and classwork. The assessment tasks will be designed to extend student skills in foundational knowledge, literacy, critical thinking, and knowledge.

This unit will aim to develop in students a number of attributes which derive from studying contemporary issues in ethics and in epistemology, as these relate to education. The topics covered will require participants to enter into the debates about ethical and epistemological issues and to locate their discussion and analysis within philosophical traditions and practical educational contexts. Topics may include the teaching of ethical reasoning and public moral language in a multicultural society, school discipline, friendship and professional relationships, autonomy, moral development, religious education, political education, bias, the sources or bases of knowledge, differences between kinds of knowledge, and the institutionalization of knowledge in educational institutions.

Education 3 (International students only)

EDUF3034

Australian Theatre, Film and Learning

Credit points: 6 **Teacher/Coordinator:** Dr John Hughes, Dr Michael Anderson
Session: Semester 1, Semester 2, Summer Main **Classes:** 10hrs lectures, 10 hrs seminars, 4 field trips **Assessment:** Journal (2000 words), Essay (2000 words)

Note: Available to Study Abroad students only.

This unit of study will examine the nature of theatre and film in Australian cultural and educational settings. A particular focus will be placed on theatre and film for and by young people, and the range of learnings that take place through young people's engagement in, and appreciation of, theatre and film. In addition, the role and nature of Australian film and theatre will be placed within an international context so that students can examine the international forces influencing Australian culture. Australian Theatre, Film and Learning will provide first hand experiences of Australian films and theatre performances through field trips to significant theatre performances and festivals, Australian school performances and the viewing of Australian films.

Secondary: combined degrees (BEd/BA, BEd(Maths)/BSc, BEd(Sc)/BSc)

Year 2 Professional Studies (compulsory units)

EDSE2001

Craft Knowledge and Prof Practices 1

Credit points: 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 2a **Classes:** 5 hours/week for 6 weeks and 1 workshop (33 hours) **Prerequisites:** 42 credit points including 12 credit points of Education **Assessment:** Three assessment tasks including teacher narrative 1000 words (30%), web-based discussion room 1000 words (30%), and 3000 words assignment (40%).

This unit of study explores how teachers become more aware of their professional practices and develop and refine craft knowledge. Students examine the evolving roles of teachers in the classroom, identify best teaching practices and analyse and critique a range of teaching styles, methods and strategies (including ICT) to meet the needs of students. Students learn about the roles of teachers in classrooms and examine their own emerging perceptions of self as teacher.

Year 3 Professional Studies (compulsory units)

EDSE3072

Craft Knowledge and Prof Practices 2

Credit points: 4 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 2 **Classes:** 5 hours/week for 6 weeks (30 hours) **Prerequisites:** 48 credit points including 24 credit points of Education, EDSE2001 and one of the following: EDSE3037, EDSE3038, EDSE3040, EDSE3041, EDSE3042, EDSE3043, EDSE3044, EDSE3045, EDSE3046, EDSE3047, EDSE3048, EDSE3049, EDSE3050, EDSE3051, EDSE3069. **Assessment:** Three assessment tasks including web-based discussion 1000 words (30%), essay 2000 words (40%) and report 1500 words (30%).

This unit of study builds on the knowledge, understandings, skills and attitudes explored and developed in Craft Knowledge and Professional Practice 1. This unit of study addresses issues and challenges facing schools in relation to access, equity and diversity and how these can be addressed through policy and practice. Through reflection students are able to examine and interpret their beliefs about students, teachers, learning, teaching, schools and knowledge. Craft knowledge and professional practice is developed and refined as students use their own knowledge and experiences in professional conversations with peers and lecturers to critically analyse their own practice in conjunction with theory and research.

EDSE3073

Professional Experience A

Credit points: 2 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 2 **Classes:** 20 days in school experience **Prerequisites:** 48 credit points including 24 credit points of Education, EDSE2001 and two of the

following: EDSE3037, EDSE3038, EDSE3040, EDSE3041, EDSE3042, EDSE3043, EDSE3044, EDSE3045, EDSE3046, EDSE3047, EDSE3048, EDSE3049, EDSE3050, EDSE3051, EDSE3054, EDSE3069 **Assessment:** Satisfactory/Unsatisfactory

Professional experience is a core part of the professional preparation of teachers. It provides students with opportunities to develop their teaching skills and professional understandings. It is a pivotal opportunity for beginning teachers to experiment and to implement a wide range of strategies and pedagogy that they have acquired during their university-based courses. This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession.

Year 3 curriculum units

EDSE3037

Teaching Visual Arts 1A

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education plus 12 senior credit pts of Art History and Theory **Corequisites:** Practical art course taken at The Tin Sheds **Assessment:** Reflective essay, practical projects

This unit will introduce the nature and scope of Visual Art Education within NSW. This is followed by a survey of extant pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the NSW Visual Art Syllabus (7-10). Authentic, practical activities will be utilised to contextualise and ground art education processes. Students will be introduced to organising, planning and managing teaching experiences including writing lesson plans for the junior secondary school.

EDSE3038

Teaching Visual Arts 1B

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education & 12 senior credit pts of Art History and Theory **Corequisites:** Practical art course taken at The Tin Sheds. **Assessment:** Critical review of literature, Reflective essay, Class presentations, Practical projects.

This unit will firstly examine the nature and scope of Visual Art Education within NSW. This unit will critically analyse and evaluate pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the NSW Visual Art syllabus (7-10). Authentic, practical activities will be utilised to contextualise and ground art education processes. Students will be introduced to organising, planning and managing teaching experiences including programming Units of Work for Stages 4 and 5.

EDSE3056

Teaching Visual Arts 2A

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** 36 hours/semester **Prerequisites:** EDSE3037 Teaching Visual Arts 1A and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans, In-school observation report.

This unit will closely examine the nature and scope of Visual Art Education within. This is followed by a survey of extant pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the Department of Education and Training NSW Visual Art Policy Documentation. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences for Stages 4 and 5.

EDSE3057**Teaching Visual Arts 2B**

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3037 Teaching Visual Arts 1A and EDSE3038 Teaching Visual Arts 1B and Practical art course taken at The Tin Sheds **Corequisites:** Advanced practical art course taken at The Tin Sheds **Assessment:** Units of Work with appropriate Lesson Plans (2000 words), In-school observation report (1500 words), Student evaluation program (2000 words), Practical projects.

This unit will closely examine the nature and scope of Visual Art Education within Australia. This is followed by a survey of extant pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the DET NSW Visual Art Policy Documentation. Authentic, practical activities will be utilised to contextualise and ground student art appreciation and evaluation processes. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences, writing Units of Work for the junior secondary school.

EDSE3040**Teaching History 1**

Credit points: 6 **Teacher/Coordinator:** Ms Carmel Fahey, Dr Tim Allender **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 48 credit pts including 24 credit pts of Education and 12 Senior credit pts of History **Assessment:** Task 1- What is history? - 50%, Task 2- Questioning in history - 50%

Module A: This module aims to prepare History Curriculum students in the theory and practice of teaching history in the secondary school. The unit draws on current research, thinking and practice in the field of history education, and relates these understandings to the realities and varying contexts of history teachers work and instruction. Module B: This module presents a common core for all history and social education students covering generic HSIE teaching skills and understandings for incorporating cross curriculum content into all the subjects in the HSIE key learning area.

EDSE3058**Teaching History 2**

Credit points: 6 **Teacher/Coordinator:** Ms Carmel Fahey **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3040 Teaching History 1 plus 12 senior credit points of History. **Assessment:** Assessment will be based on two pieces of work. The first assessment task requires students to collaboratively develop teaching and learning strategies around a particular approach to history teaching and learning, Weighting 50% (2250 words). The second requires students to critique and modify a set of lesson plans to incorporate differing learning styles, literacy development, ICT and an appropriate assessment task, Weighting 50% (2250 words).

This Unit of Study aims to prepare History /HSIE students to acquire the knowledge, skills and understandings necessary to implement current Board of Studies Stages 4 and 5 History and HSIE syllabuses. The unit focuses specifically on developing a range of approaches to history teaching and learning, and on developing literacy and numeracy strategies for teaching across age and ability groups. An applied approach to ICT in History and HSIE classrooms is emphasised throughout.

EDSE3041**Teaching Geography 1**

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 48 credit pts including 24 credit points of Education and 12 Intermediate credit points of Geography **Assessment:** Students will develop a unit overview, lesson plans (including one based upon a website), and student assessment program

This module aims to assist students to become confident, enthusiastic and competent teachers of geography in Years 7 to 10. Initially students will investigate the history of geography as a discipline and how it came to have a key place in the junior secondary school curriculum. The core concepts of geography will be studied with an emphasis placed on how each concept can be taught to 12 to 16 year olds. Approaches to lesson and program planning will be developed through reference to the current NSW Board of Studies Geography

Syllabus Stages 4-5. Special attention will be given to developing an assessment program to determine student achievement of the syllabus outcomes

EDSE3059**Teaching Geography 2**

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 2 **Classes:** 4 hours/week (36 hrs) **Prerequisites:** EDSE3041 Teaching Geography 1 plus 12 intermediate credit points of geography **Assessment:** Assessment consists of three tasks; a 2000 word fieldwork planning task (40%); a 600 word skills based presentation (10%); and a 3400 word modification of an existing lessons and program that incorporates cross curriculum content (50%).

The two modules of Geography 2 and Human Society and Its Environment 2 are designed to develop students' understanding of teaching geographical tools and skills, particularly fieldwork and inquiry learning experiences. A variety of geographical resources developed for teaching such as maps, graphs and statistics, and photographs will be used to investigate the components of planning a sequence of skill development in Stage 4 and 5 Geography. Activities will be developed which will assist school students develop skills in acquiring, processing and communication geographical information, as well as encouraging their participation as active and informed citizens. In addition special attention will be given to the place of fieldwork in geography programs, including how a teacher can help students become active investigators of space, location and geographic community.

EDSE3042**Teaching Drama 1**

Credit points: 6 **Teacher/Coordinator:** Dr M Anderson, Dr J Hughes **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 48 credit pts including 24 credit pts of Education and 12 Senior credit pts of Performance Studies **Assessment:** Assessment is based on the analysis of syllabus and support documents, development of teaching resources for 7-10 drama classes and the analysis of a professional performance.

This unit of study is the initial Drama Curriculum (method) course unit for prospective secondary Drama teachers who are in the third year of the combined BEd/BA degree program. The unit introduces the teaching Drama 7-12, with a focus on Stages 4 & 5. Students will develop an understanding of the cognitive/affective development which the study of Drama anticipates. They will begin to develop their own personal style of teaching. The emphasis in this course is upon the teaching of Process Drama related to the NSW Year 7 - 10 Drama Syllabus.

EDSE3060**Teaching Drama 2**

Credit points: 6 **Teacher/Coordinator:** Dr Michael Anderson **Session:** Semester 2 **Classes:** 4 hours/week for 9 weeks (36 hrs) **Prerequisites:** EDSE3042 Teaching Drama 1 plus 12 senior credit points of Performance Studies **Assessment:** Assessment is based on an essay on drama learning pedagogies (3000 words) and a 20 minute seminar presentation and accompanying paper relating to a Higher School Certificate topic area in drama.

This unit continues the preparation for teaching Drama 7-12, with a focus on Stage 6, Higher School Certificate Drama. Students will deepen their understanding of the cognitive/affective development which the study of Drama anticipates, and further develop their own personal style of teaching.

EDSE3043**Teaching TESOL 1**

Credit points: 6 **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education plus 12 credit points of Linguistics plus 12 credit points of either English, or Languages. **Assessment:** The assessment tasks will be the completion of a case study into second language acquisition and the development of teaching materials.

This unit of study aims to develop students' understanding of second language acquisition research and its implications for the teaching and learning of second language learners. The unit will link fieldwork with an exploration of current language education research. The unit has relevance for teaching in Australia and overseas and focuses on the development of communicative competence.

EDSE3061

Teaching TESOL 2

Credit points: 6 **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3043 Teaching TESOL 1 plus 12 credit points of Linguistics plus 12 credit points of English or Languages **Assessment:** The assessment tasks include the development of a teaching portfolio (2500 words 50%) and the class presentations of student research (2500 words 50%).

This unit of study focuses on the development of literacy in a second language and on assessment and evaluation of TESOL learners and teaching programs. Students will explore the implications of the various models of reading for TESOL and the issues surrounding cultural differences in reading and writing. There will also be a focus on the implications of text-type/genre and process approaches for second language writing. Students will develop skills in linking assessment of teenage and adult learners of English with programming.

EDSE3044

Teaching English 1

Credit points: 6 **Teacher/Coordinator:** Dr Jacqueline Manuel **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 48 Credit Points including 24 credit points of Education and 12 Senior credit pts of English or Australian Literature **Assessment:** (1) Lesson plans for junior English (2) a reflective journal dealing with students' growing understanding of the English teacher's role that will include critiquing of readings and a philosophy of English.

Designed to increase knowledge and understanding of the theory and practice of teaching Secondary English within the perspective of the K-12 continuum, this unit of study will seek to provide a thorough grounding in the syllabus documents, content and materials used in Year 7 - 10 English classes. The unit will facilitate the development of effective, creative professionals who understand and can implement contemporary theory relevant to teaching and learning English, and who are proficient in a range and variety of teaching strategies appropriate to the class levels and individual needs encountered in secondary English classes.

EDSE3062

Teaching English 2

Credit points: 6 **Teacher/Coordinator:** Dr Jacqueline Manuel **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3044 Teaching English 1 plus 12 senior credit points of English **Assessment:** Assessment will take the form of: (1) a unit of work to be taught to a nominated class level (2000 words); (2) a piece of work relating to either Adolescent Fiction or Senior English (3000 words).

This course will extend and complete the study of the junior secondary English syllabus begun in Teaching English 1. It will in addition offer an in-depth study of approaches to teaching Adolescent Fiction, Years 7 -10. The other major strand of this unit will focus on a thorough examination of the Senior English, Stage 6 syllabus for years 11-12.

EDSE3045

Teaching Mathematics 1A

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education and 24 credit points of Mathematics **Assessment:** 1. Planning a lesson from the Number strand of the syllabus. 2. Planning, delivering and evaluating lessons for Year 7 and 8 from the Number or Patterns and Algebra strands.

This unit of study, the first in the sequence over Year 3 and 4 of the double degree, allows double and single mathematics method students to become aware of a number of basic issues encountered by mathematics teachers in the secondary school. Emphasis is placed on the design of effective lessons in Years 7-10, focussing on Working Mathematically, Number, and Patterns and Algebra.

EDSE3046

Teaching Mathematics 1B

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education and 24 credit points of Mathematics **Assessment:** 1. Identifying and reviewing a selection of journal articles that relate to a specific topic from the syllabus or to a current issue in mathematics education. 2. Designing a portfolio of rich assessment tasks for a particular stage.

This unit of study focuses on the role of the mathematics teacher in the classroom, with particular emphasis on the junior high school years. It is intended to provide the student with techniques for constructing rich learning environments for students in the early years of high school. Particular types of assessment tasks are examined that focus on problem solving and investigations.

EDSE3063

Teaching Mathematics 2A

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3045 plus 12 credit points of intermediate mathematics or statistics **Assessment:** 1. Planning three technology lessons (2000 words); 2. Planning a unit of work from either the Data, Measurement, or Space and Geometry strands of the Mathematics Years 7-10 Syllabus and designing appropriate assessment approaches (4000 words).

This unit of study focuses upon the learning and teaching of Data, Measurement, Space and Geometry in Years 7-10. The nature of geometric proof is explored in detail and the teaching of this notion based on recent research is examined. The place of appropriate technology in the teaching and learning of secondary mathematics is examined. Assessment approaches are explored including formal and informal strategies.

EDSE3064

Teaching Mathematics 2B

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3045 Teaching Mathematics 1A, EDSE3046 Teaching Mathematics 1B, and 12 credit points of intermediate mathematics or statistics **Corequisites:** EDSE3063 Teaching Mathematics 2A **Assessment:** Assessment: 1. Presenting a teaching and learning activity for either Data, Measurement or Space and Geometry (1000 words). 2. Researching and reviewing appropriate websites for teaching and learning a particular area of mathematics (1000 words). 3. Assessing a student with special learning needs, designing appropriate learning tasks for the student (3000 words).learning tasks for the student (3000 words).

As a school based unit, it provides the student with the opportunity to work directly with children. The construction of rich learning environments for students are done with the classroom teacher. Assessment strategies for these children are examined closely as part of the learning experience, together with Department of Education and Training policy for measuring and recording formative assessment tasks.

EDSE3047

Teaching Languages 1A

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education plus 24 credit points of languages **Assessment:** Assessment will be based on one essay, lesson planning and reflection via written entries on an electronic Discussion Board

This unit of study is the initial Languages Curriculum (method) course unit for prospective secondary languages other than English teachers who are in the third year of the combined Bachelor of Education/Bachelor of Arts degree program. The unit is designed to introduce pre-service languages teachers to key concepts and understandings of languages education and build their awareness and skills in preparation for NSW secondary classrooms during School Experience 1. Students will gain broad understandings about the nature and scope of teaching of languages other than English education in the NSW context, about traditional and more contemporary and innovative classroom practices and particular aspects of policy and Board of Studies documentation. Students begin a "journey" of reflection on their knowledge and practice of languages education.

EDSE3048

Teaching Languages 1B

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 24 credit points of Education plus 24 credit points of Languages **Assessment:** Assessment will be based on one essay, lesson planning and reflection via written entries on an electronic Discussion Board.

This unit of study is the initial Languages Curriculum (method) course unit for prospective secondary languages other than English teachers who are in the third year of the combined BEd/BA degree program. The unit is designed to introduce pre-service languages teachers to key concepts and understandings of languages education and build their awareness and skills in preparation for NSW secondary classrooms during School Experience 1. Students will gain broad understandings about the nature and scope of teaching of languages other than English education in the NSW context, about traditional and more contemporary and innovative classroom practices and particular aspects of policy and Board of Studies documentation. Students begin a "journey" of reflection on their knowledge and practice of languages education.

EDSE3065

Teaching Languages 2A

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 3 hours/week for 8 weeks **Prerequisites:** EDSE3047 Teaching Languages 1A and 12 senior credit points of languages **Assessment:** Assessment will be based on three assignments, senior assessment task 50%, 2500 words, powerpoint slide show and design 20%, 1000 words, make, appraise a language teaching resource 30%, 1500 words.

This unit is designed to build on curriculum unit Teaching Languages 1A and on understandings developed during the first school experience practicum session. With their deepening knowledge of the theory and the practices of the languages other than English classroom, pre-service languages teachers will investigate issues in languages curriculum design and development. Students continue on their "journey" of reflection on knowledge and reflection on their profession. With their deepening knowledge of the theory and the practices of the languages other than English classroom, pre-service languages teachers will investigate issues in languages curriculum design and development. Students continue on their "journey" of reflection on knowledge and reflection on their profession.

EDSE3071

Teaching Languages 2B

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3047 Teaching Languages 1A and EDSE3048 Teaching Languages 1B and 12 senior credit points of languages **Corequisites:** EDSE3065 **Assessment:** Assessment will be based on two tasks: senior assessment task, 50%, 2500 words and reflection via written entries on an electronic discussion board 50%, 3500 words

This unit is designed for pre-service language teachers continuing with their curriculum method study in a second target language. The unit will continue to build pre-service language teachers' awareness, skills and understandings in languages education. Given the opportunity to spend more time on task in an online guided reading mode (within the core), pre-service language teachers will develop understandings about languages policy and planning and how it links to school implementation of languages programs and particular aspects of policy. Within the specific strand, pre-service teachers will continue to explore NSW Board of Studies documentation related to their second target language. Students continue to broaden their "journey" of reflection on language education.

EDSE3049

Teaching Computer Studies 1

Credit points: 6 **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 48 credit points including 24 credit points of Education and 24 credit points of Computer Studies **Assessment:** Assessment is based on the analysis of syllabus & support documents, development & implementation of teaching resources for 7-10 computing classes.

This unit of study focuses on the teaching of the NSW Computing Studies syllabi from 7 to 12. The main focus is on preparing computing studies lessons which focus on design issues & problem solving, and particularly on introducing hardware versus software, input and output, data(storage and communication), user interfaces, instructions (including "if-then"), errors, testing, and otherwise viewing a computer as a system. This unit focuses on methods of teaching with particular focus on activities and projects which wholistically combine sections of the syllabus in a realistic context. Students will begin to develop

their own approach to deconstruction of the syllabus and reconstruction into activities, lessons, and projects.

EDSE3066

Teaching Computer Studies 2

Credit points: 6 **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3049 Teaching Computer Studies 1 and 12 intermediate credit points of computer studies **Assessment:** Class presentations (20 minutes), report (1500 words), research (1500 words), program design (2000 words).

This unit of study focuses on the teaching of both the Information Technology and Processes and Software design and Development Higher School Certificate courses. Content such as the nature of information systems, systems design, project work, transaction processing, algorithms and program code, social and ethical issues in software design, operating systems, and optional modules such as the evolution of programming languages and the software developer's view of hardware will receive extended coverage in the context of designing appropriate learning experiences. Where possible ICT will be used to exemplify concepts, practices, and approaches in the computer classroom.

EDSE3050

Teaching Commerce/Economics 1

Credit points: 6 **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 48 credit pts including 24 credit pts of Education and 12 Intermediate credit points of Economics or Political Economy **Assessment:** Students will develop a Commerce teachers tool kit incorporating lesson plans, programs, teaching resources and a range of commercial teaching materials.

Module A: will prepare students to teach Commerce in stages 4 and 5 and Business Studies in stage 6. The modules in the unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of commercial education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students achievement of Commerce and Business Studies outcomes. Module B: This module presents a common core for all history and social education students covering generic HSIE teaching skills and understandings for incorporating cross curriculum content into all the subjects in the HSIE key learning area.

EDSE3067

Teaching Commerce/Economics 2

Credit points: 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 2 **Classes:** 4 hours/week (36 Hours) **Prerequisites:** EDSE3050 Teaching Commerce/Economics 1 and 12 intermediate credit points of economics or political economy **Assessment:** Preparation of a Business Plan in accordance with the Stage 6 Business Studies Syllabus (3000 words 50%), and a 3000 word modification of existing lessons and program that incorporates cross curriculum content (50%).

The two modules of Business Studies/Economics Module 2 and Human Society and its Environment Core 2 module 2 will prepare students to teach Business Studies and Economics in stage 6. The modules in the unit of study provide opportunities for students to achieve outcomes in understanding the curriculum design of commercial education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students achievement of Economics and Business Studies outcomes. Module B: is designed to develop students skills in applying cross curriculum content and perspectives especially civics and citizenship, literacy and numeracy and multiculturalism to the development of learning strategies and teaching resources.

EDSE3051

Teaching Science 1 (Core)

Credit points: 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 12 intermediate credit points in one Science Area (either Chemistry, Biology, Geology or Physics) + 6 credit points in 2nd Science area either Chemistry, Physics, Biology or Geology and 24 credit points of Education. **Assessment:** Assessment will be based on a professional portfolio, an assignment and a class presentation.

This unit of study is the initial Science Curriculum (method) course unit for prospective secondary Science teachers who are in the third year of the combined BEd/BSc degree program. The unit is designed to introduce students to contemporary ideas on the nature and practice of science education in the context of schooling, the aims of secondary science education and their implementation, the nature of the school science curriculum with particular emphasis on Australian secondary science curricula and the research, skills, resources and challenges that provide the contexts for contemporary science teaching and learning. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE3068 Teaching Science 2 (Core)

Credit points: 6 **Teacher/Coordinator:** Mr Tony Sperring **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3051 Teaching Science 1 (Core) and 12 intermediate credit points of science **Assessment:** Assessment will be based on one assignment (1500 words) (25%) and group seminar presentation (1 hour) (15%), and a professional portfolio (3500 words) (60%).

This unit of study builds upon the work done in the prerequisite course Teaching Science 1 (Core). The unit is designed to develop students' understandings of: i. the nature of science teaching and children's learning of science, in the context of contemporary research and classroom practices, ii. the planning of science teaching and learning activities, in individual lessons and units of work, iii. the interpretation and implementation of syllabus aims, objectives, outcomes and content guidelines as well as school and system policies and regulations, iv. the integration of individual science disciplines within a multidisciplinary science curriculum. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/methods/science/>

EDSE3052 Teaching Science Elective (Chemistry)

Credit points: 6 **Teacher/Coordinator:** Mr Tony Sperring **Session:** Semester 2 **Classes:** 4 hours/week **Prerequisites:** 12 intermediate credit points of Chemistry and 12 credit points of Mathematics and 24 credit points of Education **Corequisites:** EDSE3051 Teaching Science 1 (Core) **Assessment:** Assessment will be based on two assignments

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Chemistry. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/doubledegree.htm>.

EDSE3053 Teaching Science Elective (Senior Sci)

Credit points: 6 **Session:** Semester 2 **Classes:** 4 hours/week **Prerequisites:** 24 intermediate credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 24 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core) **Assessment:** Assessment will be based on two assignments

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the combined degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Senior Science, a multidisciplinary science course for senior school students. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE3054 Teaching Science Elective (Biology)

Credit points: 6 **Teacher/Coordinator:** Mr Ian Stevens **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 12 intermediate credit points Biology and 24 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core) **Assessment:** Assessment will be based on two assignments

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Biology. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDBT5610 Classical Hebrew & Judaism Curriculum 1

Credit points: 6 **Teacher/Coordinator:** B. Conyer **Session:** Semester 1b **Classes:** 4 hrs week for 9 weeks (36 hours) **Prerequisites:** 12 Credit points of senior Classical Hebrew or 12 credit points of senior Jewish Civilisation, Thought and Culture **Assessment:** Assessment will consist of lesson plans of 750 words (20%), Unit of study 1500 words (30%) and Reflective Journal and Resource Folder 3000 words (50%)

This course is the first in a series for students who intend to teach Jewish Studies in Stages 4-5, and corresponds to the Tanakh option in the Board of Studies Years 7-10 Hebrew Syllabus. The course develops foundational skills for classroom teaching of Judaism. The course also introduces students to the socio-historic development of Jewish education in Australia, providing an understanding of local context.

EDBT5660 Classical Hebrew & Judaism Curriculum 2

Credit points: 6 **Teacher/Coordinator:** B. Conyer **Session:** Semester 2 **Classes:** 4 hrs week for 9 weeks (36 hours) **Prerequisites:** EDBT5610 Judaic Studies Curriculum 1 **Assessment:** Assessment will consist of School visit assignment 1000 words (20%), Vision Statement 1500 words (30%) and Unit of Work 2500 words (50%)

This course is the second in a series for students who intend to teach Jewish Studies in Stages 4-5, and corresponds to the Tanakh option in the Board of Studies Years 7-10 Hebrew Syllabus. The course develops foundational skills for classroom teaching in addition to specialised methods for the teaching of Judaism. The course also introduces students to the socio-historic development of Jewish education in Australia, providing an understanding of local context.

Year 4 Professional Studies (compulsory units)

EDSE4039 Craft Knowledge and Prof Practices 2

Credit points: 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 2 **Classes:** 6 hours/week for 6 weeks (36 hours) **Prerequisites:** EDSE2001 Craft Knowledge and Professional Practices 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Assessment:** A reflection on Practice (20%) (1000 words), ii. Participation in a website discussion (40%) (1500 words), iii. 3000 word assignment (40%).

This unit of study will be integrated with school experience, and will explore different methods of expanding professional craft knowledge: critical friends, journals and mentors. The unit will use case-study methodology and will provide opportunities for students to further their insights into the ways in which the construction of one's own individual teaching style can be analysed using contemporary educational theories and practices.

EDSE4040 Professional Experience for Sec Teachers

Credit points: 4 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 2 **Classes:** 20 days in school experience **Prerequisites:** 48 credit points including two of the following: EDSE4021, EDSE4022, EDSE4023, EDSE4024, EDSE4025, EDSE4026, EDSE4027, EDSE4028, EDSE4029, EDSE4030, EDSE4031, EDSE4032, EDSE4033, EDSE4034, EDSE4035 **Corequisites:** EDSE4038, EDSE4039 **Assessment:** Satisfactory/Unsatisfactory.

This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession. This unit of study is the second school experience in the program. In this unit of study, students have

a more extended period of time in a school, and begin to assume a greater awareness of the diversity of students in their classes. They will be expected to be more aware of the community beyond the school.

EDSE4038

Curriculum 4: Information Technology

Credit points: 8 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 2 **Classes:** 48 hours over 12 weeks. **Prerequisites:** 96 Credit points including 30 credit points of Education & two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035 **Corequisites:** EDSE4039, EDSE4040 **Assessment:** Assessment will be based on an IT project in the student's major teaching method (curriculum) area (or in a cross-curriculum project relevant to their two teaching methods).

This unit of work builds upon earlier work in information and communication technology in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the teaching of their curriculum area(s) in schools. Working in their curriculum method groups, students will have the opportunity to investigate the uses of ICT in their curriculum area(s), analyse and evaluate information technologies, interfaces, software and hardware which are relevant to teaching and learning in their curriculum area(s), and work on a project which applies their knowledge and understanding of ICT, in the development and/or evaluation of ICT materials which can be used in the teaching of particular curriculum area(s). Each student is to complete a project which demonstrates their understanding of, and competence, in the application of ICT to teaching and learning in their curriculum area(s) and apply it in their technology professional experience.

Year 4 curriculum units

EDSE4021

Teaching Visual Arts 3A

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1a **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3037 Teaching Visual Arts 1A and EDSE3056 Teaching Visual Arts 2A **Assessment:** Individual program of learning for student HSC, Visual Art Body of Work

This unit will examine the nature and scope of Visual Art Education and Research both locally and internationally. The role of reflection within authentic learning contexts will receive special emphasis in the context of the Senior Creative Art Syllabus (Stage 6). Authentic, practical activities will be utilised to contextualise and ground art education processes, a specific focus will be ITC learning in the Visual Arts. Students will be introduced to the development of sequential reflective practical learning experiences for an HSC student.

EDSE4022

Teaching Visual Arts 3B

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3056 Teaching Visual Arts 2A & EDSE3057 Teaching Visual Arts 2B and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Individual program of learning for student HSC, Senior Visual Art program focusing on ITC in Art, ISE reflective report, Visual Art Body of Work.

This unit will examine the nature and scope of Visual Art Education and Research both locally and internationally. This is followed by a survey of international pedagogical models of art teaching with a special emphasis on experiential learning. The role of reflection within authentic learning contexts will receive special emphasis in the context of the Senior Creative Art syllabus (Stage 6). Authentic, practical activities will be utilised to contextualise and ground art education processes, a specific focus will be ITC learning in the Visual Arts. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences, writing lesson plans for the senior secondary school. Students will be introduced to the development of sequential reflective practical learning experiences of an HSC student.

EDSE4023

Teaching History 3

Credit points: 6 **Teacher/Coordinator:** Ms Carmel Fahey, Dr Tim Allender **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3040 Teaching History 1 and EDSE3058 Teaching History 2 **Assessment:** Assessment will be based on a class presentation, planning unit outlines and the mapping of appropriate teaching and assessment strategies

This unit aims to prepare History Curriculum students to teach the skills and understandings necessary to teach current Board of Studies senior history syllabuses. The course also explores the realities of teaching students at this level, and the various ways higher-order skills may be developed in response to the demands of the new Extension History syllabus

EDSE4024

Teaching Geography 3

Credit points: 6 **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3041 Teaching Geography 1 & EDSE3059 Teaching Geography 2 **Assessment:** Students will plan a unit of work, develop a student handout related to the Senior Geography Project, and plan a field trip, and develop an appropriate program for assessing student achievement of syllabus outcomes.

This module is designed to prepare students to teach the NSW Board of Studies Geography Syllabus Stage 6 Preliminary and HSC Courses. It will draw upon the knowledge and skills developed in Teaching Geography 1 and 2 and apply these to the topics contained in the syllabus for geography in the senior years of schooling. Program planning and the development of valid and reliable means of assessing student performance will be emphasized. Attention will be given to how student performance can be reported against predetermined standards.

EDSE4025

Teaching Drama 3

Credit points: 6 **Teacher/Coordinator:** Dr J Hughes, Dr M Anderson **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3042 Teaching Drama 1 and EDSE3060 Teaching Drama 2 plus 12 credit pts of Performance Studies **Assessment:** Assessment is based on the preparation and analysis of their own performance in a public venue and on research based on teaching of an individual project area related to the NSW HSC drama course.

This unit continues preparing students for the teaching of secondary Drama. The course seeks to extend the students' experience in performing; they will work with critical friends and mentors, collaborating with schools and other educational institutions, critically reflecting on their own and other people's work. They will continue to develop their own personal style of teaching.

EDSE4026

Teaching TESOL 3

Credit points: 6 **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3043 Teaching TESOL 1 plus EDSE3061 Teaching TESOL 2 **Assessment:** Students will choose two assessment tasks from a range that includes fieldwork study, library research and essays and materials development and class presentations

This unit of study contains four models that relate to the varied contexts of teaching TESOL. The first focus is on cross-cultural issues: multiculturalism, anti-racism and intercultural communication skills. The second unit aims to develop students' skills in understanding the systems of English and uses perspectives from both traditional and functional grammar. The third module focuses on the teaching of adults. The final module aims to develop students' professional understanding and expertise as second language educators and covers topics such as the establishment of school programs and the role of the ESL Teacher.

EDSE4027

Teaching English 3

Credit points: 6 **Teacher/Coordinator:** Dr Jacqueline Manuel. **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3044 Teaching English 1 and EDSE3062 Teaching English 2 **Assessment:** (1) A piece of work that draws together the theory and practice of teaching reading to adolescents; (2) A practical task requiring the implementation of knowledge and understanding of the Stage 4-5 and Stage 6 syllabus documents.

4. Education units of study

This unit will focus intensively on teaching literature and media in Year 7-12. It will further explore the theory and pedagogy of teaching, for example, novels, poetry, drama, film and multimedia. It will also examine the issues relevant to teaching adolescents who may be experiencing difficulties with the reading and wider literacy demands of the curriculum

EDSE4028 **Teaching Mathematics 3A**

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3045 Teaching Mathematics 1A plus EDSE3063 Teaching Mathematics 2A **Assessment:** 1. Researching and presenting a particular aspect of research in mathematics education that relates to the teaching of General Mathematics for HSC; 2. Researching and writing a paper

This unit concentrates on the new General Mathematics course which attracts half of the students in Years 11 and 12 and was first examined in the 2001 HSC. The pedagogy for this unit requires teachers to be confident in using graphic calculators and spreadsheets where required. Outcomes Based Assessment is examined in relation to its use in the new HSC. Particular aspects of mathematics education research are explored and the implications of these for teachers in classrooms is considered.

EDSE4029 **Teaching Mathematics 3B**

Credit points: 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3063 Teaching Mathematics 2A and EDSE3064 Teaching Mathematics 2B **Assessment:** 1. Researching & presenting a topic from a calculus based course that includes teaching ideas. 2. Interviewing students & teachers and writing a brief report on the findings in relation to the literature.

This unit of study focuses on the role of the mathematics teacher in the senior classroom. It is intended to provide the student with techniques for constructing rich learning environments for students in the senior years of high school in preparation for the HSC. Assessment strategies are examined closely as part of the learning experience of students, together with Board of Studies requirements for measuring and recording formative assessment tasks. Technology as a tool for teaching senior mathematics is integrated into the unit.

EDSE4030 **Teaching Languages 3A**

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3047 Teaching Languages 1A and EDSE3065 Teaching Languages 2A **Assessment:** Assessment will be based on one assignment, a unit program and reflection via written entries on an electronic Discussion Board

This unit is designed to build on curriculum unit EDSE3065 Teaching Languages 2A, to prepare pre-service teachers for, and guide them through, School Experience 2, in preparation for later Internships. Students examine wider related issues for languages education, honing skills, understandings and competencies for future employment and preparing for lifelong learning through continued participation in professional development activities. Students continue on their "journey" of reflection on languages education and prepare for a lifelong professional development in languages education.

EDSE4031 **Teaching Languages 3B**

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3047 Teaching Languages 1A and EDSE3048 Teaching Languages 1B and EDSE3065 Teaching Languages 2A and EDSE3071 Teaching Languages 2B **Corequisites:** EDSE4030 Teaching Languages 3A **Assessment:** Assessment will be based on written assignment, lesson planning and reflection via written entries on an electronic Discussion Board

This unit is designed for pre-service language teachers continuing with their curriculum method study in a second target language. The unit will continue to build pre-service language teachers' awareness, skills and understandings in languages education, and introduce them to various aspects of research within the languages education arena.

Within the specific strand, pre-service teachers will explore assessment strategies with regard to NSW Board of Studies documentation vis-a-vis their second language.

EDSE4032 **Teaching Computer Studies 3**

Credit points: 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3049 Teaching Computer Studies 1 and EDSE3066 Teaching Computer Studies 2 **Assessment:** Class presentations, report, examinations, research, program design.

The Information Technology Curriculum Framework, National Training Framework, and AQF certification procedures will be critically examined in the context of VET -Information Technology courses in schools. The notion of key competencies and criterion referenced evaluation and assessment will receive detailed attention. Sources of information including professional associations will be delineated and the nature and scope of the ICT industry will also be explored. The second major focus lies in developing skills in the design of learning environments for the VET classroom. Significant time will be given to developing team or group based approaches to learning, the workplace study, workplace assessor training, writing effective and efficient programs and units of study, and developing valid and reliable assessment tasks based on the assessment guidelines in the National Information Training Package.

EDSE4033 **Teaching Commerce/Economics 3**

Credit points: 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3050 Teaching Commerce/Economics 1 and EDSE3067 Teaching Commerce/Economics 2 **Assessment:** Students will develop a Globalisation Teaching program for Economics and Business Studies and a Legal Studies Teaching Folder including a program, teaching resources, standard referenced assessment item and a constitution lesson plan.

The two modules of a. Business Studies and Economics Year 12 Curriculum Module and b. Legal Studies Curriculum Module will prepare students to teach Legal Studies, Business Studies and Economics in stage 6. The modules in the unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of commercial and legal education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students achievement of Legal Studies, Economics and Business Studies outcomes.

EDSE4034 **Teaching Science 3 (Core)**

Credit points: 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3051 Teaching Science 1 (Core) and EDSE3068 Teaching Science 2 (Core) **Assessment:** Assessment will be based on an essay and a class presentation

The unit is designed to enable students to investigate current research in the nature of children's learning in science, contemporary science curricula, the teaching of science in the secondary school, and the relevance and impact of across-curriculum perspectives on the nature and implementation of science curricula. Each student is to investigate and report on a particular issue in science education, teaching and learning. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/methods/science>

EDSE4035 **Teaching Science 4 (Sci Hist & Phil)**

Credit points: 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1 **Classes:** 4 hours/week **Prerequisites:** EDSE3051 Teaching Science 1 (Core) and EDSE3068 Teaching Science 2 (Core) **Assessment:** Assessment will be based on an essay and a seminar presentation

This unit of study is a double method course unit. An understanding of the nature of science ought to inform beliefs, practices and policies related to science and technology education in school (and beyond). Teachers of science need to develop an awareness of the pitfalls associated with uninformed views about the history and philosophy of science, particularly as they are now required to focus on both the

history of science and the nature and practice of science in the development of teaching programs for the new school science syllabuses in NSW and in other systems' syllabuses. In this unit of study students will examine contemporary from the history, philosophy and sociology of science and their relevance to school science teaching and learning, and science curriculum design and implementation. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE4041

Teaching Science Elective (Physics)

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 4 hours/week **Prerequisites:** 12 credit points of Physics and 24 credit points of Education **Assessment:** Assessment will be based on two assignments

This unit of study is a double method Science elective which complements the common ("core") Science Curriculum courses, Science Curriculum 1 (Core) and Science Curriculum 2 (Core), taken by all science Education students in the third year of the combined degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Physics. The course outline for this unit will be placed on the Internet at [alex.edfac.usyd.edu.au/Methods/Science\(doubledegree.htm\)](http://alex.edfac.usyd.edu.au/Methods/Science(doubledegree.htm)).

Year 5 Professional Studies (compulsory units)

EDSE5008

Internship

Credit points: 6 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 1 **Classes:** 20 days in school experience/18 to 20 periods/week **Prerequisites:** 96 credit points including 52 of Education and EDSE3003 Professional Experience 1 or EDSE3055 Professional Experience 1, EDSE4036 Professional Experience 2 and EDSE4037 Professional Experience 3 **Assessment:** Assessment is based on a satisfactory report from the supervising school and the university coordinator.

This final internship is a bridge between the ending of preservice professional preparation and the first year of teaching. Under the guidance of the Mentor, Internees (Associate Teachers) will gain knowledge and experience of all facets of the role of the teacher in the school and prepare themselves as thoroughly as possible for their first year of teaching. The exact nature of the Internship for each Associate Teacher will be negotiated with the school at the time of the application to the school for Internship and subsequent interview by members of school staff

Year 5 curriculum units

EDSE5001

TESOL as a Third Teaching Area

Credit points: 12 **Session:** Semester 1 **Classes:** 6 hours/week **Prerequisites:** 144 credit points including 24 credit points from one or two of English and/or Linguistics and/or Languages other than English **Assessment:** Completion of a case study into second language acquisition and the development of teaching materials. Students will choose 2 assessment tasks from a range that includes fieldwork study, library research and essays and materials development and class presentations.

This unit of study aims to develop students' understanding of second language acquisition research and its implications for the teaching and learning of second language learners. The unit will link fieldwork with an exploration of current language education research. The unit has relevance for teaching in Australia and overseas and focuses on the development of communicative competence. The unit is closely connected with EDSE5009 TESOL Professional Experience.

EDSE5009

TESOL Professional Experience

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 12 days in school experience **Prerequisites:** 144 credit points including 52 of Education and 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English **Corequisites:** EDSE5001 **Assessment:** Students will be assessed as satisfactory or unsatisfactory in meeting the requirements of the Practicum. The criteria will include a consideration of planning based on clear principles and a sound grasp of relevant content; preparation taking into account the demands of the syllabus and the nature of the students.

This unit of study will link fieldwork in schools and intensive language centres with an exploration of current language education research. Students will develop skills in linking their assessment of the abilities and needs of teenage and adult learners of English with programming. This unit aims to develop students' professional understanding and expertise as second language educators. It has relevance for teaching in Australia and overseas and focuses on the development of communicative competence.

EDSE5010

Meeting the Needs of Cultural Diversity

Credit points: 12 **Session:** Semester 1 **Classes:** 12 hours/week **Prerequisites:** 96 credit points including 52 credit points of Education **Assessment:** Assessment will be based on field reports from working with students and communities (3000 words 33%) a report on teaching tasks in partnership schools and learning centres (3000 words 33%) and in embedding culturally responsive pedagogy and curriculum resources in existing subject teaching programs (3000 words 34%).

This unit of study will focus on a range of culturally specific teaching and learning strategies aimed at increasing the ability of students to engage and motivate school students from diverse cultures, particularly Pasifika Australia. The course will involve exploring some of the major issues confronting teachers, schools, communities and involve interaction with appropriate communities as a precursor to working with school students in a range of culturally appropriate settings. The course will involve working with resource staff from the Faculty's partnership regions and schools. The course is also designed as an orientation to possible internships in distant locations.

EDGU2000

Teaching English Internationally 1

Credit points: 6 **Teacher/Coordinator:** Dr John Hughes **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 96 credit points including 52 credit points of Education **Assessment:** 1 hour exam, seminar presentation 1,000 words, discussion room 1000-words, unit of study 1000 words.

The rapid expansion of English as a global language has led to a demand for graduates across a range of disciplines to have skills and expertise in English language teaching. This unit aims to introduce theory, concepts and practices in teaching English. The unit will focus on developing participants' knowledge and understanding of English language teaching and learning to international students in Australia and in primary, secondary and tertiary contexts overseas. The unit will develop understanding of second language learning and intercultural skills. It requires an interest in but not a specific background in teaching and languages.

EDGU3000

Teaching English Internationally 2

Credit points: 6 **Teacher/Coordinator:** Dr John Hughes **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 96 credit points including 52 credit points of Education **Assessment:** 1 hour exam, seminar presentation 2000 words and essay 1,000 words.

The rapid expansion of English as a global language has led to a demand for graduates across a range of disciplines to have and understanding of international Englishes and expertise in English language teaching. This unit aims to extend participants' knowledge and understanding of English language teaching and learning to international students in Australia and in primary, secondary and tertiary contexts overseas. The unit will develop understandings of systems of English grammar, testing and assessment in TESOL and curriculum development and evaluation. It requires an interest in but not a specific background in teaching and languages.

EDBT5000

International Curriculum

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Bagnall **Session:** Semester 1, Semester 2 **Classes:** 36 hours: 4 hours/week for 9 weeks **Corequisites:** EDGU2000 Teaching English Internationally 1 and EDGU3000 Teaching English Internationally 2 **Assessment:** Assessment will be based on three assignments: (i) a 3000 word curriculum-focused activity, (ii) peer critique/reflection and workshop paper, including workshop participation and (iii) presentation, based on a planned lesson.

Note: Only available to BTeach students in Semester Two. Only available to BEd combined degree secondary undergraduate students in Semester One.

This unit of study is designed to meet the needs of prospective teachers of internationally recognised senior secondary school curriculum particularly the International Baccalaureate, and those who aspire to teach in educational jurisdictions outside Australia. The unit is designed to enable students to develop a knowledge and understanding of: the nature and role of international curricula in the education of secondary school children; international benchmarks in secondary school education; the role of the International Baccalaureate in secondary education in Australia and internationally, teaching and learning for the International Baccalaureate (IB) and other international curricula including Advanced Placement (AP) and Scholastic Aptitude Test (SAT), assessment and evaluation for the International Baccalaureate.

Secondary: BEd/BA(Psych), BEd/BSc(Psych)

Year 3 Professional Studies (compulsory units)

EDSP3001

Teaching Practicum 1

Credit points: 2 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 2 **Classes:** 10 days in school experience **Prerequisites:** 48 credit points including 18 credit points of Education and EDSP3002 Teaching and Learning (Psychology) **Assessment:** Evaluation will be through completion of a satisfactory report. **Practical field work:** 20 days

This unit will include a range of professional experiences in schools and other learning contexts - e.g. observing, acting as a teacher's aide, teaching in a classroom and participating in wider school and community activities.

EDSP3002

Teaching and Learning (Psychology)

Credit points: 4 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 2 hours/week **Prerequisites:** 48 credit points including 18 credit points of Education and 24 credit points of Psychology **Assessment:** Classroom presentation (25%) Reflective essay on best practice (50%) Journal reflections (25%).

This unit aims to facilitate an understanding of the knowledge base and professional practices used by expert teachers. It inducts beginning teachers into these practices through the use of reflection, observation, mastery of skills, and knowledge of the teaching profession

Year 4 Professional Studies (compulsory units)

EDSP4001

Psychological and Educational Assessment

Credit points: 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate and Senior Psychology units; EDSP2001, EDSP3002. **Assessment:** Two protocols and reports (40%); Summative exam (60%)

This unit introduces the student to the principles of assessing children and the topic of intelligence. Various models of intelligence are studied within an historical framework, including the development of instruments for measuring intelligence. The relationship between models of intelligence and cognitive assessment techniques is discussed, with particular emphasis placed on the critical evaluation of commonly used individually administered intelligence tests. The difference between testing and assessment is discussed, and the multiplicity of factors contributing to successful assessment is emphasised. The principles of standardised testing and the application of competent, ethical, professional use of intelligence tests are taught using current tools such as the Wechsler Scales and the Stanford Binet (5th Edition). The psychometric properties of tests are examined. The appropriateness of the assessment of specific groups such as young, developmentally young and culturally different children is

critically evaluated. Supervised practice of key tests of intelligence is organised in small group workshop sessions. Competency is expected in the administration and scoring of key IQ tests and in the writing of assessable reports.

EDSP4002

Behaviour Assessment and Interventions

Credit points: 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a credit average in each of Intermediate & Senior Psychology units; EDSP2001, EDSP4001. **Assessment:** Seminar presentation and paper (60%); Case study (40%)

The assessment of behaviour problems, both externalising and internalising, is introduced as it applies to children and young people in educational and home settings. Links between the theories, description and classification of problem behaviour and DET practice in NSW will be highlighted. Appropriate strategies for the assessment of behaviour and mental health problems, programming for behaviour management and mental health support strategies, and the evaluation of intervention programs are discussed as they apply to the educational and other environments in which School Counsellors work. Alternative settings for individuals with behaviour and mental health difficulties are studied and critically evaluated.

EDSP4003

Counselling Practicum 2

Credit points: 2 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 20 days school counselling experience in schools. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate and Senior Psychology units; EDSP2001. **Corequisites:** EDSP4004 Teaching Practicum 2 **Assessment:** Students will continue to develop a counselling portfolio covering more final performance outcomes due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. The grading will be on a Satisfactory or Unsatisfactory basis.

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 2 focuses on the application of assessment skills including test administration and report writing.

EDSP4004

Teaching Practicum 2

Credit points: 4 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 2 **Classes:** 20 days in school experience **Prerequisites:** 48 credit points including 18 credit points of Education, EDSP3001 and One of the following: EDSE4021, 4023, 4025, 4026, 4027, 4028, 4030, 4034, **Corequisites:** EDSP4003 Counselling Practicum 2 **Assessment:** Pass/Fail

Professional experience is a core part of the professional preparation of teachers. It provides students with opportunities to develop their teaching skills and professional understandings. It is a pivotal opportunity for beginning teachers to experiment and to implement a wide range of strategies and pedagogy that they have acquired during their university-based courses. This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession. This unit of study is the second school experience in the program. In this unit of study, students have a more extended period of time in a school, and begin to assume a greater awareness of the diversity of students in their classes. They will be expected to be more aware of the community beyond the school.

Year 5 Professional Studies (compulsory units)

EDSP5001

Counselling Children and Adolescents

Credit points: 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education **Assessment:** Case Study Value: 50% 2500 words Seminar

Presentation Value: 50% Handout Paper 1000 words, plus key reference. Presentation, 60 minutes

This unit of study is designed to introduce the students to issues and concepts related to counselling children and adolescents within the school setting. The focus will be on accurate assessment of the concerns and the development of intervention plans appropriate for the educational environment.

EDSP5002

Issues in School Counselling

Credit points: 4 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 1 lecture 1 hour for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education. **Assessment:** 1. Test Review Presentation and Summary Paper (1000 words) 30%; 2. Major Case Study (2000 words) with a primary aged child with academic difficulties 50%; 3. Participation in casework discussions focused on a child case brought forward (not the case study)

This unit of study focuses on ethical and professional skills for school counselling and to provide them with an overview of the key issues for school counsellors working in primary school settings.

EDSP5003

Counselling Practicum 3

Credit points: 2 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 12 days school counselling experience in NSW DET schools, typically as one day per week attendance, but may include a five day period as a block of country/rural practicum. **Prerequisites:** Completed major in Psychology with a credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education **Assessment:** : Students will have developed a school counselling portfolio covering final performance outcomes due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. The final overall grading will be on a Satisfactory or Unsatisfactory basis, including ratings from the field supervising counsellor and a university supervising counsellor, and the satisfactory completion of a logbook and portfolio items covering the final outcomes listed in Practicum 4.

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 3 focuses on working as a school counsellor under supervision of university staff and school counsellors. The role of the school counsellor includes counselling children and adolescents with problems, assessing children and adolescents with problems, and developing intervention programs for those with learning and behaviour challenges, liaising with teachers to enhance the classroom learning environment, and developing preventative programs for students at risk. This practicum will include a counselling/therapeutic case study.

EDSP5004

Counselling Practicum 4

Credit points: 4 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 10 days school counselling experience in NSW DET schools, typically as one day per week attendance. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education. **Assessment:** Students will have developed a school counselling portfolio covering final performance outcomes, fully specified in documentation provided to each student and supervisor, due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. This practicum is four credit points as it will include a final and full write-up incorporating all four Counselling Practicums in the form of a portfolio, in terms of achievement of final outcomes as specified. The final overall grading will be on a Satisfactory or Unsatisfactory basis, including ratings from the field supervising counsellor and a university supervising counsellor, and the satisfactory completion of a logbook and portfolio items covering the final outcomes listed in Practicum 4.

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 4 focuses particularly on professional and ethical issues in working as a school counsellor, under supervision of university staff and school counsellors. The role of the school counsellor includes counselling children and adolescents with problems, assessing children and adolescents with problems, and developing intervention programs for those with learning and behaviour challenges, liaising with teachers to enhance the classroom learning environment, and developing preventative

programs for students at risk. This practicum will include a case study, focussed on establishing an intervention program for a child experiencing academic difficulties.

BEd (Secondary: Human Movement and Health Education)

Year 1 Curriculum and Professional Studies

EDUH1001

Foundations of PDHPE

Credit points: 6 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 3 hours/week for 12 weeks **Assessment:** 2000 word Essay, 2000 word Seminar and 2 hour Examination.

This unit of study will examine the philosophical, historical, psychological, sociological, and pedagogical contexts that influence the PDHPE KLA. An understanding of these contexts will enhance students' appreciation of their role as teachers of PDHPE.

EDUH1004

Physical Education Pedagogy 1

Credit points: 6 **Teacher/Coordinator:** Dr Tracy Rockwell **Session:** Semester 2 **Classes:** 36 hours 3 hours per week for 12 weeks **Assessment:** Dance: Peer teaching, (20%), Practical skills checklist (15%); Fundamental movement skills: assignment (2000 words) 30%; Aquatics: Examination (20%) and Profile of Aquatic Website (15%)

Physical education is an integral part of the PDHPE key learning area. This unit of study is the first of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in dance, aquatics and fundamental movement skills (FMS). Teaching experience will provide both peer teaching and microteaching at a local primary school

EDUH1016

Human Bioscience

Credit points: 6 **Session:** Semester 2 **Classes:** 2 lectures, 1 session independent study, 3 prac/week. **Prohibitions:** BIOL1003, BIOL1903 **Assessment:** One 2hr exam, assignments, classwork

The aim of this unit of study will introduce students to human evolution and genetics, and human structure and function as they apply to future professionals involved in physical education and health education and sport. The unit of study begins with human evolution, human population dynamics and the impact of people on the environment. It includes nutrition, distribution of essential requirements to and from the cells, control of body functions and defence mechanisms. After discussions of reproduction and development it concludes with some controversial aspects of human genetics. This unit of study is offered by staff in the School of Biological Sciences, Faculty of Science.

Textbooks

Seeley, R., Stephens, T.D. & Tate, P. (1999) Essentials of Human Anatomy and Physiology, McGraw Hill Book Company, (Australia), Pty Ltd. Plus - Chapters 19, 20 and 21 from Benjamin C.L., Garman G.R. and Funston J.H. (1997) Human Biology, McGraw-Hill, which will be produced and shrink-wrapped with Seeley, et al.

EDUH1017

Sports Mechanics

Credit points: 6 **Session:** Semester 1 **Classes:** two 1hr lectures, one 2hr tutorial, one 2hr practical. **Prohibitions:** PHYS1001, PHYS1002, PHYS1901 **Assumed knowledge:** No assumed knowledge of Physics **Assessment:** laboratory (20%), report (10%), assignments (5%), progressive test (5%), final exam (60%).

This unit of study at Junior level is designed specifically for BEd(Secondary)(Human Movement and Health Education) students to provide basic knowledge and understanding of concepts in mechanics in preparation for EDUF3013 (Biomechanics). It is presented with a minimum level of mathematics and the mechanics concepts discussed are illustrated with examples from sporting activities. This unit of study is offered by staff in the School of Physics, Faculty of Science.

Textbooks

Recommended references:

Ellen Kreighbaum & Kathy Barthels, Biomechanics: A Qualitative Approach for Studying Human Movement, 4th Edn, Macmillan, New York 1996
Griffing, The Dynamics of Sports 4th Edn, Dalog Company, Ohio, USA, 1995.
Hay, J. The Biomechanics of Sports Techniques, 4th edn, Prentice Hall, New Jersey, 1993.

Year 2 Curriculum and Professional Studies

EDUH2001

Applied Anatomy and Physiology

Credit points: 4 **Teacher/Coordinator:** Dr Tracy Rockwell **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUH1016 Human Bioscience **Assessment:** Midsemester (40%) and final (40%) examinations, seminar presentation (20%)

This unit of study will enable students to apply the knowledge and understandings of anatomy and physiology, one of the biophysical foundations of human movement and health education, covered in the unit EDUH1016 Human Bioscience to the PDHPE key learning area. A sound understanding of anatomy and physiology enables the comprehension of humans as living, functioning, homeostatic organisms as well as the intricate processes on which the survival of humans depend and its application to a variety of situations related to human movement and health education.

EDUH2005

Determinants of Health

Credit points: 4 **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 36 credit points including 12 credit points from Education **Assessment:** Seminar presentation (45%), Unit outline and lesson plans (35%), Essay (20%).

This unit of study will be the first of four that will examine health issues relevant to today's society. It will provide both the content and processes for teaching Health Education as part of the PDHPE key learning area. This unit will address the areas of social determinants of health, health and lifestyle, disease processes, nutrition, and safety.

EDUH2008

Outdoor Education

Credit points: 4 **Teacher/Coordinator:** Dr Tracy Rockwell **Session:** Semester 2 **Classes:** 24 hours:8 hours lectures; 16 hours Residential Camp **Prerequisites:** 36 junior credit points including 12 from Education. **Assessment:** Examination (50%), Group Report (30%), Group Presentation (20%).

This unit of study is an introduction into the field of recreation and leisure from the viewpoint of the individual and investigates various societal agencies as providers of leisure services. Students will develop an understanding of the historical, philosophical, and theoretical contexts that underpin the place of outdoor education in Australian settings. The role of schools as providers of experiences in outdoor education will be examined as will public and private providers of leisure experiences for community members.

EDUH2009

Physical Education Pedagogy 2

Credit points: 6 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 36 hours; 3 hours per week for 12 weeks **Prerequisites:** 36 credit points including EDUH1003 Practical Studies in PE 1 **Assessment:** Essay (20%), Teaching resource (15%), competency test (pass/fail), exam (30%), group work (20%), unit outline (15%).

Physical education is an integral part of the PDHPE key learning area. This unit of study is the second of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the

safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in gymnastics, games sense and football/hockey.

EDUH2010

Professional Experiences in PDHPE 1

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 36 hours, 3 hours per week plus a four-week block of teaching practice **Prerequisites:** 36 junior credit points including 12 from Education. **Assessment:** Unit of work (45%), Critical analysis (25%), Reflection (20%), Précis (10%) Teaching practice (Pass/Fail)

This unit is the first of three that will examine curriculum design, learning and teaching from Kindergarten to Year 12 in the PDHPE Key Learning Area (KLA). It will concentrate on the PDHPE (KLA) in the primary school. It provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. Students will undertake a four-week block of teaching practice in primary schools as a part of this unit of study. They will be expected to take an active role as a member of a learning community by planning, implementing and reflecting on units of work relevant to the age and stage of development of pupils in Stages 1-3. Both self-reflection and review by the cooperating teacher and/or tertiary supervisor will enable students to develop their teaching skills during the teaching practice experience

Year 3 Curriculum and Professional Studies

EDUH3004

Psychosocial Health Issues

Credit points: 4 **Teacher/Coordinator:** Dr Jenny O'Dea **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 60 credit points including EDUH2005 Determinants of Health **Assessment:** Seminar presentation (50%); Essay (50%)

This unit is the second of four that will examine health issues relevant to today's society. It will provide both the content and process of Health Education as part of the PDHPE key learning area. This unit will address the areas of personal awareness, interpersonal skills, lifespan development, mental health and social health.

EDUH3007

Professional Experiences in PDHPE 2

Credit points: 6 **Session:** Semester 1 **Classes:** 36 hours, 3 hours/week plus a four-week block of teaching practice **Prerequisites:** 60 credit points including one of EDUH2006 Teaching & Learning in PDHPE or EDUH2027 Teaching & Learning in PDHPE 1 and one of EDUH2003 School Experience or EDUH2028 School Experience 1 **Assessment:** Unit of work (35%), Critical review (35%), Learning activity review (20%), Overview (10%), Teaching practice (Pass/Fail).

This unit is the second of three that will examine curriculum design, learning and teaching from Kindergarten to Year 12 in the PDHPE Key Learning Area (KLA). It will concentrate on the PDHPE (KLA) in the junior high school. It provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. Students will undertake a four-week block of teaching practice in secondary schools as a part of this unit of study. They will be expected to take an active role as a member of a learning community by planning, implementing and reflecting on units of work relevant to the age and stage of development of pupils in Stages 4 and 5. Both self-reflection and review by the cooperating teacher and/or tertiary supervisor will enable students to build on the teaching skills develop during their previous professional experience block.

EDUH3008

Physical Education Pedagogy 3

Credit points: 4 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 60 credit

points including EDUH2006 Practical Studies in PE 2 **Assessment:** Peer teaching, (50%), Unit outline (50%).

Physical education is an integral part of the PDHPE key learning area. This unit of study is the first of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in dance, target games, net/wall games.

EDUH3009

Physical Education Pedagogy 4

Credit points: 6 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 2 **Classes:** 36 hours: 3 hours/week for 12 weeks **Prerequisites:** 60 credit points including EDUH2006 Practical Studies in PE 2 and EDUH3001 Practical Studies in PE 3 **Assessment:** Peer teaching ICT and written assignment, (35%), peer teaching and lesson planning (35%), essay (30%).

Physical education is an integral part of the PDHPE key learning area. This unit of study is the fourth of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in track and field, gymnastics, striking games and court invasion games for primary and secondary school students

EDUH3014

Assessment and Evaluation in PDHPE

Credit points: 4 **Teacher/Coordinator:** TBA **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 60 credit points including EDUH2007 or EDUH2027, Teaching and Learning in PDHPE **Assessment:** Assessment will be in the form of a seminar presentation an assignment and an exam.

This unit is designed to provide students with the knowledge, understanding and skills to effectively conduct assessment and evaluation as integral parts of PDHPE and sport. There have been significant changes to assessment and evaluation requirements in secondary schools in NSW. Teachers are required to be more accountable for the learning outcomes of students. Practical application of assessment for learning and of learning and evaluation as they relate to the PDHPE key learning area in high schools will be examined as will the construction and implementation of both theory and practical assessment tasks

EDUH3028

Adolescent Health Issues

Credit points: 6 **Teacher/Coordinator:** Dr Jenny O'Dea **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 40 credit points of professional studies in HMHE including EDUH2005 Determinants of Health. **Assessment:** Seminar presentation or unit outline and lesson plans (50%); Exam (50%)

This unit is the third of four that will examine health issues relevant to today's society. It will provide both the content and process of Health Education as part of the PDHPE key learning area. This unit will address the areas of adolescent health, drug use, sexuality and resilience, connectedness and protective behaviours.

Year 4 Curriculum and Professional Studies

EDUH4002

Physical Education Pedagogy 5

Credit points: 6 **Teacher/Coordinator:** Dr Richard Light **Session:** Semester 1 **Classes:** 36 hours: 3 hours/week for 12 weeks **Prerequisites:** 60 credit points of professional studies in HMHE **Assessment:** One 2000 word essay on life-long physical activity, group lessons plans, assessment and 2000 word evaluation of microteaching experience.

Physical Education and Sport Pedagogy 5 focuses on student-centred, inquiry-based approaches to teaching and learning games, sport and life-long leisure pursuits. Students will further develop their understanding of Game Sense and similar problem-solving, discovery approaches to teaching in games, sport and leisure activities and apply them in practical workshops. Students will study issues involved in the in the promotion of life-long active life styles and strategies for encouraging attachment to physical activity that can be initiated in schools and community settings. The leisure activities workshops may include those such as pilates, yoga, martial arts, initiative games and junior surf life saving. The games and sport component of the unit will include practical workshops at university and microteaching experience at a local school.

EDUH4048

Professional Experiences in PDHPE 3

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours/week for 12 weeks and 20 days in school experience **Prerequisites:** 60 credit points of professional studies in HMHE including EDUH3006 and either EDUH2007 or EDUH2027. **Assessment:** Unit of work (40%), Seminar presentation (40%), Portfolio (20%), Teaching practice (Pass/Fail).

This unit builds on the introduction to fundamental teaching skills and curriculum design in the PDHPE Key Learning Area (KLA) with particular reference to primary and junior secondary schools. It will concentrate on the PDHPE (KLA) in the senior high school. It provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. Students will undertake a four week block of teaching practice in high schools as a part of this unit of study. They will be expected to take an active role as a member of a learning community by planning, implementing and reflecting on units of work relevant to the age and stage of development of pupils in Years 7 - 12. Both self-reflection and review by the cooperating teacher will enable students to build on the teaching skills developed during previous teaching practice experiences.

EDUH4050

Sports Medicine

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 60 credit points of professional studies in HMHE **Assessment:** Midsemester exam (30%), Injury report (30%), Final Exam (40%).

This unit will introduce students to the pathology, diagnosis and management of injuries commonly sustained during sporting activities. It will assist students to understand their role and the role of various health professionals in recognising and managing sport related injuries. It will also examine ethical issues related to sports medicine.

EDUH4051

Community Health Issues

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 60 credit points of professional studies in HMHE including either EDUH3005 or EDUH3028 **Assessment:** Seminar presentation or unit of work and lessons (50%), examination (50%).

It has been suggested that many of the health-related problems inherent in Australia today are related to humans as social beings, the types of lifestyles individuals lead and their interactions with others. While the ultimate responsibility for health rests with individuals, many factors affect health including environment, life stage and skills. However, there are a number of skills that individuals can learn and incorporate into the way they live as they grow and develop. In this unit students will study issues related to health consumerism,

community health and global health as well as their roles in health education and health promotion in schools.

Year 4 options

EDUH4052

Learning in Outdoor Education

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1, Semester 2, Summer Late, Winter Main **Classes:** 2 hours/week for 9 weeks plus field trips **Prerequisites:** 60 credit points of professional studies in HMHE **Assessment:** Two 1500 word essays and a 2000 word essay.

Note: Department permission required for enrolment.

Learning in Outdoor Education examines contemporary theories of learning with a focus on experience and engagement of the body in learning about and within natural environments. In particular, it highlights the differences between learning about the natural environment in the classroom or lecture theatre and the depth and range of interrelated social, cognitive, physical and affective learning that is possible in it. Students will learn about places of natural significance and theories of experiential learning in lectures which is followed by first hand experiences of the places being studied through a two-day field trip and a three-day field trip in uniquely Australian landscapes within NSW. While this unit of study will develop student knowledge and understanding of specific areas of natural significance in NSW it focuses on the nature of learning that takes place through first hand experiences of them. Through this approach students will come to understand and know these places through two different modes of learning that they analyse through the application of educational learning theory

EDUH4053

Indigenous Sport, Education and Culture

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1, Semester 2, Winter Main **Classes:** 2 hours/week for 11 weeks plus field trip **Prerequisites:** 60 credit points of professional studies in HMHE **Assessment:** One seminar presentation on indigenous education issues, one 1500 word field trip report and a 2500 word reflective essay based on field trips.

Note: Department permission required for enrolment.

Indigenous Sport, Education and Culture will provide students with a socially critical perspective on indigenous people's participation in sport and education as dynamic aspects of society and the ways in which this positions them in Australian society. This unit of study examines the ways in which sport and education are tied into the reproduction of social, economic and health disadvantage for Indigenous Australians. While sport plays a part in the reproduction of disadvantage it is also a highly visible area in which indigenous people have excelled in Australia. This unit of study also examines the ways in which sport can be, and has been, used to address indigenous disadvantage in contemporary Australian society. These issues are studied within the context of the history of white Australia as viewed from the perspective of indigenous Australians. The unit of study provides students with first-hand experiences of indigenous culture and issues examined through the provision of field trips. Informed by lectures and unit readings, the field trips make an invaluable contribution to a learning journey over the semester.

EDUH4054

Issues in Nutrition Education

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer O'Dea **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 60 credit points of professional studies in HMHE **Assessment:** Either develop lesson plans or presentation of a case study (50%), examination (50%).

Note: Department permission required for enrolment.

This unit of study will provide health educators with a sound knowledge of issues in nutrition and educational strategies for implementation of nutrition education in the secondary classroom. Content includes special nutritional requirements of infants, adolescents, women, vegetarians, athletes, nutrition education strategies, dietary supplements, food faddism, diets, food labelling.

EDUH4055

Fitness Training: Theory and Practice

Credit points: 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** Semester 1 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Designing and implementing a 6 week training program (60%), debate (25%), quizzes (15%).

Note: Department permission required for enrolment.

This unit is designed to provide the skills and knowledge necessary for effective construction and implementation of training programs for health benefits and to improve performance. Emphasis will be on the knowledge and practical understanding of different training methods and their physiological adaptations. At the completion of this unit it is hoped that students are more confident and knowledgeable in this content area, understand the vital link between theory and practice and value the need for them to be research informed teachers.

EDUH4056

Recreation Leadership and Management

Credit points: 6 **Teacher/Coordinator:** Dr Tracy Rockwell **Session:** Semester 1 **Classes:** 16 hours of lectures and a 20 hour excursion. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Leadership competencies (40%), Field Trip Planning Project (60%).

Note: Department permission required for enrolment.

The natural environment plays a significant role in the experiences of many Australians. This unit of study will provide opportunities for students to develop skills in outdoor education settings. Comparisons of the roles of teachers and outdoor education leaders will be made by studying specific skills that extend and enhance the learning environment beyond the classroom. Students will have the opportunity to apply theory to first hand experiences with people, places and things in an outdoor setting.

EDUH4057

Administration of PDHPE and Sport

Credit points: 6 **Teacher/Coordinator:** Dr Tracy Rockwell **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Research poster project (30%), Group project presentation (30%), Exam (30%), Resource folder (10%).

Note: Department permission required for enrolment.

This unit of study is designed to examine the principles of administration and administrative techniques and procedures appropriate for PDHPE and sport in schools. The unit of study will move from a base of administrative theory to precise issues and skills required for administering programs and projects in both school and community settings

EDUH4058

Sport and Learning in Australian Culture

Credit points: 6 **Teacher/Coordinator:** Dr Richard Light **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week for 11 weeks plus field trips **Prerequisites:** 40 credit points **Assessment:** Two analytic field trip reports of 1000 words and one final research essay of 3000 words.

Note: Department permission required for enrolment.

Meaningful educational experiences involve learning that effects a lasting change and involves some degree of personal transformation. As Dewey suggests learning and the realization of our humanity arises, not from any direct teaching but from the learning environment and the stimulation that it generates. This subject is structured around the provision of students' first hand experiences of Australian sport culture ranging from school and community-based sport to commercial, commodified sport played at the highest levels. Lectures and the provision of relevant readings are structured around these experiences to help them interpret, make sense of the subject content in a meaningful and relevant way. The provision of experience of Australian sport culture, its culture-specific meanings and practices informed by a socially critical examination of sport and its impact constitutes a holistic approach to learning about sport in a setting that is culturally distinct from that of backgrounds of most students who will undertake the course. While it will provide understanding of a new cultural context it will also encourage a more socially critical view of sport in their own

societies, an understanding of global forces in sport and their impact on local cultures.

BEd (Secondary: Design and Technology)

Year 4 Professional Studies (compulsory units)

EDDT4001

Teaching and Learning 2 (D & T)

Credit points: 8 **Session:** Semester 1 **Classes:** 3 hours per week
Prerequisites: EDDT2007 Teaching and Learning 1 (D&T) or EDSE3002 Craft Knowledge & Professional Practice 1 **Assessment:** Seminar presentation, participation in website discussion and a written assignment, (2000 words).

This unit of study also continues the development of reflective practice in teaching. Students will critically assess important research literature dealing with reflection and will also examine pedagogic theory and research in curriculum planning as it relates to a developing teacher's practice. Students will identify and analyse the beliefs, perceptions and decision making processes that underpin their planning and implementation processes. Students will also consider a number of issues important to the commencement of work in the teaching profession, such as curriculum evaluation, innovation and change. Emerging priorities in the ethics of teaching and related legal implications will be examined in detail. The unit of study will explore how beginning teachers might be inducted into the profession and their ongoing professional learning.

EDDT4003

Teaching Technology 3A

Credit points: 2 **Teacher/Coordinator:** Nigel Goodwin **Session:** Semester 1 **Classes:** 1 hour/week **Prerequisites:** EDDT2005 Teaching Technology 1A, EDDT2006 Teaching Technology 1B, EDDT3003 Teaching Technology 2A and EDDT3004 Teaching Technology 2B. **Assessment:** Practical projects, class presentations, essay, examinations.

This unit focuses attention on the senior secondary school syllabi especially Design and Technology 11-12 and Industrial Technologies; JSST and CEC courses; and on education for capability. Current policy and welfare documents are critically examined and integrated with an emerging personal philosophy in Technology Education developed by each student. Procedures for catering for gifted and talented students will be investigated and evaluated. Authentic, practical activities will be utilised to contextualise and ground technology education processes. The use of Information and Communication Technologies as tool and learning partner in the Design and Technology classroom will also receive consideration.

EDDT4004

Teaching Technology 3B

Credit points: 2 **Teacher/Coordinator:** Nigel Goodwin **Session:** Semester 2 **Classes:** 1 hour/week **Prerequisites:** EDDT2005, 2006 Teaching Technology 1A & 1B and EDDT3003, 3004 Teaching Technology 2A & 2B and EDDT4003 Teaching Technology 3A **Assessment:** Practical projects, class presentations, essay, examinations.

In this unit issues to be explored include facilitating reflection in learning, creative behaviour, encouraging the transfer of learning, team approaches to design, and developing design-based approaches to learning. Developing the design folio as part of Design and Technology 11-12 will receive major coverage. Managing Technological and Applied Studies departments, budgeting programs, and encouraging innovation and enterprise will also be examined in the context of a lifelong approach to learning.

EDDT4014

Graduating Design Project

Credit points: 10 **Teacher/Coordinator:** Co-operating teachers and University staff **Session:** Semester 2 **Classes:** 5 hours/week **Prerequisites:** 72 credit points of Design and Technology Education Units **Assessment:** Folio and project, Viva

The Graduation Design Project seeks to engage students in solving authentic problems in their chosen field using practical and theoretical. The outcome is a project that integrates knowledge accumulated and

developed during their period of candidature and a folio which provides evidence of their designing, planning, making and evaluating activities during the project.

EDDT4015

Professional Experience B

Credit points: 2 **Teacher/Coordinator:** Dr Lesley Scanlon **Session:** Semester 2 **Classes:** 2 hours/week **Prerequisites:** EDDT3005 Professional Experience A **Assessment:** Successful completion of teaching

During their professional experience, students will involve themselves in a wide range of across-school and local community activities in addition to planning and implementing classroom activities. They will link lessons sequentially and critically reflect on both their own teaching and children's responses. Lessons will reflect consideration of children's learning needs and of educational pathways

Year 4 curriculum units

EDDT4005

Food Science 3

Credit points: 3 **Teacher/Coordinator:** Ian Stevens **Session:** Semester 1 **Classes:** 3 hours/week **Prerequisites:** EDDT2003 Food Science 1 and EDDT2004 Food Science 2 **Assessment:** Seminars, practical projects, assignments and class tests.

The content in this unit will build on and extend the information covered in Food Science 1A and 1B. Topics covered will involve more detailed investigation of various Australian Food Industries (eg. dairy, fishing, grain, meat eggs and vegetables), the factors that affect food selection, food law and regulation, and the global food trade. This unit further addresses the extended content needs of students who may wish to teach years 7-12 Food Technology in NSW Schools

EDDT4006

Food Science 4

Credit points: 3 **Teacher/Coordinator:** Ian Stevens **Session:** Semester 2 **Classes:** 3 hours/week **Prerequisites:** EDDT2003 Food Science 1, EDDT2004 Food Science 2 and EDDT4005 Food Science 3. **Assessment:** Seminars, practical projects, assignments and class tests.

The content in this unit will build on and extend the information covered in Food Science 1A and 1B. Topics covered will involve more detailed investigation of various Australian Food Industries (eg. dairy, fishing, grain, meat eggs and vegetables), the factors that affect food selection, food law and regulation, and the global food trade. This unit further addresses the extended content needs of students who may wish to teach years 7-12 Food Technology in NSW Schools

EDDT4007

Software Design & Development 1

Credit points: 3 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 2 hours/week **Assessment:** Practical tasks, group work, written examination.

As a natural complement to the unit Information Processes and Technology, this unit will focus on the knowledge and skills necessary to design and develop software solutions. Participants will consider the principles identified in the Software Design and Development Unit when developing small software solutions. Important components of this unit will be participants' involvement in expressing solutions to problems using algorithmic description methods, implementation and testing of solutions using programming languages and consideration of human factors in software design. Participants will program in the imperative programming paradigm.

EDDT4008

Software Design & Development 2

Credit points: 3 **Teacher/Coordinator:** Visiting lecturers and sessional staff **Session:** Semester 2 **Classes:** 2 hours/week **Prerequisites:** EDDT4007 Software Design and Development 1 **Assessment:** Practical tasks, group work, written examination

This unit develops and extends material examined in Software Design and Development 1. Special emphasis shall be given to expressing solutions to problems using algorithmic description methods,

implementing and testing solutions using programming languages and consideration of human factors in software design. Participants study the alternative programming paradigms that appear in the HSC level SDD syllabus, developing skills to recognise the features of each paradigm.

EDDT4009

Teaching Tech (VET - IT) 1

Credit points: 3 **Teacher/Coordinator:** Nigel Goodwin, Visiting lecturers. **Session:** Semester 1 **Classes:** 1 hour/week **Prerequisites:** EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B **Assessment:** Class presentations, report, examinations.

This unit seeks to develop awareness of the nature and focus of VET (Information Technology) courses in schools. The Information Technology Curriculum framework, National Training Framework, and AQF certification procedures will be critically examined. The notion of key competencies and criterion referenced evaluation and assessment will receive detailed attention. Sources of information including professional associations will be delineated and the nature and scope of the ICT industry will also be explored.

EDDT4010

Teaching Tech (VET - IT) 2

Credit points: 3 **Teacher/Coordinator:** Nigel Goodwin, visiting lecturers. **Session:** Semester 2 **Classes:** 1 hour/week **Prerequisites:** EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4009 Teaching Tech (VET-IT) **Assessment:** Class presentations, research, program design, examinations

This course extends and develops the materials studied in Teaching Technology -VET (Information Technology) 1 by focussing on the design of learning environments for the VET classroom. Significant time will be given to developing team or group based approaches to learning, the workplace study, writing effective and efficient programs and units of study, and developing valid and reliable assessment tasks based on the assessment guidelines in the National Information Training Package. A range of dedicated training modules on Assessment and Workplace Training conforming to the requirements of BSZ98 and reflecting the competencies listed in that standard is incorporated in the unit of study

EDDT4011

Teaching Tech (VET - Hosp) 1

Credit points: 3 **Teacher/Coordinator:** Ian Stevens **Session:** Semester 1 **Classes:** 1 hour/week **Prerequisites:** EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B **Assessment:** Practical reports, class presentations, seminars

The unit develops knowledge, ideas and skills that relate specifically to VET courses in programming, unit development, safety and hygiene issues, resource management (including ordering and storing), behaviour management in a food classroom, development of reporting and assessment mechanisms for VET (Hospitality). This course also addresses that place of VET in schools and its history, the Australian Qualifications Framework (AQF), industry placement and the nature of competency based courses. A dedicated training module on Assessment and Workplace Training conforming to the requirements of BSZ98 and reflecting the competencies listed in that standard is incorporated in the unit of study.

EDDT4012

Teaching Tech (VET - Hosp) 2

Credit points: 3 **Teacher/Coordinator:** Ian Stevens **Session:** Semester 2 **Classes:** 1 hour/week **Prerequisites:** EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B and EDDT4011 Teaching Tech (VET-Hosp) 1 **Assessment:** Practical reports, class presentations, seminars

The unit develops knowledge, ideas and skills that relate specifically to VET courses in programming, unit development, safety and hygiene issues, resource management (including ordering and storing), behaviour management in a food classroom, development of reporting and assessment mechanisms for VET (Hospitality). This course also addresses that place of VET in schools and its history, the Australian

Qualifications Framework (AQF), industry placement and the nature of competency based courses. A dedicated training module on Assessment and Workplace Training conforming to the requirements of BSZ98 and reflecting the competencies listed in that standard is incorporated in the unit of study.

BEd(Primary)

Year 1

EDUP1001

Creative Arts 1

Credit points: 6 **Teacher/Coordinator:** Associate Professor Robyn Ewing, Dr. Robyn Gibson **Session:** Semester 2 **Classes:** 1 hour lecture, 2 hour workshops for 13 weeks **Assessment:** Mediated Reflection, Two music lesson plans & VAPD/Portfolio

This unit comprises four Creative Arts components: Drama, Music, Dance and Visual Arts. It combines both theoretical and practical/studio work across a range of creative art forms.

EDUP1002

Teaching and Learning: Literacy (Intro)

Credit points: 6 **Teacher/Coordinator:** Associate Professor Robyn Ewing **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Assessment:** Response to readings (20%) and field study (80%).

This unit will introduce students to teaching and learning issues and the early literacy development of children. It also provides the first in-school experience in a K-3 context and will provide a context in which students will observe, analyse and plan learning experiences for groups of children.

Year 2 Curriculum and Professional studies

EDUP2002

English 2: Writing as Social Practice

Credit points: 4 **Teacher/Coordinator:** Dr Angela Thomas **Session:** Semester 1 **Classes:** 2 hours/week for 10 weeks plus 6 hours guided study **Prerequisites:** EDUP1002 Teaching and Learning: Literacy **Assessment:** Self-guided study (25%); resource kit (25%); text analysis (50%)

This unit of study examines the pedagogical implications of the nature of writing. This will require both an understanding of children's developmental patterns of writing and an exploration into ways the English language is drawn upon to create different text types or genres. Students will study notions of socio-cultural contexts and their impact on the ways different text types or genres construct meanings; the manner in which texts vary with respect to field, tenor and mode, and the relationship of these to the metafunctions of language. Students will be involved in online discussions related to the theoretical issues such as the socio-cultural approach to learning language and the ideological constructedness of texts. Students will also be involved in practical experiences with an emphasis on stage 2 classroom contexts.

EDUP2004

PDHPE1: Physical Activity

Credit points: 4 **Teacher/Coordinator:** Dr Tracy Rockwell **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Assessment:** Essay (50%); Games Lesson Plans (20%); Teaching Evaluation (30%).

This unit of study is the first of two units aimed at assisting students to develop their teaching skills in Physical Education. It is focused on the development of Physical Education pedagogy for generalist primary school teachers aimed at making children's experiences of physical activity enjoyable, rewarding and educationally valuable. Students will study the theory and practice of teaching physical activity in primary schools with a focus on student-centred pedagogy and on the Game Sense approach to teaching games in particular. Through reading, active participation in lectures, workshops and school-based team-teaching laboratories students will engage with the latest developments in physical education pedagogy and apply it in practical contexts. This will involve exposure to contemporary theories of learning in and through physical education, management and

organisational issues specific to physical education, practical workshops and team teaching in a primary school. Drawing on experiences of lectures and workshops students will work collaboratively in planning for learning, organising, managing and teaching physical education with a clear focus on student learning and achievement.

EDUP2005

Mathematics 1: Exploring Early Number

Credit points: 4 **Teacher/Coordinator:** Dr Jennifer Way **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Assessment:** Assessing and analysing a child's level of thinking using the Schedule for Early Number Assessment (SENA) and the Learning Framework in Number (LFIN) (80%); designing follow-up teaching activities based on the results of the assessment (20%)

This is the first unit of study in Mathematics and students will be introduced to key issues associated with how children acquire early mathematical concepts, processes and knowledge. The Learning Framework in Number will be a major focus of content for this unit of study. As part of this study students will be required to assess a child from the K-2 grades using an interview schedule and to use the results to plan activities that demonstrate knowledge of worthwhile mathematical tasks.

EDUP2006

Indigenous Australian Education

Credit points: 4 **Teacher/Coordinator:** Sharon Galleguillos **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Assessment:** Participation (20%); Icon Presentation (30%); Case Study (50%).

Note: Within New South Wales public schools it is mandatory to implement the Department of Education and Training (DET) Aboriginal Education Policy (1996) and ensure Aboriginal perspectives are provided in all key-learning areas

This Indigenous Australian-Education, Unit of Study, focuses on the application of Aboriginal studies in primary school education and represents a contemporary Australian education and culture study that is linked to historical issues, and interrelates social, political and economic themes

EDUP2027

Beginning Professional Experiences

Credit points: 8 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP1002 Teaching and Learning: Literacy (Intro) **Assessment:** A successful completion of professional experience placement and the following exercises: a personal rationale/philosophy of teaching (750 - 1000 words); Two group presentations (750 each); a personal approach to classroom management (1500 words); a reflection on the Professional Experience (3000 words).

This unit incorporates the year's professional experience and continues students' development as reflective practitioners. It examines various ways in which the concepts of curriculum and evaluation and quality teaching have been defined in current literature. The phases of planning, development, implementation and evaluation in developing a unit of work will be examined along with the importance of reflective practices. Classroom management issues will also be explored in detail, building on the initial discussions in Teaching and Learning: Literacy (Intro) in Year One. Students will develop an understanding of the interrelationship between quality teaching dimensions and management of the classroom learning community. They will demonstrate their understanding and expertise of quality teaching and learning principles through peer teaching and during their professional experiences in schools.

Year 3 Curriculum and Professional studies

EDUP3001

PDHPE 2: Active Healthy Primary Schools

Credit points: 4 **Teacher/Coordinator:** Ms Jan Milton **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP2004 PDHPE1: Physical Activity and 20 credit points of professional studies in Primary Education **Assessment:** An integrated PDHPE unit of work (3000 words) (70%), Class presentation and handout (30%)

In this second unit of study students will continue to gain experience in a variety of physical activities as well as being introduced to health

and personal development content strands from the Personal Development Health and Physical Education (PDHPE) Key Learning Area (KLA), K-6. Students will be encouraged to examine their own health and fitness status and explore the importance of leading active and healthy lives. Emphasis will be placed upon developing teaching skills and programming strategies necessary for the effective implementation of the syllabus. Participation in a variety of dance and gymnastic activities will enable students to develop their confidence and physical skills to teach children. Particular attention will be given to teaching an integrated PDHPE curriculum within the health promoting school context.

EDUP3002

Human Society and its Environment

Credit points: 4 **Teacher/Coordinator:** Ms Sandra Newell **Session:** Semester 1 **Classes:** 2 hours/week for 10 weeks **Prerequisites:** 20 credit points of professional studies in Primary Education **Assessment:** There is one assessment task in the unit of study. The task will involve the designing of a sequence of HSIE lessons which will fit into the context of HSIE unit for stage 2 students.

This unit will focus on the fundamental principles of the Human Society and Its Environment K-6 key learning area as well as theories of how children learn in a social setting. This unit will enable the students to design and critically reflect on learning experiences which are planned to achieve the aim of the NSW HSIE K-6 Syllabus

EDUP3003

Teaching in Multilingual Classrooms

Credit points: 4 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 20 credit points of professional studies in Primary Education **Assessment:** There is a range of linked assessment tasks in this UOS. These include activity design tasks; a written paper analysing classroom talk; the design of a substantial learning sequence; and the assessment of a piece of children's writing (25% each)

The content of this introductory UOS is based around teaching principles derived from current sociocultural thinking. Four key principles are challenge, engagement, assisted performance, and handover. With these in mind, and after an introduction to the social and political context of TESOL, the unit covers oral language development, literacy and the integration of newly-arrived children.

EDUP3004

Mathematics2: Space and Measurement

Credit points: 4 **Teacher/Coordinator:** Dr Janette Bobis **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP2005 Mathematics 1 and 20 credit points of professional studies in Primary Education **Assessment:** Written paper providing evidence of knowledge of content and pedagogy of mathematics (40%) and a folder of work containing 3 - 4 lesson plans, assessment information, criteria for assessment procedures and lesson evaluations from work in schools (60%).

In this unit students will focus on the content strands of Space & Geometry, and Measurement, and the process strand, Working Mathematically. The role mathematics plays in developing numeracy will be examined in the light of the content areas covered in this unit.

EDUP3005

Investigating in Science and Technology

Credit points: 4 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks. **Prerequisites:** EDUF1016 & EDUF1017 and 20 credit points of professional studies in Primary Education **Assessment:** Assessment will be based on assignments involving teaching activities, the development of a teaching guide and lesson planning. Group work will be a feature of one of these assignments

This unit is the first of two dealing with issues, strategies and resources relevant to the teaching of Science and Technology in the K-6 curriculum. It builds upon foundation studies in science undertaken by students in the Science Foundations units EDUF1016 and EDUF 1017

EDUP3006

English 3: Literature and Literacies

Credit points: 4 **Teacher/Coordinator:** Dr Angela Thomas **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP1002 Teaching

and Learning: Literacy (Intro), EDUP 2002 English 2 and 16 credit points of professional studies in Primary Education **Assessment:** Visual Text Analysis (40%) Teaching Resource (60%)

This unit of study is focussed on work with the strands of Reading, Writing, Talking and Listening through the use of literary texts in the classroom. Literary texts such as picture books, novels, biographies, plays and poetry as well as other texts of popular culture will be used as the basis for preparation for teaching English to children in the middle years (NSW Stages 2 and 3, grades 3,4,5 and 6). The emphasis will be on developing children's critical comprehension and creative composition of a range of literary texts. This involves learning how text structure and verbal grammar, as well as the visual grammar of images and layout, are used to construct different kinds of meanings. Students will engage in wide reading and respond to a variety of literary texts in paper and electronic formats. Students will also undertake close study of the verbal and visual form of selected texts. From this basis students will design learning and assessment experiences to engage children's enjoyment of literary texts and to develop their critical understanding of how such texts are constructed to provoke pleasurable interpretive responses. Students will also investigate how literacy is encouraged in the wider community

EDUP3007

Professional Experiences 2 (Primary)

Credit points: 4 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 2 **Classes:** 2 hours/week for 7 weeks **Prerequisites:** EDUP2003 Professional Experiences 1 and 20 credit points of professional studies in Primary Education **Assessment:** There is a range of linked assessment tasks in this UOS. These include lesson design and program design tasks; a written paper based on diary entries that reflects upon your management of learning during your in-school experience, and the successful completion of in-school experience.

This UOS builds upon the work done in Professional Experiences 1 by maintaining a reflective orientation and introducing students to more detailed aspects of planning, assessment and management. The twin themes of 'making links' and 'quality learning for children' will be central.

EDUP3008

Creative Arts 2

Credit points: 4 **Teacher/Coordinator:** Dr Robyn Gibson and Associate Professor Robyn Ewing **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP1001 Creative Arts 1 and 20 credit points of professional studies in Primary Education **Assessment:** Unit of work or Resource Kit (75%) and VAPD/Portfolio (25%)

This unit comprises four Creative Arts components: Dance, Drama, Music and Visual Arts. It combines both theoretical and practical/studio work across a range of dance/drama/music/visual art forms

EDUP3034

PDHPE 3: The Health Promoting School

Credit points: 4 **Teacher/Coordinator:** Ms Jan Milton **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP2004 and EDUP3001 **Assessment:** Either a unit of work for 5 weeks for a nominated class (4000w) or the acquisition of a First Aid Certificate and two First Aid lesson plans.

In this unit of study, additional content strands from the Personal Development Health and Physical Education Syllabus, K - 6 will be examined and further emphasis will be placed upon refining teaching skills and developing programming strategies necessary for the effective implementation of the syllabus. Particular attention will be given to sensitive issues in the syllabus. The role of the school as a health promoting environment will be examined further.

Year 4 Curriculum and Professional Studies

EDUP4074

Mathematics Education 3

Credit points: 4 **Teacher/Coordinator:** Dr Jennifer Way **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP2005 and EDUP3004 **Assessment:** Assessment will include: the assessment and analysis of a child's mathematics ability (50%) (2000 words equivalent); an assessment portfolio documenting a student's mathematical progress over time (2000 words equivalent) (50%).

This unit of study is designed to build on the content and ideas introduced in Mathematics Education 1 and 2 and reflects the growing international emphasis on the development of efficient mental computational strategies to enhance numeracy levels in Australia. The unit will explore how children's mathematical thinking strategies develop via research-based frameworks of number. Students will be introduced to suitable assessment instruments and a range of teaching/learning strategies suitable for enhancing the thinking strategies of young children.

EDUP4075

Science & Technology (Designing/Making)

Credit points: 4 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUF1016, EDUF1017 and EDUP3005 **Assessment:** Assessment will be based on two assignments dealing with lesson and unit planning. A small group lesson activity (1000 words) and a unit plan with individual lesson component (2500 words).

The focus of this unit is on developing children's interest and skills in understanding and using technology. In particular, it focuses on design as a creative process, founded on an understanding of the natural and physical world, which promotes human purposes. The unit will also identify aspects of curriculum planning, class management, activities and resources particularly relevant to the teaching of technology and emphasise the integration of science and technology within the overall curriculum

EDUP4076

Multiliteracies

Credit points: 4 **Teacher/Coordinator:** Dr Alyson Simpson **Session:** Semester 1 **Classes:** 1 hour lectures plus 1 hour workshop per week for 11 weeks plus 4 hour online discussion **Prerequisites:** EDUP3006 English 3: Literature and Literacies **Assessment:** Online discussion of readings (10%) 400 words; Integrated literacy unit (50%) 2000 words; Online mentoring project (40%) 1600 words. Through reflection and mentoring, students will discover that their own classroom practices will be a source of lifelong learning.

This unit of study is designed to develop students' understanding of how English K - 6 is a core factor in planning for teaching in an integrated approach across KLA in the primary curriculum. The emphasis will be on understanding that being literate involves the interpretation, production and use of a range of meaning making systems, including language and image. Students will evaluate their theoretical knowledge of principles of English teaching as well as develop their professional and practical skills.

EDUP4077

Teaching Children with Special Needs

Credit points: 4 **Teacher/Coordinator:** A/Prof David Evans **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP3004 and EDUP3006 **Assessment:** Assessment will be in the form of a successful Children's Centre Criteria for assessing programming and teaching a child with special needs. (1500 words equivalent). There will also be a two hour examination. Both elements need to be satisfied to achieve a pass grade in the course.

In this unit of study students will develop a rationale for professional decision making through the assessment and teaching of children experiencing learning difficulties. Under supervision of tutors, students will work with individual children to design, implement and evaluate a program that will meet the literacy or numeracy needs of their assigned child

EDUP4017

Professional Experiences 4 (Primary)

Credit points: 4 **Teacher/Coordinator:** Associate Professor Robyn Ewing/Dr Louise Sutherland **Session:** Semester 2 **Classes:** 30 days in school experience **Prerequisites:** 100 credit points of Professional Studies in Primary Education and EDUP2003 or EDUP2027; EDUP3007; EDUP4079 **Assessment:** Assessment will be in the form of a satisfactory practice teaching report.

This unit is the culmination of professional experience within the Bachelor of Education Primary Program and continues students' development as reflective practitioners. In this final 30 day internship it is expected that most students (other than Special Education students) will teach without the in-class supervision of the co-operating

Teacher for half to two thirds of a full teaching load. Students entering the Internship will thus assume the role of the beginning teacher, being responsible for the planning, delivery and management of integrated units across the Key Learning Areas. Tertiary supervision will be through Liaison visits. The Professional Experiences Handbook contains the explicit expectations for this in-school experience.

EDUP4079

Professional Experiences 3 (Primary)

Credit points: 4 **Teacher/Coordinator:** Associate Professor Robyn Ewing, Dr Robyn Gibson **Session:** Semester 1 **Classes:** 15 day practicum **Prerequisites:** 100 credit points of Professional Studies in Primary Education and EDUP2003 or EDUP2027 and EDUP3007 **Assessment:** Assessment will be in the form of a satisfactory practice teaching report and a report examining the concerns of early career teachers

Students will be placed in schools for 15 days for practicum experience, over three weeks at the end of Semester 1 and will possibly return to the same placement at the end of the year for their internship. Before the practice, students will undertake a Beginning to Teach Orientation that will include a one-day, compulsory Teachers Federation Meeting. It is expected that students will have the confidence to plan integrated units across the Key Learning Areas and take responsibility for whole sessions, moving to management of whole days in the final week. Students will be expected to undertake whole class teaching as well as a variety of grouping strategies which are appropriate for the particular group of children they are teaching. Students will evaluate both their own planning and presentation, as well as the children's responses to the learning experiences planned. Students will be supported by their schoolbased cooperating teacher and a tertiary supervisor.

EDUP4080

Human Society and its Environment 2

Credit points: 4 **Teacher/Coordinator:** Ms Sandra Newell **Session:** Semester 2 **Classes:** 2 hours/week for 10 weeks **Prerequisites:** EDUP3002 Human Society and Its Environment **Assessment:** An investigation of the background to a whole school and stage planning of an HSIE program (1000 words). Report on the particular needs of the children in the stage, the resources available and the requirements of the HSIE syllabus to evaluate the stage plan (1000 words). Recommendations and reflections about aspects which need to be retained and those which could be changed so that a new stage plan can be designed (1000 words).

This unit allows students to demonstrate the achievement of the two outcomes of the unit of study. The students will be required to investigate the whole school and stage planning practices of their practicum school. The school plan and stage plan will be critically reflected on in line with the HSIE syllabus requirements, the resources available for the school and the particular learning needs of the children in the particular stage. The student will be required to evaluate the stage plan and make recommendations about which aspects to retain and which to change to maximise the HSIE learning.

Year 4 options

EDUP4007

Primary Languages A

Credit points: 4 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1 **Classes:** 2 hours per week over 10 weeks **Prerequisites:** 100 credit points of Professional Studies in Primary Education **Assessment:** An academic essay (50%) and a set of three lesson plans (50%)

Note: Department permission required for enrolment.

This unit of study will enable students to prepare to implement a languages program in a primary school context. Through an examination of policy and syllabus documents, suitable teaching methods and pedagogy, students will focus on what is required for establishing and sustaining a primary languages program. Students will also develop language lesson planning skills, and become familiar with materials that are suitable for the primary languages classroom.

EDUP4008

Primary Languages B

Credit points: 4 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 2 hours/week over 10 weeks (20 hours) **Prerequisites:** EDUP4007 Primary Languages A Special Course **Assessment:** An intercultural task, parts a and b (75%) and a set of Powerpoint slides (25%)

Note: Department permission required for enrolment.

This unit of study allows students to continue their understandings of how best to deliver a languages program in a primary school context. Through an examination of intercultural languages education theory, and the syllabus directives as regards planning to use ICT as a vehicle for lesson delivery as well as a tool for teacher student teaching/learning, students will continue to focus on what is required for establishing and sustaining a primary languages program.

EDUP4009

Special Education (A) Special Course

Credit points: 4 **Teacher/Coordinator:** Associate Professor David Evans **Session:** Semester 1 **Classes:** 2 hours/week over 12 weeks (24 hours) **Prerequisites:** 100 credit points of Professional Studies in Primary Education and EDUF3031 **Assessment:** Theory to Practice paper (40%); Application Task (40%); and Tutorial (20%).

Note: Department permission required for enrolment.

The education of students with additional learning needs is a challenge for all teachers. Given the introduction of the Disability Standards for Education (2005) all teachers are required to be knowledgeable about curriculum and instructional adjustments that will assist them to cater for students with special educational needs. This unit will address issues around current legislation and policy, review current literatures about effective practices in catering for students with special needs, and develop skills in reviewing literature and policy. The remainder of the unit will be spent examining practices that will assist teachers to meet the additional learning needs of students experiencing difficulty in learning literacy and numeracy.

EDUP4010

Special Education (B) Special Course

Credit points: 4 **Teacher/Coordinator:** Associate Professor David Evans **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks (24 hours) **Prerequisites:** EDUF3031 - Positive Approaches to Special Education **Assessment:** Theory to Instruction Paper (40%); In-school Collaboration Project (30%); Programming Task (30%)

Note: Department permission required for enrolment.

The education of students with special education needs is the business of all teachers. This unit will further the study of policy and practices that assist teachers to cater for students with special needs through (a) examining strategies of how teachers can work together to address student need, and (b) how they can adjust their classroom practices to manage challenging and difficult social behaviour. At the completion of the unit students will be familiar with problem based approaches and whole school strategies for addressing the education outcomes for students with special education needs.

EDUP4062

Gifted and Talented Education A

Credit points: 4 **Teacher/Coordinator:** Associate Professor David Evans **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 100 credit points of professional studies in Primary Education **Assessment:** Peer Teaching Task (1200w); Written Task (1500 words), Lesson (1200 words)

Note: Department permission required for enrolment.

Understanding and responding to the needs of gifted children is an integral part of teaching all key learning areas. This unit of study is the first of two that will provide practical and theoretical experience in these aspects of the curriculum. It will link recommended practice for gifted children with actual practice in the classroom and across the school. Definitions and identification of giftedness will underpin the unit's emphasis on real provisions to motivate and challenge gifted children. Participation in a variety of activities will enable students to design lessons and programs to teach children with differing capabilities while developing the knowledge, skills and attitudes that will lead to the commitment to the value of lifelong learning. In this

4. Education units of study

unit students will gain experience in making opportunities real for gifted children

EDUP4063

Gifted and Talented Education B

Credit points: 4 **Teacher/Coordinator:** Associate Professor David Evans
Session: Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP4062 Gifted and Talented Education A **Assessment:** Peer Teaching Task (1500 words); Written Task (1000 words), Lesson Plan (1000 words).

Note: Department permission required for enrolment.

Understanding and responding to the needs of gifted children is an integral part of teaching all key learning areas. This unit of study is the second of two that will provide practical and theoretical experience in these aspects of the curriculum. Building on work done in Gifted and Talented A, this Unit will continue to link recommended practice for gifted children with actual practice in the classroom and across the school. Definitions and identification of giftedness will underpin the unit's emphasis on real provisions to motivate and challenge gifted children. Participation in a variety of activities will enable students to design lessons and programs to teach children with differing capabilities while developing the knowledge, skills and attitudes that will lead to the commitment to the value of lifelong learning, an experience in making opportunities real for gifted children.

EDUP4066

IT in the Primary Classroom A

Credit points: 4 **Teacher/Coordinator:** Mr Neville Goodwin **Session:** Semester 1 **Classes:** 20 hours or 2 hours/week for 10 weeks **Prerequisites:** 100 credit points of Professional Studies in Primary Education **Assessment:** Assessment will be based on classroom oriented IT projects (3000 word equivalent) and seminar presentation (1000 word equivalent).

Note: Department permission required for enrolment.

This unit builds upon earlier computer based experiences in Education 1 in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary classroom. Technical aspects will be drawn from database design and construction, presentation software, Website design, and desktop publishing. The unit will deal with aspects of technology that impinge on teachers' own professional and administrative practice, the evaluation of IT related resources and the integration of IT into classroom activities

EDUP4067

IT in the Primary Classroom B

Credit points: 4 **Teacher/Coordinator:** Mr Neville Goodwin **Session:** Semester 2 **Classes:** 20 hours or 2 hours/week for 10 weeks **Prerequisites:** 100 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 **Assessment:** Assessment will be based on classroom oriented IT projects (3000 word equivalent) and seminar presentations (1000 word equivalent).

Note: Department permission required for enrolment.

This unit builds upon earlier computer based experiences in Education 1 and IT in the Primary Classroom (A) in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary Classroom (A) in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary classroom. Technical aspects will be drawn from presentation software, digital video production and low cost graphic techniques. The unit will deal with aspects of technology that impinge on teachers' own professional and administrative practice, the evaluation of IT related resources and the integration of IT into classroom activities.

EDUP4068

TESOL (A) Special Course

Credit points: 4 **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 100 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 **Assessment:** There is a range of linked assessment tasks in this unit. These include activity design tasks: a grammar quiz; the assessment of a piece of children's writing; the design of a substantial learning sequence; the writing of a rationale for a particular learning design; and presentation to the class based on your learning design.

Note: Department permission required for enrolment.

The content of this unit builds upon previous work completed in EDUP3003 and is based around teaching principles derived from current socio-cultural thinking. Four key principles are challenge, engagement, assisted performance, and handover. With these in mind, and after an introduction to the social and political context of TESOL, the unit covers oral language development, literacy and the integration of newly-arrived children.

EDUP4069

TESOL (B) Special Course

Credit points: 4 **Teacher/Coordinator:** TBA **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP4068 TESOL (A) Special Course **Assessment:** There are three assessment tasks in this unit. They are: a vocabulary design task; the development of a program for teaching a novel; and a research project.

Note: Department permission required for enrolment.

The content of this unit builds upon previous work completed in EDUP3003 and EDUP4068. The focus for this unit will be vocabulary development, the teaching of literature in multilingual classrooms, analysis of ESL implementation, and the carrying out of a small-scale research project during Internship.

EDUP4070

Integrated Arts (A) Special Course

Credit points: 4 **Teacher/Coordinator:** A/Prof Robyn Ewing, Dr Robyn Gibson **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP1001 Creative Arts 1 & EDUP3008 Creative Arts 2 **Assessment:** Assessment options will be negotiated with the students but are linked to unit outcomes and reflect the 4 credit point loading. Possible examples include: reflective scrapbook/portfolio; rationale for using Creative Arts in the primary school; critical responses to 'Arts' experiences

Note: Department permission required for enrolment.

This unit of study provides students with the opportunity to further their knowledge, skills, techniques and understandings in the Creative Arts, building on earlier units in the Bachelor of Education (Primary) program. Integrated Arts Special Course comprises Integrated Arts A (Semester 1) and Integrated Arts B (Semester 2).

EDUP4071

Integrated Arts (B) Special Course

Credit points: 4 **Teacher/Coordinator:** A/Prof Robyn Ewing, Dr Robyn Gibson **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP4070 Integrated Arts (A) Special Course **Assessment:** A reflective portfolio derived from the in-school experience including planning processes for the work undertaken and a written critical reflection. Length and complexity appropriate for a 4 unit course. Criteria will be negotiated.

Note: Department permission required for enrolment.

This unit of study will further develop students' knowledge, skills, techniques and understandings in the Creative Arts, building on the unit of study undertaken in Semester 1. This will involve teaching creative arts in a school context during their internship.

EDUP4072

Koori Kids in School A (Special Course)

Credit points: 4 **Teacher/Coordinator:** Sharon Galleguillos **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 100 credit points of Professional Studies in Primary Education **Assessment:** Development of an Indigenous Studies Resource Kit (1500 words) and a Unit of Work for a considerable Aboriginal Perspective (1500 words).

Note: Department permission required for enrolment.

This unit of study will build on the knowledge gained in the Indigenous Australian Education course. The focus of this course will be to develop specialised skills in the development and implementation of Aboriginal Studies resource into the classroom. The unit will be structured so that students participate in an intensive workshop located within an Aboriginal community setting. Students will be guided in the application of more extensive consultative mechanisms with Aboriginal communities, organisations and individuals.

EDUP4073**Koori Kids in School B (Special Course)**

Credit points: 4 **Teacher/Coordinator:** Sharon Galleguillos **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP4072 Koori Kids in School A **Assessment:** Development of an Indigenous Studies Resource Kit (1500 words) and a Unit of Work for a considerable Aboriginal Perspective (1500 words).

Note: Department permission required for enrolment .

This unit of study will build on the knowledge gained in Koori Kids in School A. The focus of this unit will be to further develop specialised skills in the development and implementation of Aboriginal Studies resources into the Primary classroom. The unit of study will be structured so that students participate in an intensive workshop located within an Aboriginal community setting. Students will be guided in the application of more extensive consultative mechanisms with Aboriginal communities, organisations and individuals

Education Exchange**Year 2 Education Exchange****EDUF2553****Education Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Year 3 Education Exchange**EDUF3553****Education Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

EDUF3554**Education Exchange**

Credit points: 24 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Year 4 Education Exchange**EDUF4553****Education Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Year 5 Education Exchange**EDUF5556****Education Exchange**

Credit points: 24 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Table of Bachelor of Education units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Education 1 (all Education students)			
EDUF1018 Education, Teachers and Teaching	6	N EDUF1011	Semester 1
EDUF1019 Human Development and Education	6	N EDUF1012	Semester 2
Science Foundations (Primary students)			
EDUF1016 Science Foundations 1	6		Semester 1
EDUF1017 Science Foundations 2	6		Semester 2
Education 2 (all Education students)			
EDUF2006 Educational Psychology	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 1
EDUF2007 Social Perspectives on Education	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 2
Education 3			
(All Education students – compulsory units)			
EDUF3031 Positive Approaches to Special Education	6	P 42 credit points	Semester 1b Semester 2a Semester 2b
EDUF4044 Reading and Designing Research	6	P 120 credit points including (EDUF2005 or EDUF2006) and (EDUF2002 or EDUF2007)	Semester 1 Semester 2
Education 3 options			
(All Education students – options)			
EDUF3023 Sports, Leisure and Youth	6	P 42 credit points	Semester 1
EDUF3024 Adolescent Development	6	P 42 credit points and EDUF1019	Semester 2
EDUF3026 Global Poverty and Education	6	P 42 credit points.	Semester 1
EDUF3027 International Education	6	P 42 credit points	Semester 2
EDUF3028 Mentoring in Educational Contexts	6	P 42 credit points	Semester 1
EDUF3029 Psychology of Learning and Teaching	6	P 42 credit points and EDUF2006	Semester 2
EDUF3030 Australian Secondary Schooling	6	P 42 credit points	Semester 1
EDUF3032 Curriculum and Evaluation	6	P 42 credit points	Semester 2
EDUF3033 Problems of Knowledge and Ethics	6	P 42 credit points	Semester 1
Education 3 (International students only)			
EDUF3034 Australian Theatre, Film and Learning	6	Available to Study Abroad students only.	Semester 1 Semester 2 Summer Main
Secondary: combined degrees (BEd/BA, BEd(Maths)/BSc, BEd(Sc)/BSc)			
Year 2 Professional Studies (compulsory units)			
EDSE2001 Craft Knowledge and Prof Practices 1	6	P 42 credit points including 12 credit points of Education	Semester 2a
Year 3 Professional Studies (compulsory units)			
EDSE3072 Craft Knowledge and Prof Practices 2	4	P 48 credit points including 24 credit points of Education, EDSE2001 and one of the following: EDSE3037, EDSE3038, EDSE3040, EDSE3041, EDSE3042, EDSE3043, EDSE3044, EDSE3045, EDSE3046, EDSE3047, EDSE3048, EDSE3049, EDSE3050, EDSE3051, EDSE3069.	Semester 2
EDSE3073 Professional Experience A	2	P 48 credit points including 24 credit points of Education, EDSE2001 and two of the following: EDSE3037, EDSE3038, EDSE3040, EDSE3041, EDSE3042, EDSE3043, EDSE3044, EDSE3045, EDSE3046, EDSE3047, EDSE3048, EDSE3049, EDSE3050, EDSE3051, EDSE3054, EDSE3069	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 3 curriculum units			
EDSE3037 Teaching Visual Arts 1A	6	P 24 credit points of Education plus 12 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds	Semester 1b
EDSE3038 Teaching Visual Arts 1B	6	P 24 credit points of Education & 12 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds.	Semester 1b
EDSE3056 Teaching Visual Arts 2A	6	P EDSE3037 Teaching Visual Arts 1A and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds.	Semester 2
EDSE3057 Teaching Visual Arts 2B	6	P EDSE3037 Teaching Visual Arts 1A and EDSE3038 Teaching Visual Arts 1B and Practical art course taken at The Tin Sheds C Advanced practical art course taken at The Tin Sheds	Semester 2
EDSE3040 Teaching History 1	6	P 48 credit pts including 24 credit pts of Education and 12 Senior credit pts of History	Semester 1b
EDSE3058 Teaching History 2	6	P EDSE3040 Teaching History 1 plus 12 senior credit points of History.	Semester 2
EDSE3041 Teaching Geography 1	6	P 48 credit pts including 24 credit points of Education and 12 Intermediate credit points of Geography	Semester 1b
EDSE3059 Teaching Geography 2	6	P EDSE3041 Teaching Geography 1 plus 12 intermediate credit points of geography	Semester 2
EDSE3042 Teaching Drama 1	6	P 48 credit pts including 24 credit pts of Education and 12 Senior credit pts of Performance Studies	Semester 1b
EDSE3060 Teaching Drama 2	6	P EDSE3042 Teaching Drama 1 plus 12 senior credit points of Performance Studies	Semester 2
EDSE3043 Teaching TESOL 1	6	P 24 credit points of Education plus 12 credit points of Linguistics plus 12 credit points of either English, or Languages.	Semester 1b
EDSE3061 Teaching TESOL 2	6	P EDSE3043 Teaching TESOL 1 plus 12 credit points of Linguistics plus 12 credit points of English or Languages	Semester 2
EDSE3044 Teaching English 1	6	P 48 Credit Points including 24 credit points of Education and 12 Senior credit pts of English or Australian Literature	Semester 1b
EDSE3062 Teaching English 2	6	P EDSE3044 Teaching English 1 plus 12 senior credit points of English	Semester 2
EDSE3045 Teaching Mathematics 1A	6	P 24 credit points of Education and 24 credit points of Mathematics	Semester 1b
EDSE3046 Teaching Mathematics 1B	6	P 24 credit points of Education and 24 credit points of Mathematics.	Semester 1b
EDSE3063 Teaching Mathematics 2A	6	P EDSE3045 plus 12 credit points of intermediate mathematics or statistics	Semester 2
EDSE3064 Teaching Mathematics 2B	6	P EDSE3045 Teaching Mathematics 1A, EDSE3046 Teaching Mathematics 1B, and 12 credit points of intermediate mathematics or statistics C EDSE3063 Teaching Mathematics 2A	Semester 2
EDSE3047 Teaching Languages 1A	6	P 24 credit points of Education plus 24 credit points of languages	Semester 1b
EDSE3048 Teaching Languages 1B	6	P 24 credit points of Education plus 24 credit points of Languages	Semester 1b
EDSE3065 Teaching Languages 2A	6	P EDSE3047 Teaching Languages 1A and 12 senior credit points of languages	Semester 2
EDSE3071 Teaching Languages 2B	6	P EDSE3047 Teaching Languages 1A and EDSE3048 Teaching Languages 1B and 12 senior credit points of languages C EDSE3065	Semester 2
EDSE3049 Teaching Computer Studies 1	6	P 48 credit points including 24 credit points of Education and 24 credit points of Computer Studies	Semester 1b
EDSE3066 Teaching Computer Studies 2	6	P EDSE3049 Teaching Computer Studies 1 and 12 intermediate credit points of computer studies	Semester 2
EDSE3050 Teaching Commerce/Economics 1	6	P 48 credit pts including 24 credit pts of Education and 12 Intermediate credit points of Economics or Political Economy	Semester 1b
EDSE3067 Teaching Commerce/Economics 2	6	P EDSE3050 Teaching Commerce/Economics 1 and 12 intermediate credit points of economics or political economy	Semester 2
EDSE3051 Teaching Science 1 (Core)	6	P 12 intermediate credit points in one Science Area (either Chemistry, Biology, Geology or Physics) + 6 credit points in 2nd Science area either Chemistry, Physics, Biology or Geology and 24 credit points of Education.	Semester 1b
EDSE3068 Teaching Science 2 (Core)	6	P EDSE3051 Teaching Science 1 (Core) and 12 intermediate credit points of science	Semester 2
EDSE3052 Teaching Science Elective (Chemistry)	6	P 12 intermediate credit points of Chemistry and 12 credit points of Mathematics and 24 credit points of Education C EDSE3051 Teaching Science 1 (Core)	Semester 2
EDSE3053 Teaching Science Elective (Senior Sci)	6	P 24 intermediate credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 24 credit points of Education. C EDSE3051 Teaching Science 1 (Core)	Semester 2
EDSE3054 Teaching Science Elective (Biology)	6	P 12 intermediate credit points Biology and 24 credit points of Education. C EDSE3051 Teaching Science 1 (Core)	Semester 1b
EDBT5610 Classical Hebrew & Judaism Curriculum 1	6	P 12 Credit points of senior Classical Hebrew or 12 credit points of senior Jewish Civilisation, Thought and Culture	Semester 1b
EDBT5660 Classical Hebrew & Judaism Curriculum 2	6	P EDBT5610 Judaic Studies Curriculum 1	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 4 Professional Studies (compulsory units)			
EDSE4039 Craft Knowledge and Prof Practices 2	6	P EDSE2001 Craft Knowledge and Professional Practices 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035.	Semester 2
EDSE4040 Professional Experience for Sec Teachers	4	P 48 credit points including two of the following: EDSE4021, EDSE4022, EDSE4023, EDSE4024, EDSE4025, EDSE4026, EDSE4027, EDSE4028, EDSE4029, EDSE4030, EDSE4031, EDSE4032, EDSE4033, EDSE4034, EDSE4035 C EDSE4038, EDSE4039	Semester 2
EDSE4038 Curriculum 4: Information Technology	8	P 96 Credit points including 30 credit points of Education & two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035 C EDSE4039, EDSE4040	Semester 2
Year 4 curriculum units			
EDSE4021 Teaching Visual Arts 3A	6	P EDSE3037 Teaching Visual Arts 1A and EDSE3056 Teaching Visual Arts 2A	Semester 1a
EDSE4022 Teaching Visual Arts 3B	6	P EDSE3056 Teaching Visual Arts 2A & EDSE3057 Teaching Visual Arts 2B and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds.	Semester 1a
EDSE4023 Teaching History 3	6	P EDSE3040 Teaching History 1 and EDSE3058 Teaching History 2	Semester 1a
EDSE4024 Teaching Geography 3	6	P EDSE3041 Teaching Geography 1 & EDSE3059 Teaching Geography 2	Semester 1a
EDSE4025 Teaching Drama 3	6	P EDSE3042 Teaching Drama 1 and EDSE3060 Teaching Drama 2 plus 12 credit pts of Performance Studies	Semester 1a
EDSE4026 Teaching TESOL 3	6	P EDSE3043 Teaching TESOL 1 plus EDSE3061 Teaching TESOL 2	Semester 1a
EDSE4027 Teaching English 3	6	P EDSE3044 Teaching English 1 and EDSE3062 Teaching English 2	Semester 1a
EDSE4028 Teaching Mathematics 3A	6	P EDSE3045 Teaching Mathematics 1A plus EDSE3063 Teaching Mathematics 2A	Semester 1a
EDSE4029 Teaching Mathematics 3B	6	P EDSE3063 Teaching Mathematics 2A and EDSE3064 Teaching Mathematics 2B	Semester 1a
EDSE4030 Teaching Languages 3A	6	P EDSE3047 Teaching Languages 1A and EDSE3065 Teaching Languages 2A	Semester 1a
EDSE4031 Teaching Languages 3B	6	P EDSE3047 Teaching Languages 1A and EDSE3048 Teaching Languages 1B and EDSE3065 Teaching Languages 2A and EDSE3071 Teaching Languages 2B C EDSE4030 Teaching Languages 3A	Semester 1a
EDSE4032 Teaching Computer Studies 3	6	P EDSE3049 Teaching Computer Studies 1 and EDSE3066 Teaching Computer Studies 2	Semester 1a
EDSE4033 Teaching Commerce/Economics 3	6	P EDSE3050 Teaching Commerce/Economics 1 and EDSE3067 Teaching Commerce/Economics 2	Semester 1a
EDSE4034 Teaching Science 3 (Core)	6	P EDSE3051 Teaching Science 1 (Core) and EDSE3068 Teaching Science 2 (Core)	Semester 1a
EDSE4035 Teaching Science 4 (Sci Hist & Phil)	6	P EDSE3051 Teaching Science 1 (Core) and EDSE3068 Teaching Science 2 (Core)	Semester 1
EDSE4041 Teaching Science Elective (Physics)	6	P 12 credit points of Physics and 24 credit points of Education	Semester 1
Year 5 Professional Studies (compulsory units)			
EDSE5008 Internship	6	P 96 credit points including 52 of Education and EDSE3003 Professional Experience 1 or EDSE3055 Professional Experience 1, EDSE4036 Professional Experience 2 and EDSE4037 Professional Experience 3	Semester 1
Year 5 curriculum units			
EDSE5001 TESOL as a Third Teaching Area	12	P 144 credit points including 24 credit points from one or two of English and/or Linguistics and/or Languages other than English	Semester 1
EDSE5009 TESOL Professional Experience	6	P 144 credit points including 52 of Education and 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English C EDSE5001	Semester 1
EDSE5010 Meeting the Needs of Cultural Diversity	12	P 96 credit points including 52 credit points of Education	Semester 1
EDGU2000 Teaching English Internationally 1	6	P 96 credit points including 52 credit points of Education	Semester 1
EDGU3000 Teaching English Internationally 2	6	P 96 credit points including 52 credit points of Education	Semester 1
EDBT5000 International Curriculum	6	C EDGU2000 Teaching English Internationally I and EDGU3000 Teaching English Internationally 2 <i>Only available to BTeach students in Semester Two. Only available to BEd combined degree secondary undergraduate students in Semester One.</i>	Semester 1 Semester 2
Secondary: BEd/BA(Psych), BEd/BSc(Psych)			
Year 3 Professional Studies (compulsory units)			
EDSP3001 Teaching Practicum 1	2	P 48 credit points including 18 credit points of Education and EDSP3002 Teaching and Learning (Psychology)	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDSP3002 Teaching and Learning (Psychology)	4	P 48 credit points including 18 credit points of Education and 24 credit points of Psychology	Semester 1
Year 4 Professional Studies (compulsory units)			
EDSP4001 Psychological and Educational Assessment	6	P Completed major in Psychology with a Credit average in each of Intermediate and Senior Psychology units; EDSP2001, EDSP3002.	Semester 1
EDSP4002 Behaviour Assessment and Interventions	6	P Completed major in Psychology with a credit average in each of Intermediate & Senior Psychology units; EDSP2001, EDSP4001.	Semester 2
EDSP4003 Counselling Practicum 2	2	P Completed major in Psychology with a Credit average in each of Intermediate and Senior Psychology units; EDSP2001. C EDSP4004 Teaching Practicum 2	Semester 2
EDSP4004 Teaching Practicum 2	4	P 48 credit points including 18 credit points of Education, EDSP3001 and One of the following: EDSE4021, 4023, 4025, 4026, 4027, 4028, 4030, 4034, C EDSP4003 Counselling Practicum 2	Semester 2
Year 5 Professional Studies (compulsory units)			
EDSP5001 Counselling Children and Adolescents	6	P Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education	Semester 1
EDSP5002 Issues in School Counselling	4	P Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education.	Semester 2
EDSP5003 Counselling Practicum 3	2	P Completed major in Psychology with a credit average in each of Intermediate and Senior Psychology units; 50 credit points of Education	Semester 1
EDSP5004 Counselling Practicum 4	4	P Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education.	Semester 2
BEd (Secondary: Human Movement and Health Education)			
Year 1 Curriculum and Professional Studies			
EDUH1001 Foundations of PDHPE	6		Semester 1
EDUH1004 Physical Education Pedagogy 1	6		Semester 2
EDUH1016 Human Bioscience	6	N BIOL1003, BIOL1903	Semester 2
EDUH1017 Sports Mechanics	6	A No assumed knowledge of Physics N PHYS1001, PHYS1002, PHYS1901	Semester 1
Year 2 Curriculum and Professional Studies			
EDUH2001 Applied Anatomy and Physiology	4	P EDUH1016 Human Bioscience	Semester 2
EDUH2005 Determinants of Health	4	P 36 credit points including 12 credit points from Education	Semester 2
EDUH2008 Outdoor Education	4	P 36 junior credit points including 12 from Education.	Semester 2
EDUH2009 Physical Education Pedagogy 2	6	P 36 credit points including EDUH1003 Practical Studies in PE 1	Semester 1
EDUH2010 Professional Experiences in PDHPE 1	6	P 36 junior credit points including 12 from Education.	Semester 1
Year 3 Curriculum and Professional Studies			
EDUH3004 Psychosocial Health Issues	4	P 60 credit points including EDUH2005 Determinants of Health	Semester 1
EDUH3007 Professional Experiences in PDHPE 2	6	P 60 credit points including one of EDUH2006 Teaching & Learning in PDHPE or EDUH2027 Teaching & Learning in PDHPE 1 and one of EDUH2003 School Experience or EDUH2028 School Experience 1	Semester 1
EDUH3008 Physical Education Pedagogy 3	4	P 60 credit points including EDUH2006 Practical Studies in PE 2	Semester 1
EDUH3009 Physical Education Pedagogy 4	6	P 60 credit points including EDUH2006 Practical Studies in PE 2 and EDUH3001 Practical Studies in PE 3	Semester 2
EDUH3014 Assessment and Evaluation in PDHPE	4	P 60 credit points including EDUH2007 or EDUH2027, Teaching and Learning in PDHPE	Semester 2
EDUH3028 Adolescent Health Issues	6	P 40 credit points of professional studies in HMHE including EDUH2005 Determinants of Health.	Semester 2
Year 4 Curriculum and Professional Studies			
EDUH4002 Physical Education Pedagogy 5	6	P 60 credit points of professional studies in HMHE	Semester 1
EDUH4048 Professional Experiences in PDHPE 3	6	P 60 credit points of professional studies in HMHE including EDUH3006 and either EDUH2007 or EDUH2027.	Semester 1
EDUH4050 Sports Medicine	6	P 60 credit points of professional studies in HMHE	Semester 2

4. Education units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDUH4051 Community Health Issues	6	P 60 credit points of professional studies in HMHE including either EDUH3005 or EDUH3028	Semester 2
Year 4 options			
EDUH4052 Learning in Outdoor Education	6	P 60 credit points of professional studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2 Summer Late Winter Main
EDUH4053 Indigenous Sport, Education and Culture	6	P 60 credit points of professional studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2 Winter Main
EDUH4054 Issues in Nutrition Education	6	P 60 credit points of professional studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 2
EDUH4055 Fitness Training: Theory and Practice	6	P 60 credit points of professional studies in HMHE. <i>Note: Department permission required for enrolment</i>	Semester 1
EDUH4056 Recreation Leadership and Management	6	P 60 credit points of professional studies in HMHE. <i>Note: Department permission required for enrolment</i>	Semester 1
EDUH4057 Administration of PDHPE and Sport	6	P 60 credit points of professional studies in HMHE. <i>Note: Department permission required for enrolment</i>	Semester 2
EDUH4058 Sport and Learning in Australian Culture	6	P 40 credit points <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BEd (Secondary: Design and Technology)			
Year 4 Professional Studies (compulsory units)			
EDDT4001 Teaching and Learning 2 (D & T)	8	P EDDT2007 Teaching and Learning 1 (D&T) or EDSE3002 Craft Knowledge & Professional Practice 1	Semester 1
EDDT4003 Teaching Technology 3A	2	P EDDT2005 Teaching Technology 1A, EDDT2006 Teaching Technology 1B, EDDT3003 Teaching Technology 2A and EDDT3004 Teaching Technology 2B.	Semester 1
EDDT4004 Teaching Technology 3B	2	P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4003 Teaching Technology 3A	Semester 2
EDDT4014 Graduating Design Project	10	P 72 credit points of Design and Technology Education Units	Semester 2
EDDT4015 Professional Experience B	2	P EDDT3005 Professional Experience A	Semester 2
Year 4 curriculum units			
EDDT4005 Food Science 3	3	P EDDT2003 Food Science 1 and EDDT2004 Food Science 2	Semester 1
EDDT4006 Food Science 4	3	P EDDT2003 Food Science 1, EDDT2004 Food Science 2 and EDDT4005 Food Science 3.	Semester 2
EDDT4007 Software Design & Development 1	3		Semester 1
EDDT4008 Software Design & Development 2	3	P EDDT4007 Software Design and Development 1	Semester 2
EDDT4009 Teaching Tech (VET - IT) 1	3	P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B	Semester 1
EDDT4010 Teaching Tech (VET - IT) 2	3	P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4009 Teaching Tech (VET-IT)	Semester 2
EDDT4011 Teaching Tech (VET - Hosp) 1	3	P EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B	Semester 1
EDDT4012 Teaching Tech (VET - Hosp) 2	3	P EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B and EDDT4011 Teaching Tech (VET-Hosp) 1	Semester 2
BEd(Primary)			
Year 1			
EDUP1001 Creative Arts 1	6		Semester 2
EDUP1002 Teaching and Learning: Literacy (Intro)	6		Semester 1
Year 2 Curriculum and Professional studies			
EDUP2002 English 2: Writing as Social Practice	4	P EDUP1002 Teaching and Learning: Literacy	Semester 1
EDUP2004 PDHPE1: Physical Activity	4		Semester 1
EDUP2005 Mathematics 1: Exploring Early Number	4		Semester 2
EDUP2006 Indigenous Australian Education	4	<i>Within New South Wales public schools it is mandatory to implement the Department of Education and Training (DET) Aboriginal Education Policy (1996) and ensure Aboriginal perspectives are provided in all key-learning areas</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDUP2027 Beginning Professional Experiences	8	P EDUP1002 Teaching and Learning: Literacy (Intro)	Semester 2
Year 3 Curriculum and Professional studies			
EDUP3001 PDHPE 2: Active Healthy Primary Schools	4	P EDUP2004 PDHPE1: Physical Activity and 20 credit points of professional studies in Primary Education	Semester 1
EDUP3002 Human Society and its Environment	4	P 20 credit points of professional studies in Primary Education	Semester 1
EDUP3003 Teaching in Multilingual Classrooms	4	P 20 credit points of professional studies in Primary Education	Semester 1
EDUP3004 Mathematics2: Space and Measurement	4	P EDUP2005 Mathematics 1 and 20 credit points of professional studies in Primary Education	Semester 2
EDUP3005 Investigating in Science and Technology	4	P EDUF1016 & EDUF1017 and 20 credit points of professional studies in Primary Education	Semester 2
EDUP3006 English 3: Literature and Literacies	4	P EDUP1002 Teaching and Learning: Literacy (Intro), EDUP 2002 English 2 and 16 credit points of professional studies in Primary Education	Semester 2
EDUP3007 Professional Experiences 2 (Primary)	4	P EDUP2003 Professional Experiences 1 and 20 credit points of professional studies in Primary Education	Semester 2
EDUP3008 Creative Arts 2	4	P EDUP1001 Creative Arts 1 and 20 credit points of professional studies in Primary Education	Semester 1
EDUP3034 PDHPE 3: The Health Promoting School	4	P EDUP2004 and EDUP3001	Semester 2
Year 4 Curriculum and Professional Studies			
EDUP4074 Mathematics Education 3	4	P EDUP2005 and EDUP3004	Semester 1
EDUP4075 Science & Technology (Designing/Making)	4	P EDUF1016, EDUF1017 and EDUP3005	Semester 1
EDUP4076 Multiliteracies	4	P EDUP3006 English 3: Literature and Literacies	Semester 1
EDUP4077 Teaching Children with Special Needs	4	P EDUP3004 and EDUP3006	Semester 2
EDUP4017 Professional Experiences 4 (Primary)	4	P 100 credit points of Professional Studies in Primary Education and EDUP2003 or EDUP2027; EDUP3007; EDUP4079	Semester 2
EDUP4079 Professional Experiences 3 (Primary)	4	P 100 credit points of Professional Studies in Primary Education and EDUP2003 or EDUP2027 and EDUP3007	Semester 1
EDUP4080 Human Society and its Environment 2	4	P EDUP3002 Human Society and Its Environment	Semester 2
Year 4 options			
EDUP4007 Primary Languages A	4	P 100 credit points of Professional Studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4008 Primary Languages B	4	P EDUP4007 Primary Languages A Special Course <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4009 Special Education (A) Special Course	4	P 100 credit points of Professional Studies in Primary Education and EDUF3031 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4010 Special Education (B) Special Course	4	P EDUF3031 - Positive Approaches to Special Education <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4062 Gifted and Talented Education A	4	P 100 credit points of professional studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4063 Gifted and Talented Education B	4	P EDUP4062 Gifted and Talented Education A <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4066 IT in the Primary Classroom A	4	P 100 credit points of Professional Studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4067 IT in the Primary Classroom B	4	P 100 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4068 TESOL (A) Special Course	4	P 100 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4069 TESOL (B) Special Course	4	P EDUP4068 TESOL (A) Special Course <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4070 Integrated Arts (A) Special Course	4	P EDUP1001 Creative Arts 1 & EDUP3008 Creative Arts 2 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4071 Integrated Arts (B) Special Course	4	P EDUP4070 Integrated Arts (A) Special Course <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4072 Koori Kids in School A (Special Course)	4	P 100 credit points of Professional Studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1

4. Education units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDUP4073 Koori Kids in School B (Special Course)	4	P EDUP4072 Koori Kids in School A <i>Note: Department permission required for enrolment</i>	Semester 2
Education Exchange			
Year 2 Education Exchange			
EDUF2553 Education Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Year 3 Education Exchange			
EDUF3553 Education Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EDUF3554 Education Exchange	24	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Year 4 Education Exchange			
EDUF4553 Education Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Year 5 Education Exchange			
EDUF5556 Education Exchange	24	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Aboriginal Studies

KOCR2600

Indigenous Australia: An Introduction

Credit points: 6 **Teacher/Coordinator:** Ms Shino Konishi **Session:** Semester 1, Semester 2 **Classes:** (2 lec x 1hr & 1 x 1hr tut)wk **Prerequisites:** 18 Junior credit points **Prohibitions:** KOCR2100 **Assessment:** one 2000 word essay (40%); one tutorial presentation (10%); one 1000 word tutorial paper (20%); WebCT activities equivalent to 1500 words (30%).

This unit of study explores the historical, social and political contexts of the survival and growth of Aboriginal and Torres Strait Islander cultures and philosophies. The unit is structured around the themes of representation and identities; the colonisation of land and people; and resistance and agency. It will provide students with an introduction to Indigenous philosophies and theories by examining 'contact history' and resistance within a critical framework.

KOCR2601

Indigenous Australia: Land and Culture

Credit points: 6 **Teacher/Coordinator:** Ms Leah Lui-Chivizhe **Session:** Semester 2 **Classes:** (1x 1hr lec & 1 x 2hr tut)wk **Prerequisites:** KOCR2100 or KOCR2600 **Prohibitions:** KOCR2101 **Assessment:** identity exercise(10%), tutorial presentation(20%), tutorial paper(20%) and essay(50%)

This unit of study traces Aboriginal and Torres Strait Islander relationships to country and place, and the continuities and dynamism of contemporary Indigenous Australian cultures. It will celebrate the fact that, despite the impact of colonisation, Indigenous Australian peoples have maintained unique identities and connections to land and sea. Through the themes of Indigenous Sydney, Connections to Place, and Cultural Continuities, we will examine Indigenous belief systems, art, language, performance, and film. This unit of study will include excursions to cultural sites around Sydney.

KOCR2602

Issues in Indigenous Rights

Credit points: 6 **Teacher/Coordinator:** Mr Pete Minter **Session:** Semester 2 **Classes:** (2 x 2hr seminars)wk **Prerequisites:** KOCR2100 or KOCR2600 **Prohibitions:** KOCR2102 **Assessment:** Participation (10%), Seminar Presentation (25%), Literature Review (10%), Media Report (15%) and Research Project: (40%)

In the second half of the 20th Century Aboriginal and Torres Strait Islander peoples began to culturally and politically recover from the effects of colonisation and assimilation. Having had fundamental human rights severely limited by state and federal legislation, and having experienced years of disempowerment, dislocation and social disruption, Indigenous peoples have sought to reclaim independent social and political power. This unit of study explores national and international developments in this history, addressing issues of political and social representation, and examining contemporary analyses of Indigenous rights to self-determination in legal, political and community spheres.

KOCR2603

Indigenous Health and Communities

Credit points: 6 **Teacher/Coordinator:** Ms Katrina Thorpe **Session:** Semester 2 **Classes:** (1 x 1hr lec and 1 x 2hr tut)wk **Prerequisites:** KOCR2100 or KOCR2600 **Prohibitions:** KOCR2111 **Assessment:** tutorial presentation (20%), critical review (30%) and essay (50%)

The continuing poor health status of Indigenous people is well documented. However, attempts at improving Aboriginal health have often been met with inappropriate policy and practice. The challenge in improving Aboriginal health lies partly in improving the knowledge

of non-Indigenous Australians of the historical, cultural and contemporary issues which impact on health. This unit of study will provide opportunities for meaningful contact with Indigenous Australians as a foundation for building partnerships with Indigenous people to improve Aboriginal health.

KOCR2604

Colours of Identity: Indigenous Bodies

Credit points: 6 **Teacher/Coordinator:** Ms Shino Konishi **Session:** Semester 1 **Classes:** (1 x 2hr lec and 1 x 2hr tut) wk **Corequisites:** KOCR2100 or KOCR2600 **Assessment:** one presentation (20%); one 2000 word take-home exam (30%); one 3000 word research essay (50%).

This unit of study explores various ways in which the body contributes to the formation of Indigenous Australian identity, both from within and without. Using contemporary theoretical approaches we will explore the ways in which Indigenous Australian bodies were constructed by colonial discourses; how they were 'othered', fragmented, gendered, and subordinated. We will also explore how Indigenous agency has manifested through the body, for example through withholding labour, political activism, and creative re-presentations of the body.

KOCR2605

Speaking Gamilaraay 1

Credit points: 6 **Teacher/Coordinator:** Mr John Hobson **Session:** Semester 1 **Classes:** (1 x 3hr seminar)wk **Corequisites:** KOCR2100 or KOCR2600 **Assessment:** worksheets(60%) essay(20%) and class test(20%)

Gamilaraay is an Indigenous Australian language from the mid northwest of NSW that is currently undergoing revitalisation. This Unit of Study will provide students with a basic competence in speaking, understanding, reading and writing Gamilaraay sufficient to recognise and construct simple utterances in the language, and to understand its relationships with other languages. Classes will take the form of three hour intensive oral workshops which progressively develop each student's abilities in the language. Assessment will be by short written assignments based on lesson content and an appraisal of individual oral/aural performance together with a short essay on Gamilaraay culture or a related topic.

KOCR2606

Torres Strait Histories and Experiences

Credit points: 6 **Teacher/Coordinator:** Ms Leah Lui-Chivizhe **Session:** Semester 2 **Classes:** 1 x 1hr lec and 1 x 2hr tut) wk **Prerequisites:** KOCR2100 or KOCR2600 **Assessment:** tutorial presentation(20%), critical review(30%) and essay (50%)

Torres Strait Islanders are often talked about as Australia's other indigenous minority and many Australians know little about the region and its people. This Unit of Study will introduce students to Torres Strait societies through the themes of governance, migration and resource management. Students will learn about the diversity within Torres Strait communities and how Torres Strait Islander experiences of colonisation and responses to colonisation were and are as complex as those of Aboriginal people.

KOCR2607

Indigenous Creative Expression

Credit points: 6 **Teacher/Coordinator:** Ms Michelle Blanchard **Session:** Semester 1, Summer Dec **Classes:** 1 x 3hr seminar **Prerequisites:** 18 Junior credit points **Assessment:** essay (40%), seminar presentation (25%) and creative exhibit (35%)

The concept of 'traditional' versus 'contemporary' is very much at the forefront of defining meanings for art works created by Indigenous

artists. Typically works created by Indigenous artists are delegated to either one of these categories. This unit will examine the theoretical frameworks which position Indigenous artists, through the study of Indigenous artistic expression across a range of genres. It will provide students with the opportunity to engage with Indigenous artists on a formal and informal basis and to discuss complex issues pertaining to Indigenous works, in performance, literature(writing), music, dance and film.

Ancient History

ANHS1003

Foundations for Ancient History: Greece

Credit points: 6 **Teacher/Coordinator:** Dr. A. Blanshard, Dr J. Kindt **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One 2000 word class paper, one 2.5 hour exam

This unit of study seeks to reconstruct the social and political history of the men and women of Archaic and Classical Greece through their literature, monuments and traditions. The approach will be thematic rather than chronological, with a concentration on such aspects as religion; social values; developments of law and government; warfare as a social experience and physical reality; competition; the development of natural science, medicine and philosophy and the changing patterns of life in the Greek states and Greece as a whole.

ANHS1005

Power and Persuasion in Rome

Credit points: 6 **Teacher/Coordinator:** Dr Peter Brennan **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One 2000 word class paper, one 2.5 hour exam

Roman History is divided between 'free' Republic and 'autocratic' Empire. The Republic was a system of persuading Romans they were free. The Empire was a system of persuading Romans to accept autocracy. In both periods it was not merely Romans who had to be persuaded: the Roman Empire was a system of world power and world persuasion. Between the Gracchi and the Julio-Claudian emperors the world changed.

ANHS1801

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANHS2601

Ancient Imperialism

Credit points: 6 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History, Classical Studies, Ancient Greek or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Latin, Greek (Ancient), Classical Studies, History, Archaeology (Classical) or Archaeology (Near Eastern) **Prohibitions:** ANHS2001 **Assessment:** one 2 hour exam, one 2000 word class paper

The empire of Rome made the Mediterranean World one. How did a single city win this controlling position? What were the experiences of Rome's predecessors (Sparta, Athens, Carthage) and why did a city-state of the same order make the breakthrough which they did not? Material factors (military, demographic and economic) are balanced against imperial concepts (glory, service, faith and majesty) and the question posed: Is this universal empire best seen as an achievement of conquest, an economic imperative or a world-community being formed? How applicable are our findings to other empires at other times or was Rome historically conditioned and unique?

ANHS2604

Pagans and Christians in the Roman World

Credit points: 6 **Teacher/Coordinator:** Dr Peter Brennan **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), Archaeology (Classical), Archaeology (Near Eastern) **Prohibitions:** ANHS2004 **Assessment:** one 2000 word essay, one 2.5 hour exam

We examine varieties of religious experience and sources of religious authority in the Roman world (c.150-364 CE): ritual, sacrifice, prayer, dreams, visions, oracles, miracle, wonderworking, asceticism, religious "knowledge" (gnosis); the appeal of "new" deities (especially Isis, Mithras and Christ). Did Christianity make a difference in beliefs, experiences, aspirations, attitudes (to the games, war and the military, slavery, sexuality, death and "the world") or the image of snakes? What was the impact of the "conversion of Constantine" and the apostasy of Julian?

ANHS2605

Ancient Greek Religion

Credit points: 6 **Teacher/Coordinator:** Dr Julia Kindt **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History, Classical Studies, Ancient Greek or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Latin, Greek (Ancient), Classical Studies, History, Archaeology (Classical) or Archaeology (Near Eastern) **Assessment:** one 2000 word class paper, one 2 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit explores Greek religion as a defining feature of what it meant to be Greek. We will investigate similarities and differences between religious beliefs and practices throughout the ancient Greek world and trace how religion changed over time. Topics addressed include sacrifice, religious festivals and games, the use (and abuse) of divination, and shared notions of purity and pollution.

ANHS2691

Ancient Historians Rethink History I

Credit points: 6 **Teacher/Coordinator:** Dr Peter Brennan **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Credit average in 12 junior credit points of Ancient History or History OR 6 junior credit points of ANHS and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), Archaeology (Classical) or Archaeology (Near Eastern) **Prohibitions:** ANHS2901, HSTY2901, HSTY2691 **Assessment:** one 2500 word essay, one 1.5 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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.

ANHS2692

Ancient Historians Rethink History 2

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Welch **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Credit average in 12 junior credit points of Ancient History or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), Archaeology (Classical) or Archaeology (Near Eastern) **Prohibitions:** ANHS2902 **Assessment:** one 2500 word essay, one 1.5 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Ancient historians wrote within their own contexts. This semester investigates not only the context of major ancient historians (such as Herodotus, Thucydides, Sallust, Livy, Tacitus) but also how modern historians, under the influence of theories, theorists and approaches studied in first semester, have seen these ancient historians. A major research essay with a strong historiographical orientation will give practice in writing ancient history in the contemporary world.

ANHS2804

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANHS2805

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANHS2806**Ancient History Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ANHS2810****Ancient History Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ANHS2811****Ancient History Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ANHS3601****The Mediterranean World 88-49 BC****Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Welch **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit average in 18 senior credit points of Ancient History or History including ANHS2691 (or HSTY2691) and ANHS2692 **Prohibitions:** ANHS3901, ANHS3911 **Assessment:** One 4000 word seminar paper, one 1.5 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

In 88, Mithridates of Pontus organised the slaughter of thousands of Romans and Italians, thereby plunging the East in a war with Rome; in the same year civil war broke out in Rome itself. We study the crisis in the Mediterranean world from both ends and to see how each end was affected by each other. The rich range of contemporary evidence allows a range of approaches and opportunities to develop skills in historical research and analysis.

ANHS3603**Documents and Ancient History (Greek)****Credit points:** 6 **Teacher/Coordinator:** Dr Julia Kindt **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (GRKA1002 or GRKA2612) OR credit average in 18 senior credit points of GRKA **Prohibitions:** ANHS3903 **Assessment:** One 2000 word class paper, one 2.5 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

Students will read a selection of short documents in a range of genres and media (e.g. coins, inscriptions, prose authors) all connected to similar topics. The major focus will be on the historical significance of the texts and the use made of language, images and even iconography to present a particular point of view.

ANHS3604**Documents and Ancient History (Latin)****Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Welch **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (LATN1002 or LATN2612) OR Credit average in 18 senior credit points of LATN **Prohibitions:** ANHS3904 **Assessment:** One 2000 word class paper, one 2.5 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

Students will read a selection of short documents relevant to Roman History. The focus will be on the historical significance of the language of the texts.

ANHS3609**Herodotus and His World****Credit points:** 6 **Teacher/Coordinator:** Dr Julia Kindt **Session:** Semester 1 **Classes:** One 2 hour lecture per week **Prerequisites:** Credit average in 18 senior credit points of Ancient History or History, including ANHS2691 (or HSTY2691) and ANHS2692 **Assessment:** One 4000 word essay, one 1.5 hour exam

Herodotus' outlook is equally grounded in the archaic and classical periods. Influenced by various authors and genres he created

something new and highly original: a historiographic work that blends history, literature, cultural and military history, ethnography, linguistics and geology. This unit explores the different (intellectual) worlds Herodotus inhabited and relates them to the world he created in his 'Histories'. Perhaps this will enable us to see the link between Cambyse's madness and the gold-digging ants of India?

Anthropology**ANTH1001****Cultural Difference: An Introduction****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Daryl Feil **Session:** Semester 1, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week, occasional hour-long optional film-screenings and workshops **Prohibitions:** ANTH1003 **Assessment:** 2500 words of written work (50%) and one 2 hour exam (50%)

Anthropology explores and explains cultural difference while affirming the unity of humankind. It provides accounts of cultural specificity that illuminate the world today. Lectures will address some examples of cultural difference from the present and the past. These examples will introduce modern Anthropology, the method of ethnography, and its related forms of social and cultural analysis.

Textbooks

readings will be available at the University Copy Centre

ANTH1002**Globalisation and Experience****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ghassan Hage **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** ANTH1004 **Assessment:** 2500 words of written work (50%) and one 2 hour exam (50%)

Anthropology's ethnographic method, long term embedded-ness within a specific culture, allows for a particularly intimate understanding of people's experiences of the social worlds they inhabit. This course shows the importance of this experiential intimacy for understanding some of the key issues associated with globalisation: the culturally diverse adaptations of global capitalism, the transnational communities emanating from global population movements, the transformations of colonial and post-colonial cultures, the rise of global Islamic movements and the corresponding transformation of Western nationalism.

Textbooks

readings will be available at the University Copy Centre

ANTH1801**Social Anthropology Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ANTH1802****Social Anthropology Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ANTH2604****Australia-Pacific: Indigenous Worlds****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Daryl Feil **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** ANTH2112 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit explores specifically anthropological issues of the indigenous peoples of Australia and the Pacific in comparative perspective. Topical themes will include the common threads of prehistory, history, colonialism and change and development, gender, economy and social organization. The theories anthropologists have used to understand these societies will provide the framework for discussion.

ANTH2606**Culture and the Unconscious****Credit points:** 6 **Teacher/Coordinator:** Dr Jadran Mimica **Session:** Semester 1 **Classes:** 3 hours of lectures and one 1 hour tutorial per week **Prerequisites:**

12 Junior credit points of Anthropology **Assessment:** one 3500 word essay (70%) and one 2 hour exam (30%)

This is a unit on psychoanalytic anthropology. With the focus on the unconscious dimension of human cultural existence the unit critically examines the systematic topical, theoretical, ethnographic and historical aspects of this unique field of anthropological inquiry. All psychoanalytic conceptual frameworks are elucidated and assessed through ethno-psychoanalytic work done in different cultural life-worlds. Firmly grounded in detailed ethnographic evidence the unit provides a comprehensive phenomenological-existential validation of the discipline and its contribution to both anthropology and psychoanalysis.

Textbooks

readings will be available at the University Copy Centre

ANTH2613

Imagination, Narcissism & Identification

Credit points: 6 **Teacher/Coordinator:** Dr Jadran Mimica **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2013 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit explores psychoanalytic anthropology in relation to three pivotal modalities of the psyche. Although psychoanalytic theory is treated in its diversity, a special emphasis is placed on the originality of Melanie Klein and the British Object-relations theory of psychoanalysis, and on the Jungian analytic of the archetypal dimension of human psyche. The diversity and validity of psychoanalysis are assessed both in relation to the primary field of its analytic-therapeutic practice and anthropology as grounded in ethnographic fieldwork.

Textbooks

readings will be available at the University Copy Centre

ANTH2621

Initiation Rituals

Credit points: 6 **Teacher/Coordinator:** Dr Jadran Mimica **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2021 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit examines and elucidates a wide range of phenomena commonly known as "initiation rituals". Through a wealth of ethnographies the course surveys male and female forms of these practices and appraises their various interpretations by anthropologists, psychoanalysts and scholars of comparative religion. A special focus is on the psycho-dynamics and meanings of self-transformations which these radical practices effect upon the practitioners themselves. The unit also articulates a general theory of ritual action grounded in phenomenology and psychoanalysis.

Textbooks

reading lists will be available at the beginning of lectures

ANTH2622

Ethnographic Film

Credit points: 6 **Teacher/Coordinator:** Dr Neil Maclean **Session:** Semester 2 **Classes:** 3 hours of lectures and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2106, ANTH2022 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit examines the ethnographic value of film in contrast with more conventional textual forms of representation. The first half focuses on theories of ethnographic filming and the second on the significance of film within the ethnography of Papua New Guinea. Themes include family narratives or ethnographic soap opera; problems with the representation of violence and the value of 'shock'; filming and contextualising intimacy; primitivism as an ethnographic subject; irony and humour. This unit is a critical, not practical unit of study.

Textbooks

Readings will be available at the University Copy Centre.

ANTH2623

Gender: Anthropological Studies

Credit points: 6 **Teacher/Coordinator:** Dr Michael Nihill **Session:** Semester 1, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week

Prerequisites: 12 junior credit points of Anthropology **Prohibitions:** ANTH2020, ANTH2023 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit explores the social and cultural dimensions of gender and sexuality in non-western societies. The main focus is the body in two interrelated senses. Firstly, how the body is culturally constructed by giving aspects of gender and sexuality meanings that do not simply reflect biology. Secondly, how bodies are socially constructed, for example through ritual. The relations of the dimensions of the body to the articulation of power and social change are also considered.

Textbooks

readings will be available at the University Copy Centre

ANTH2626

The City: Global Flows and Local Forms

Credit points: 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2026 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Modern cities are produced in two ways: (a) as types of city responsive to their larger social and cultural environment - the metropolis, the trading or rural centre and the city of sprawling shanty towns; (b) as types of ordered urban space that allocate different identities to a city's inhabitants. This unit focuses on ethnographic and historical studies of urbanism around the world. Lectures will also discuss the method of ethnography and its many uses for research in urban environments.

ANTH2628

Migration and Migrant Cultures

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ghassan Hage **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2120, ANTH2121 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit deals with the anthropology of migration and settlement. We examine the social cause of migration and the subjective experience of migrants from the moment they begin to contemplate leaving to the moment they actually arrive in another country. We study the migrant cultures that take shape in the process of settlement: the sub-national 'ethnic' cultures that emerge in specific countries and the transnational cultural forms that emerge from migrants relating to each other across national borders.

Textbooks

readings will be available at the University Copy Centre

ANTH2630

Indigenous Australians and Modernity

Credit points: 6 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Assessment:** one 1500 word essay, one 2500 word essay and one 2 hour exam

Australian Aboriginal peoples have always engaged with the 'modern world' but Enlightenment ideas established a colonial context juxtaposing modernity with tradition. Indigenous difference was locked into past-oriented, static and small scale traditions. The unit examines some key concepts of modernity, including progress, civility, change, tradition - and modernity itself - so as to shed light on Australian Indigenous people's experiences, past and present, as colonial subjects. The unit will explore Aboriginal engagement with, for instance, work, vehicles, the law, and the arts (painting, music etc) as practices through which Aboriginal people have sought 'alternative modernities'.

ANTH2653

Economy and Culture

Credit points: 6 **Teacher/Coordinator:** Dr Neil Maclean **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Anthropology **Assessment:** one 2500 word essay (50%) and one 2 hour exam (50%)

Economic anthropology teaches that there are different kinds of economy, grounded in different forms of value (gift, commodity) and

on different rationalities (kinship, chiefly, market). The nature of these differences is explored through ethnographic studies, as are the conflicts that arise from their articulation within a global system. Characterisations of economic practice are as corrupt, irrational, informal, black, profit as the work of the devil, money as bitter are treated as signs of such systemic conflict.

Textbooks

reading lists will be available at the beginning of semester

ANTH2658

New Heavens, New Earth

Credit points: 6 **Teacher/Coordinator:** Dr Neil Maclean **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH3955 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

'Cargo cults' are a major focus of cultural change in Melanesia. 'Cargo' refers to the desire of local people to attain new forms of material goods and - given the centrality of wealth for articulating both individual identities and social relations in Melanesia - the means for expressing and experiencing new forms of self and society. A variety of theoretical and methodological issues are explored through these movements being utilised to explore aspects of historical anthropology.

ANTH2662

Jamaican Popular Culture

Credit points: 6 **Teacher/Coordinator:** Prof Diane Austin-Broos **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Assessment:** one 2000-2500 word essay and one 2 hour exam

Jamaican culture today includes a number of notable forms - Revival, Rastafarianism, reggae, dancehall and 'dub'. This unit explores the social, symbolic and political contexts of these forms including the changing significance of Jamaican black nationalism. Lectures will address two fundamentals of modern culture: local specificity and global engagement. Students will learn about the history of trans-Atlantic slavery that brought Jamaican culture into being and the long struggle for liberation that has made this culture a modern global phenomenon.

ANTH2804

Social Anthropology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANTH2805

Social Anthropology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANTH2806

Social Anthropology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANTH2810

Social Anthropology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANTH2811

Social Anthropology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ANTH3601

Honours Preparation 1

Credit points: 6 **Teacher/Coordinator:** Dr Neil Maclean **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 12 credit points of Senior Anthropology at Credit level or above **Prohibitions:** ANTH3921, ANH3922 **Assessment:** 6000 words of written work

The honours preparation seminar will assist students to define their objectives in anthropology and anticipate their honours year through: 1) exploring key concepts of anthropological analysis and critique, 2) increasing their knowledge of the ethnographic method and its contemporary challenges, 3) developing library research skills and experience in formulating a research project.

ANTH3611

Reading Melanesian Ethnographies

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Daryl Feil **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 12 Credit Points of Senior Anthropology completed at Credit level or above **Prohibitions:** ANTH3951 **Assessment:** one 4000 word essay and one 2000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit explores the distinctiveness of New Guinea modes of existence through a set of regionally connected ethnographies. Standard anthropological categories of kinship, social organisation, exchange, ritual, etc. are placed in the perspective of New Guinea realities and accounted for in terms of experiences, meanings, and understandings internal of indigenous cultural life-worlds. Critical attention is paid to the anthropological theoretical perspectives which determine ethnographic interpretations. One Reading Ethnography Unit (ANTH361X) must be taken for entry into Anthropology Fourth Year Honours.

Textbooks

reading lists will be available at the beginning of lectures

ANTH3613

Reading Aboriginal Ethnographies

Credit points: 6 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 12 credit points of senior Anthropology completed at credit level or above **Prohibitions:** ANTH3835 **Assessment:** one 4000 word essay and one 2000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will take a range of different types of ethnography and consider the debates that have revolved around each one. Some of the ethnographers discussed include Meggitt, Hiatt, Myers, Stanner, Munn, Morphy, Dussart, Povinelli and Morris. The debates will involve issues of social organization, art and representation, gender, and change. The unit will also address the practice of ethnography and changing conceptions of it.

Textbooks

reading lists will be available at beginning of semester

Arabic Language, Literature and Culture

ARBC1611

Arabic Introductory 1B

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 4 face-to-face classes per week and 1 hour autonomous learning in language lab **Prohibitions:** ARBC1311, ARBC1312, ARBC1101, ARBC1102 **Assessment:** 2.5-hour exam, regular assignments, class assessment.

This unit aims to teach Arabic as a living language. It is meant for students with no previous learning experience of the language. The unit is designed to introduce and build up basic language skills: listening and speaking, reading and writing, using modern standard and educated every-day Arabic. Students will learn basic vocabulary, language structures, morphology and syntax of Arabic in context, through lively dialogues, realistic conversational situations, story lines, exercises and drills, rather than formal grammar. On completion of this unit, students progress to ARBC1612 in second semester.

Textbooks

Nijmeh Hajjar, Living Arabic in Context: An Introductory Course, Beirut, 2005.

ARBC1612

Arabic Introductory 2B

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 4 face-to-face classes per week and 1 hour autonomous learning in language lab **Prerequisites:** ARBC1101 or ARBC1611 (or equivalent)

Prohibitions: ARBC1311, ARBC1312, ARBC1102 **Assessment:** 2.5-hour exam, regular assignments, class assessment.

This unit aims to strengthen students' listening, speaking, reading and writing skills in living Arabic. Emphasis will be on building up communicative ability as well as extending the vocabulary and language structures through realistic dialogues and story lines in modern standard and educated every-day Arabic. Morphology and syntax of Arabic are gradually introduced in context through a structured method of progression, using realistic patterns, exercises and drills, rather than formal grammar. On completion of this unit, students progress to ARBC2613.

Textbooks

Nijmeh Hajjar, *Living Arabic in Context: Arabic for Beginners*, Stage 2, Sydney, 2004. (For textbook and audio CDs consult the department.)

ARBC2613

Arabic Language and Literature 3B

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** ARBC1102 or ARBC1612 or equivalent **Prohibitions:** ARBC1311, ARBC1312, ARBC2633, ARBC2634, ARBC2103 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%).

This unit aims to extend students' language skills in Arabic and enable them to appreciate Arabic literary texts. Students will be able to build up their communicative ability and extend their knowledge of modern Arabic vocabulary and structures, through realistic dialogues and class activity, including role-playing. They will be introduced to modern Arabic literature through reading and discussing selected texts by prominent authors, in their societal context. On completion of this unit, students progress to ARBC2614.

Textbooks

Language material and a selection of literary texts will be available (consult the department).

ARBC2614

Arabic Language and Literature 4B

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ARBC2103 or ARBC2613 or equivalent **Prohibitions:** ARBC2104, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%).

This unit aims at further strengthening students' communicative skills in Arabic, both aural/oral and written, as well as building up their ability to read, appreciate and discuss samples of Arabic literature by prominent authors in their societal context. Students will be able to extend their knowledge of Arabic vocabulary and structures through realistic dialogues, role-playing and the use of a range of recorded material in Arabic. On completion of this unit, students progress to ARBC3615.

Textbooks

Language material and a selection of literary texts will be available (consult the department).

ARBC2633

Arabic Advanced Language & Literature 3A

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners (subject to placement test) or equivalent **Prohibitions:** ARBC1311 **Assessment:** Regular assignments (equivalent to 2500 words), essay/exam (equivalent to 2000 words).

This unit aims to strengthen practical language skills, including writing and translation, to enrich the student's understanding of Arabic literature and culture, develop their analytical and critical skills through reading of a variety of Arabic texts by writers from different Arab countries, focusing on themes of modernity and identity as reflected in modern Arabic essays on political, social and cultural issues and in contemporary Arabic literature in general.

Textbooks

A dossier of texts will be provided.

ARBC2634

Arabic Advanced Language & Literature 4A

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ARBC1311 or ARBC2633 **Prohibitions:** ARBC1312, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2500 words), essay/exam (equivalent to 2000 words).

This unit aims to strengthen practical language skills in Arabic, building on the approach followed in semester 1, including writing and translation skills to enrich students' understanding of Arabic literature and culture, and to develop their analytical and critical skills through reading of modern Arabic writers from various Arab countries.

Textbooks

A dossier of texts will be provided.

ARBC2811

Arabic Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC2812

Arabic Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC2813

Arabic Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC2814

Arabic Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC3615

Arabic Language and Literature 5B

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** ARBC2104 or ARBC2614 or equivalent **Prohibitions:** ARBC2105, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%).

This unit aims to consolidate students' communicative skills, using realistic dialogues in modern standard and educated every-day Arabic, and samples of the Arabic press and electronic media. It equally aims to extend students' knowledge and appreciation of Arabic literature and culture through reading and discussion of representative texts by major Arabic authors in their societal context, with examples from different genres. On completion of this unit, students progress to ARBC3616.

Textbooks

Language material and a selection of literary texts will be available (consult the department).

ARBC3616

Arabic Language and Literature 6B

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ARBC2105 or ARBC3615 or equivalent **Prohibitions:** ARBC2106, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%).

This unit aims to consolidate the students' competence in Arabic through dialogues in modern standard and educated every-day Arabic, reading and listening to material from the contemporary Arabic media, as well as writing and translation tasks relevant to real life situations.

This unit equally aims to extend the students' knowledge and appreciation of Arabic literature and culture through reading and discussion of further representative texts by major Arabic authors in their societal context, with examples from different genres.

Textbooks

Language material, a selection of literary texts will be available (consult the department).

ARBC3635

Arabic Advanced Translation & Writing 5A

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ARBC1312 or ARBC2633 (or equivalent) **Prohibitions:** ARBC2313, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words).

This unit aims to develop written fluency in Arabic and English through translation methodology and skills. The course is designed to further develop students' advanced writing, reading and interpreting skills. Practical tasks will include translation from Arabic into English and vice versa, using a wide range of texts, including creative literature, the press, business and diplomatic correspondence and basic scientific, technical and literary documents.

Textbooks

Consult the department.

ARBC3636

Arabic Advanced for Media Studies 6A

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ARBC1311 or ARBC2633 (or equivalent) **Prohibitions:** ARBC1101, ARBC1102, ARBC1611, ARBC1612, ARBC2314 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words).

This unit aims to strengthen advanced practical language skills in Arabic, including writing and communication, with focus on living Arabic for media studies, to enrich the students' understanding of Arabic media and culture, and to develop their practical and critical skills through dealing with a range of Arabic media.

Textbooks

Consult the department.

ARBC3637

Arabic Advanced Translation & Writing 7A

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ARBC1312 or ARBC2634 **Prohibitions:** ARBC2315, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words).

This unit aims to further develop written fluency in Arabic and English through translation methodology and skills. The course is designed to further strengthen students' advanced writing, reading, translation and interpreting ability. Practical tasks will include translation from Arabic into English and vice versa, using realistic contexts and a wide range of texts, including creative literature, the press, business and diplomatic correspondence and basic scientific, technical and literary documents.

Textbooks

Consult the department.

ARBC3638

Arabic Advanced for Media Studies 8A

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ARBC1311 or ARBC2633 **Prohibitions:** ARBC2316, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words).

This unit aims to strengthen advanced practical language skills in Arabic, including writing, translation and communication, with focus on living Arabic for media studies, to enrich the students' understanding of Arabic media and culture, and to develop their practical and critical skills through dealing with a range of material related to the Arabic media, both written and electronic.

Textbooks

Consult the department.

Arab World, Islam and The Middle East

ARIS1671

Arabs, Islam & Middle East: Introduction

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** 2000 word essay, class presentation, final exam.

This unit provides an introduction to the study of the Arab world, Islam and the Middle East. It focuses on Arab and Islamic society and culture in the Middle East. Main themes include: Geographical setting and historical orientations; environment and society, the Arabs and the world of late antiquity; the importance of Arab trade and seafaring; the rise of Islam: the Prophet Muhammad and the Qur'an, Pillars of Islam and Community, the early Arab Islamic Caliphate; religion and politics in the Islamic tradition, Islamic law and society, aspects of Middle Eastern socio-economic and cultural life in the age of the Caliphate as a background to the early modern Middle East: up to Ottoman times. On completion of this unit, students proceed to ARIS1672 in Semester 2.

Textbooks

Course readings and bibliography will be available.

ARIS1672

Arab-Islamic Civilisation: Introduction

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ARIS1001 or ARIS1671 **Assessment:** 2000 word essay, class presentation, final exam.

This unit focuses on Arab and Islamic Learning, Spirituality and Art. Themes include: The scope of classical Arabic learning: Qur'anic studies and Prophetic traditions, the Hellenistic legacy in Arabic learning, Islamic philosophy and sciences, geographical writings and historiography, issues in Islamic theology, role of scholars, the concept of knowledge; contribution of Arabic-speaking Christian scholars to classical Arab intellectual life; Islamic asceticism, mysticism and the Sufi orders; Arab and Islamic aesthetics: religious and secular art, architectural design and decoration, the role of calligraphy, geometry and arabesque. On completion of the above two units, students proceed to ARIS3675 and ARIS3676 in the year 2008; and to ARIS2673 and ARIS2674 in the year 2009.

Textbooks

Course readings and bibliography will be available.

ARIS2673

Islam and Muslims in World History

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Shboul **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ARIS1001 or ARIS1671 or equivalent **Prohibitions:** ARIS2003 **Assessment:** Essay (2250 words), take-home exam (2250 words), tutorial participation.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit focuses on the role of Islam in world history through the discussion of issues of intercultural relations and acculturation. It highlights Islam's place in the Mediterranean world, connections with Eastern Christianity, including Byzantium, the Islamic-European encounter in Spain and Sicily and the Crusades from an Arab perspective. The unit deals with the significance of acculturation and adaptation of Islamic traditions in different parts of Africa and Asia and the role of urbanisation and trade in Islamic history.

Textbooks

Course readings, bibliography and brief notes will be available.

ARIS2674

Islam and Politics: Modernity Challenges

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ARIS1001 or ARIS1671 **Prohibitions:** ARIS2004 **Assessment:** Essay (2250 words), take-home exam (2250 words), tutorial participation.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit focuses on Islam as a political and cultural force in the modern world, particularly in the Middle East, North Africa and Asia. Issues include: Islamic political thought, the Sunna-Shi'a divergence and the significance of Shi'a Islam, Islamic traditionalism, reform, radicalism, Jihad and 'fundamentalism', Islamic political movements in Arab countries, Turkey, Iran and Asia, Islam and legitimacy of political regimes, Muslim minorities in the world, current debates on the 'Islamic threat', 'terrorism', 'clash of civilisations' and Islamic-Western mutual perceptions.

Textbooks

Course readings, bibliography and brief notes will be available.

ARIS3680

Approaches to Arabic and Islamic Studies

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 2 **Classes:** 2 hours of seminars per week **Prerequisites:** Credit in ARIS2673 or ARIS3675 or ARIS2003 or ARIS2005, plus credit in ARBC2613 or ARBC3635 or ARBC2103 or ARBC2313 **Assessment:** Essay in English (3000 words) with a summary in Arabic (1000 words), 15 minute presentation in either Arabic or English (equivalent to 2000 words).

This unit, which is a pre-requisite for intending honours students, will provide students with a grounding in approaches, research tools and critical methodologies in various aspects of Arabic, Islamic and Middle Eastern Studies today and familiarise them with a range of available resources to support research in this field. It will enable students to discuss issues with established researchers and to carry out practical exercises aimed at developing their critical and analytical skills and their ability to embark on their own individual research projects under supervision in specific areas of Arab, Islamic and Middle Eastern Studies.

Textbooks

Course readings, bibliography and brief notes will be available.

Archaeology (Classical)

ARCL1001

Art & Archaeology of the Classical World

Credit points: 6 **Teacher/Coordinator:** Prof Margaret Miller, Dr Ted Robinson **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 2 hour exam (40%), two visual tests (30%), one 1500 word essay (30%)

Introduction to the art and archaeology of the Mediterranean and especially the Classical World. This unit of study has a double aim: to provide a solid basis for those students who intend to pursue archaeological studies, possibly to a postgraduate level, and to give an overall survey to those who have an interest in the Ancient World as a complement to their studies of any aspect of Western civilisation. The unit of study focuses on some of the most important archaeological sites of Greece, starting with the Bronze Age (Knossos, Santorini, Mycenae) before turning to the Iron Age, the Classical and Hellenistic periods (Athens, Delphi and Olympia). The unit of study then moves to Italy, starting with the Bronze Age (particularly the flourishing Nuraghe civilisation of Sardinia), then continuing with the Early Iron Age Villanovan culture of Central Italy, Greek colonisation, and the indigenous populations of the peninsula, particularly the Etruscans. The unit of study concludes with Pompeii (with due assessment of the contributions made in recent years by an Australian team to our knowledge of its history) and Rome. Throughout the unit of study we will be looking at the methods used by archaeologists to study the different classes of material, and at the history of the study of Classical monuments. Classical Antiquity has been of great importance far beyond the bounds of archaeology, and we will look at how the Classical past has been constructed and used in more recent times.

ARCL1801

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2601

The World of Classical Athens

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 2, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 6 Junior credit points of Archaeology and 6 Junior credit points of Archaeology or Classical Civilization or Ancient History **Prohibitions:** ARCL2001 **Assessment:** one 2 hour exam, one 2000 word essay and one visual test

Note: Department permission required for enrolment in the following sessions: Summer Main.

Note: In Summer the unit will be taught as a three week intensive program in Athens. To register your interest, please contact Dr Lesley Beaumont via email, lesley.beaumont@arts.usyd.edu.au

The unit focuses on the development of Athenian vase-painting, sculpture and architecture during the sixth and fifth centuries BC. Questions of chronology, style, technique and iconography/iconology are addressed and are related to the social, political and historical context in which Athenian material culture took shape. Lectures are complemented by regular tutorials which make use of Ancient Greek artefacts in the collections of the Nicholson Museum.

ARCL2603

Archaeology of Pre-Roman Italy

Credit points: 6 **Teacher/Coordinator:** Dr Ted Robinson **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 6 Junior credit points of Archaeology and either 6 Junior credit points of Archaeology or Classical Civilisation or Classical Studies or Ancient History **Prohibitions:** ARCL3001 **Assessment:** one 2000 word essay, one 2 hour exam, classwork in tutorials

This unit of study will concentrate on South Italy and Sicily; beginning at the transition to the Neolithic period, particular attention will be given to the Bronze Age and the contacts between Italy and the wider Mediterranean at that time. The main focus of the course will be on the Iron Age and the development of the numerous and varied groups of indigenous Italians who inhabited South Italy and Sicily. The phenomenon of Greek colonisation will be treated in detail, and the course will conclude with the Roman conquest of these regions and the changes wrought by Roman domination of the Greek and indigenous territories.

ARCL2604

Aegean Prehistory (ca 3000-1100 BC)

Credit points: 6 **Teacher/Coordinator:** Prof Margaret Miller **Session:** Semester 1 **Classes:** one 2 hour lecture per week **Prerequisites:** 6 Junior credit points of Archaeology and either 6 Junior credit points of Archaeology or Classical Civilisation or Classical Studies or Ancient History **Assessment:** one 1 hour mid-term test (20%), one 3000 word essay (40%), one 2 hour exam (40%)

In the Greek bronze age, three distinctive but interrelated cultures arose: the Cycladic in the Aegean islands, the Minoan on Crete, and the Helladic (Mycenaean) on the Greek mainland. Their characteristic features are outlined in roughly chronological order through focused study of specific sites and categories of materials. Then such themes as state formation, social structure, religious expression, local and international trade, and the collapse of the palace-based economy at the end of the bronze age, are explored.

ARCL2605

The Archaeology of the Roman East

Credit points: 6 **Teacher/Coordinator:** Dr Kate da Costa **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Archaeology or Classical Civilisation/Classical Studies or Ancient History **Assessment:** one 2500 word essay (40%), class work in tutorials (25%), one 1 hour exam (35%)

Between the inheritance of Pergamon in 133BC and the Islamic conquest of the Levant in 640AD, Rome gained political control over territory stretching from Asia Minor, through the Levant to Egypt. This course introduces significant sites and material culture showing the interaction of Rome and local cultures. It examines evidence from settlement patterns, architecture, trade and manufacture, luxury and humble products, domestic and sacred contexts in order to understand the nature and functioning of the Roman Eastern Empire.

ARCL2690**Special Topics in Classical Athens**

Credit points: 6 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** Credit result in ARCL1001 **Corequisites:** ARCL2601 **Prohibitions:** ARCL2900 **Assessment:** one 3500 word essay, one 2 hour exam, seminar participation and presentation

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The unit critically explores Athenian material culture in the Archaic and Classical periods as a tangible but complex reflection of Athenian society's beliefs, attitudes, perceptions and value systems. Themes covered include body ideal, homosexuality, gender, age, social class, women, children and foreigners. Students are encouraged to suggest additional topics in which they might have a particular interest.

ARCL2804**Archaeology (Classical) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2805**Archaeology (Classical) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2806**Archaeology (Classical) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2810**Archaeology (Classical) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2811**Archaeology (Classical) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL3691**Research Issues in Classical Archaeology**

Credit points: 6 **Teacher/Coordinator:** Prof Margaret Miller **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** Credit result in ARCL2690 **Prohibitions:** ARCL3901 **Assessment:** one 5000 word essay, two seminar presentations

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In each year a specific issue of current interest is chosen. For 2007 the topic is The Greek Symposium - an archaeological approach. The symposium (literally "drinking together") was a central Greek social institution throughout the Archaic, Classical, and Hellenistic periods. The material experience of the symposium is studied through the archaeological, iconographic, and literary evidence. To provide contrast and context, parallel practices in other cultural traditions (Bronze Age Greece, Ancient Near East, Roman Italy) are considered.

Archaeology (Near Eastern)**ARNE1001****Archaeology of the Near East**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Alison Betts **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** one 2 hour exam, two tutorial exercises, one 2000 word essay

This unit of study is a foundation course both for students who wish to pursue a degree in Archaeology and also for those who would simply like to broaden their perspective on ancient culture. The course provides an introduction to the wide sweep of cultures which have shaped western and central Asia. Students will learn about the foundations of ancient society, the development of agriculture, the

earliest forms of writing and how civilizations developed in rich and varied ways across the ancient world. The unit of study is taught within a broad chronological framework, beginning with the growth of the first farming villages and going on to explore the rise of kingdoms and empires, covering major topics such as warfare and defence, temples and palaces, burial customs, religion and the establishment of complex trade networks. Regional cultural development is also examined, with special focus on Egypt, Mesopotamia, the Arabian Gulf, Iran, Central Asia and the Indus Valley.

ARNE1801**Archaeology (Near Eastern) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2601**Egyptian Archaeology**

Credit points: 6 **Teacher/Coordinator:** Dr Christian Knoblauch **Session:** Semester 2 **Classes:** 2 hours of lectures per week **Prerequisites:** 12 junior credit points of Archaeology, Classical Civilisation or Ancient History **Prohibitions:** ARNE2010 **Assessment:** one 1 hour test, one 3000 word essay and one 2 hour exam

This unit offers the student an introduction to the rich cultures of ancient Egypt, examining the rise of the complex society in Egypt, and the development, floruit and regional impact of the Egyptian state. It will explore Egyptian art, architecture, material culture, religion, kinship and attitudes to death and burial.

ARNE2603**Introduction to the Archaeology of Iran**

Credit points: 6 **Teacher/Coordinator:** Prof Dan Potts **Session:** Semester 1 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Archaeology, Classical Civilisation or Ancient History **Assessment:** two 3000 word essays

An introduction to the art, archaeology, religion, landscape and settlement patterns of the principal cultures inhabiting the Iranian plateau and adjacent regions, with special emphasis on the culture of the Elamites, Persians, Parthians and Sasanians from prehistoric times to the 6th century AD.

ARNE2606**The Archaeology of Central Asia**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Alison Betts **Session:** Semester 1 **Classes:** one 2 hour lecture per week **Prerequisites:** 12 junior credit points from Archaeology, Classical Civilisation or Ancient History. **Assessment:** one 500 word paper, one 2000 word essay, one 3500 word research paper

This unit of study covers the archaeology of Central Asia from later prehistory to the rise of Islam. The region bridges east and west, with cultural and political influences from China, India and Persia blending into those of Mesopotamia and the Classical World. Topics include regional early state development in the Bronze Age, Achaemenid and Hellenistic influences, the empire of the Kushans and the rise of nomadic societies in the northern steppes.

ARNE2804**Archaeology (Near Eastern) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2805**Archaeology (Near Eastern) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2806**Archaeology (Near Eastern) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2810

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARNE2811

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARNE3691

Special Topics in West Asian Archaeology

Credit points: 6 **Teacher/Coordinator:** Prof Dan Potts **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** Credit result in ARNE1001 **Corequisites:** ARNE2603 or ARNE2606 **Prohibitions:** ARNE3901 **Assessment:** one 3000 word essay and one 3000 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

An advanced seminar for students who wish to develop their research, analytical, writing and presentation skills by investigating a body of material from selected excavations in the Near East. Specific topics will vary from year to year with an emphasis on ancient technology, iconography, chronology and spatial distribution.

Archaeology (Prehistoric and Historical)

ARPH1001

Introduction to Archaeology

Credit points: 6 **Teacher/Coordinator:** Dr Martin Gibbs, Dr Lesley Beaumont **Session:** Semester 1, Winter Main **Classes:** three 1 hour lectures per week; one 2 hour workshop per week for 6 weeks of semester **Assessment:** one 2000 word essay, short exercises (including self-guided tutorials, on-line quizzes), one 1500 word exam

Archaeology is a dynamic world-wide discipline which draws on both the sciences and humanities to interpret material remains of the human past. This unit presents archaeology's major discoveries from the earliest origins of humanity in deep prehistory to more recent historical periods. Case studies based on current field research in the Mediterranean, Near East, West and South East Asian, Australia and beyond will introduce students to key aspects of archaeological method and theory and explore links between current archaeological practice and heritage issues of wide public interest. The unit is taught by staff from across the spectrum of archaeology. It provides an introduction useful for any senior unit of study in Archaeology. It will also interest anyone with a more general interest in this fascinating, popular and topical field of study.

ARPH1801

Archaeology (Prehistoric & Historic) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARPH2602

Scientific Analysis of Materials

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Simon Ringer, Ms Wendy Reade **Session:** Semester 2 **Classes:** one 3 hour lecture/seminar per week **Prerequisites:** 12 Junior credit points in Archaeology **Prohibitions:** ARPH2621 **Assessment:** four 1000 word assignments

This unit examines the structure and properties of archaeological materials, with an emphasis on the methodology and approaches to scientific analysis. A range of analytical techniques, including spectroscopic and electron microscopy methods, is introduced. The accent is on archaeological applications, and assessment is by assignment and practical sessions.

ARPH2603

The Archaeology of Society

Credit points: 6 **Teacher/Coordinator:** Dr Dougald O'Reilly **Session:** Semester 1 **Classes:** one 2 hour lecture per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2003 **Assessment:** two 1500 word essays and one 1500 word project

A global introduction to the processes and issues involved in the major transformation of human settlement behaviour since the end of the last glacial phase. Essay and project topics are arranged on an individual basis in consultation with the coordinator to suit the interests of students. Topics may be chosen on a worldwide basis. This unit of study can be used to conduct a detailed study of one region or to gain experience of a diversity of regions and topics.

ARPH2605

Archaeology of Modern Times

Credit points: 6 **Teacher/Coordinator:** Dr Wayne Johnson **Session:** Semester 1 **Classes:** one 1 hour lecture and one 2 hour lecture per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2005 **Assessment:** one 2500 word essay, one 1000 word paper and presentation, one class test

This unit investigates the material culture of European colonialism and expansion after AD1500, examining Southeast Asia, the Americas and South Africa, with an emphasis on Australia from AD1788 to the present day. The course will include a hands-on workshop examining artefacts from post-AD1788 Australian sites.

ARPH2611

The Archaeology of Asia

Credit points: 6 **Teacher/Coordinator:** Dr Dougald O'Reilly **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH1003 **Assessment:** two 2000 word essays

An introduction to the archaeology of eastern and southern Asia from two million years ago to the fall of the Ching dynasty in the 19th/20th century AD in China.

ARPH2612

Historical Archaeology

Credit points: 6 **Teacher/Coordinator:** Dr Martin Gibbs **Session:** Semester 2 **Classes:** one 2 hour lecture per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2702 **Assessment:** one 4000 word essay, one 2000 word take-home exam or online test

This course will introduce students to the international development of historical archaeology since 1960. Because of its explicit links to historiography and documentary scholarship, historical archaeology enjoys a uniquely interdisciplinary perspective, and has been directly influenced by shifts in both anthropology and history. The current practice and international form of historical archaeology will therefore be explored in detail. Students will be required to participate in class discussions, produce oral presentations on reading materials, and complete written assignments.

ARPH2614

Archaeological Methods

Credit points: 6 **Teacher/Coordinator:** Dr Dougald O'Reilly **Session:** Semester 2 **Classes:** 3 hours of workshops per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2604 **Assessment:** laboratory exercises and 3000 word report, one 1500 word exam **Practical field work:** Fieldwork and/or laboratory work

An introduction to post-fieldwork archaeological laboratory principles and practices. The unit introduces students to key principles for the effective management and processing of archaeological finds and other materials excavated from archaeological sites, recording and interpretation of data recorded from this materials and the application of various methods of analysis which can be used to produce different types of archaeological knowledge and interpretation.

ARPH2616

Public Archaeology

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Colley **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour seminar per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2010 **Assessment:** one 2500 word essay, one 1000 word seminar write-up, one 1000 word in-class test

This unit introduces and discusses the theory and practice of archaeology in the public domain where archaeologists have responsibilities to Indigenous peoples, community groups, clients and

government. Australian and other case studies will be used to discuss the public benefits of archaeology and ways in which government policies and legislation and issues surrounding ethics and professionalism interact with popular and public understandings of the past to produce different kinds of archaeological knowledge and practice which have historical and contemporary evidence.

Textbooks

M. Pearson and S. Sullivan *Looking after Heritage Places* (Melb. Uni. Press 1995)

S. Colley, *Uncovering Australia. Archaeology, Indigenous People and the Public* (Allen and Unwin, 2002)

ARPH2617

Analysis of Stone Technology

Credit points: 6 **Teacher/Coordinator:** Dr Trudy Doelman **Session:** Semester 1 **Classes:** 3 laboratory hours per week **Prerequisites:** 12 junior credit points of Archaeology **Prohibitions:** ARPH2517 **Assessment:** one 1000 word laboratory notebook, one 1500 word in-class test, one 2000 word report/essay

This unit introduces students to the methods and theory behind the analysis and interpretation of flaked stone technology. Students will develop skills in the identification, classification and recording of stone artefacts which are valuable in consultancy and research archaeology worldwide. Topics will include the origin and development of stone technology in world prehistory, the reductive nature of artefact manufacture, identifying artefact attributes, implement typology and theoretical links between artefacts and human behaviour.

ARPH2804

Archaeology (Prehistoric & Historic) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARPH2805

Archaeology (Prehistoric & Historic) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARPH2806

Archaeology (Prehistoric & Historic) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARPH3690

Archaeological Applications of Computing

Credit points: 6 **Teacher/Coordinator:** Dr Ian Johnson **Session:** Semester 2 **Classes:** 4 hours of laboratory work per week **Prerequisites:** Credit results in 12 Senior credit points of ARPH **Assessment:** continuous assessment, consisting of around ten weekly talks, each equivalent to 150 words (total 1500 words), one 1000 word project, one 3500 word report

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Archaeologists make increasing use of databases, whether recording excavated material, museum collections, specialist datasets or sites on landscapes. Much archaeological data is also spatially located. This unit of study introduces the concepts of data description, data recording, database management, data analysis and computer mapping, including the use of Geographic Information Systems for spatial and environmental analysis. Readings, exercises and other information for this course are placed on a www site. Assessment tasks are submitted electronically and students can use the Archaeological Computing Laboratory for this purpose. Students should be familiar with word-processing, spreadsheets and graphics.

ARPH3692

Archaeological Research Principles

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Colley **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 12 Senior credit points of Archaeology at Credit level **Prohibitions:** ARPH3902 **Assessment:** 6000 words in written assignments

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The preparation, organisation and presentation of research with special focus on archaeological research design and literature review. This unit of study is designed to prepare students for research and the preparation of long essays and theses. In place of some formal classes students are required to attend some Friday afternoon research seminars.

ARPH3693

Archaeological Practice

Credit points: 6 **Teacher/Coordinator:** Dr Martin Gibbs **Session:** Semester 1 **Classes:** one 3 hour workshop per week **Prerequisites:** 12 Senior credit points of Archaeology at Credit level **Prohibitions:** ARPH3921 **Assessment:** one 3000 word report/lab book, one 1000 word class test

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Introduction to archaeological research design and core hands-on practical work methods and skills through a structured programme of assessed practical work classes, workshops and hands-on sessions. The course may include some archaeological work experience placements, subject to staff availability. Preference may be given to students who have already gained some preliminary field or laboratory work experience, depending on limits of space, equipment and/or project places.

Art History and Theory

ARHT1001

Art & Experience: The European Tradition

Credit points: 6 **Teacher/Coordinator:** Dr L Marshall **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1hour tutorial per week **Assessment:** On-line quizzes (10%), one 1000 word visual assignment (35%) and one 3000 word essay (55%) **Practical field work:** The Art Workshop. Students undertaking the Art History and Theory First Year Program are encouraged to enrol in a practical unit of study offered at the Art Workshop in the Faculty of Architecture. Only one introductory level workshop (worth 6 junior level credit points) is permitted. For more details please consult the Art Workshop on 9351 3115.

ARHT1001 and ARHT1002 offer an introduction to the study of art history and theory as it is taught at the Senior and Honours levels in the Department. The subject matter covers a wide range of art practices and media, film, design and costume, and includes the examination of art from different cultures. In each semester unit, historical analysis will be combined with discussions of the different methodologies and approaches to the interpretation and study of these visual materials. Art and Experience: the European Tradition will focus on the history of art and architecture in Western Europe from classical antiquity to the early modern period. A key focus will be on recognising the importance of the social, cultural, political and religious purpose an object or building was designed to serve, and the range of meanings the work was intended to embody - and how these change across time.

Textbooks

H. Honour & J. Fleming, 'A world history of art', 7th ed; London, 2005

Additional recommended reading

ONE of the following:

Amy Tucker, *Visual literacy. Writing about art*, New York, 2002 OR

Sylan Barnet, *A short guide to writing about art*, 8th ed., New York, 2005 OR

Christina Maranci, *A survival guide for art history students*, New Jersey, 2005

ARHT1002

Modern Times: Art and Film

Credit points: 6 **Teacher/Coordinator:** Dr M Roberts **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 2000 word essay and one short exam

This unit of study will focus upon the art and visual culture of the nineteenth and twentieth centuries, examining this historical period in relation to the thematic of the modern. Visual material studied will include painting, film, architecture and costume. As with ARHT1001, historical analysis will be combined with discussions of the different methodologies and approaches to the interpretation and study of these visual materials.

Textbooks

Recommended Reading:

Paul Wood (ed.), *The Challenge of the Avant-Garde*. Yale University Press, New Haven and London, 1999.

ARHT1801

Art History and Theory Exchange

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Junior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

ARHT2601

Recent Approaches to Art and Film

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 2 **Classes:** One 1 hour lecture and one 1 hour tutorial (plus occasional 2 hour film screening) per week **Prerequisites:** 12 senior credit points in Art History and Theory with a Credit average. **Prohibitions:** ARHT2901 **Assessment:** One essay, one tutorial paper and presentation, 6000 words in total

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will examine some of the major theoretical influences on recent approaches to the study of art and film. We will explore and assess the impact of some recent key ideas and theories through a number of case studies from different historical periods. While the unit will be situating recent approaches to art and film within the broader perspective of theoretical developments within the humanities in general, the focus will be on how these new ideas relate to the activity of visual analysis and interpretation that is specific to art and film.

Textbooks

Recommended Readings:

Nicholas Mirzoeff, *'An Introduction to Visual Culture'*, Routledge, London, 1999.

ARHT2610

Art and Society in Trecento Italy

Credit points: 6 **Teacher/Coordinator:** Dr L Marshall **Session:** Semester 2 **Classes:** One 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2010 **Assessment:** One 1000 word visual test (35%), one class presentation (10%) and one 3000 word essay (55%)

This unit of study will explore a range of alternative approaches to art produced in Italy during the late thirteenth and fourteenth centuries. Topics to be investigated include: problems of monographic analysis; the implications of contemporary workshop practice; civic, familial and princely patterns of artistic patronage; the meaning of Trecento 'naturalism'; alternatives to the 'Tuscanisation' of fourteenth-century art through a consideration of other centres such as Bologna, Rimini, Verona, Padua and Venice.

Textbooks

Recommended Readings:

Paoletti, J.T. and G. Radke, *Art in Renaissance Italy*, 3rd ed., London, 2005

ARHT2612

Baroque Courts

This unit of study is not available in 2007

Credit points: 6 **Teacher/Coordinator:** Dr Michael Hill **Classes:** One 2hr lecture, one 1hr tutorial **Prerequisites:** ARHT 1001 and ARHT 1002. **Prohibitions:** ARHT2012 **Assessment:** Essay 2000 words, visual test 2000 words

This unit of study considers the place of the artist and the architect in European courts during the seventeenth century. The focus will be on the image of the ruler and the princely palace as a political and social symbol. Patterns of patronage and issues of artistic independence will be investigated through examples of major commissions in painting, sculpture and architecture. Tutorials will involve a more careful examination of theoretical approaches to the expression of power, wealth and glory in visual form.

Textbooks

Recommended Reading:

Anne Sutherland Harris, *'Seventeenth-Century Art and Architecture'* (London:2005)

ARHT2617

Art and Society in Victorian England

Credit points: 6 **Teacher/Coordinator:** Dr M Roberts **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2017 **Assessment:** Essay and visual test totalling 4000-4500 words

This unit of study will examine the diverse responses of nineteenth-century British artists to the profound social changes associated with the rise of industrial capitalism and the development of the modern city. The focus for this course is on the distinctive ways modern urban life was represented by the Pre-Raphaelite Brotherhood and the Victorian narrative painters. We will also examine the work of artists and craftspeople who sought to express alternatives to the urban experience through medieval revivalism and Orientalism. Topics to be investigated include the relationship between revivalism and realism; masculinity and modernity; varieties of photographic and painterly realism; gender and Orientalism; Aestheticism and the grotesque; religion, race and empire. We will make use of the rich collection of paintings from this period in the Art Gallery of New South Wales.

Textbooks

Recommended Readings:

Tim Barringer, *'The Pre-Raphaelites. Reading the Image'*, The Everyman Art Library, London, 1998;

Lynda Nead, *'Victorian Babylon. People, Streets and Images in Nineteenth-century'*, London, Yale University Press, New Haven and London, 2000;

Elizabeth Prettejohn, *'The Art of the Pre-Raphaelites'*, Tate Publishing, London, 2000.

ARHT2618

French Art, Salon to Post-Impressionism

Credit points: 6 **Teacher/Coordinator:** Prof R Benjamin **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2018 **Assessment:** One essay and one 2 hour slide test or written exercise totalling 4000-4500 words

This course treats a familiar area of French Art in terms of the cultural structures that allowed academic art, Realism, Impressionism, and Post-Impressionism to emerge. Mainstream art will be studied alongside emerging avant-garde spaces. The language of art criticism will provide a key to the politics of the painted surface and ethics of the female nude. Other topics for study will include nationalism, exoticism, and peripheral as opposed to metropolitan modernism.

ARHT2621

European Modernism

Credit points: 6 **Teacher/Coordinator:** Dr J Pefanis **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2021 **Assessment:** Essay and paper to a total of 4000-4500 words

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit of study will examine the origins of Modernism in the nineteenth century and its evolution in the twentieth, focusing on Modernism between the World Wars. It will consider Dada and Surrealism's radical threat to the 'call to order' - their invocation of the absurd, of the anarchic, of irreason, madness and desire. It will also consider the relationship between the arts and contemporary philosophical and theoretical investigation and will take into account Postmodernism's disruption of the concept of Modernism. The focus of the course will be on European modernism. Australian and American modernism are examined in other advanced options.

ARHT2631

Australian Painting, Colony to Nation

Credit points: 6 **Teacher/Coordinator:** Dr A Callaway **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2031, ARHT2664 **Assessment:** One 1000-1500 word project, one 3000 word essay and class participation

The unit investigates recurring themes in representation including identity and race, sexuality and gender, landscape, the city and urban society. The program moves between nineteenth century images and approaches adopted by artists to portray similar twentieth century concerns. We will follow some of art's central debates and use key concepts to pursue relevant issues in Australian art history and theory.

Textbooks

Recommended Readings:

Joan Kerr (ed.), *The Dictionary of Australian Artists: Painters, Sketchers, Photographers and Engravers to 1870*, Oxford University Press, Melbourne, 1992

ARHT2632

Modern Australian Art and Cinema

Credit points: 6 **Teacher/Coordinator:** Dr C Moore **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2032 **Assessment:** One essay or curatorial project and one tutorial paper to a total of 4000-4500 words

This unit of study examines Australian art, cinema and popular visual imagery from 1880-1940. Themes to be covered include the landscape tradition and Australian national identity, urban imagery, images of war, the positioning of women, indigenous and migrant cultures, the fledgling Australian film industry and related responses to issues of modernity and modernism. Students will be encouraged to work with the University art collections.

ARHT2633

Postwar Australian Art

Credit points: 6 **Teacher/Coordinator:** Dr C Moore **Session:** Semester 2, Summer Late **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2033 **Assessment:** One essay, one tutorial paper and one 1 hour slide test, totalling 4000-4500 words

This unit of study traces the shifting relations between modern art, modernism and postmodernism in Australia. These are examined against a field of other cultural, social and political discourses. Issues addressed include artists' responses to World War II, the Cold War and Vietnam; postwar migration; and multiculturalism; urban imagery; contemporary Koori art and Aboriginality in art by white Australians; ongoing shifts in the treatment of traditional subjects such as landscape, art and ecology; feminist, gay and lesbian cultural politics; art criticism; art and electronic technologies.

ARHT2640

Modern and Contemporary Asian Art

Credit points: 6 **Teacher/Coordinator:** Prof J Clark **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 or ASNS1001 and ASNS1002 or ASNS1001 and ASNS1101 **Prohibitions:** ARHT2040 **Assessment:** One essay and one tutorial paper to a total of 4000-4500 words

In Asia there has developed both the nationalist art of a series of modernising states and a counter-establishment art which has frequently been formally modern. Students will learn how to analyse art works and institutions in terms of critical notions of modernity which arise in these Asian contexts but which do not require projection from outside. Focus will chiefly be on China, Hong Kong, Taiwan and India since the 1850s. Other examples will be drawn from Japan, Thailand and Indonesia.

Textbooks

Course Reader

Clark, John, *Modern Asian Art*, Sydney, Craftsman House & Honolulu, University of Hawai'i Press, 1998

ARHT2652

From Silent to Sound Cinema

Credit points: 6 **Teacher/Coordinator:** Dr L Jayamanne **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour film screening per week **Prerequisites:** ARHT1001 and ARHT1002 (For Art History Major) ENGL1025 (for Film Majors). **Prohibitions:** ARHT2052 **Assessment:** One essay, one film analysis and one tutorial presentation totalling 4000-4500 words *Note: Film Studies Core Unit. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

This course examines film/cinema as a manifestation of modernity i.e. as commodity, industry, institution and mass production of the senses (aesthetics). These concepts integral to modernity will be explored through a study of Early American cinema and the Weimar cinema of Germany in the 1920s. Detailed work will be done on the following genres, Slapstick & Melodrama (in Hollywood), and Horror/Fantasy (in Weimar cinema). While the focus will be on the aesthetics of these films, the historical and industrial context of each national cinema will form an essential background. The course will introduce a selection of major classical and contemporary film theories such as those of Sergei Eisenstein and Gilles Deleuze as well as the recent scholarship on silent film aesthetics and spectatorship within the wider intellectual tradition of theorising modernity and vernacular modernisms. An emphasis will be placed on the idea of filmic performance (film as an art of movement and time) which includes camera rhetoric, editing, acting, mise-en-scene. The course will study the phenomenon of stardom through one of cinema's very first global icons, Charlie Chaplin whose work will enable us to cross the technological divide between silent and sound cinema in the last segment of the course.

Textbooks

Recommended Readings:

'The Silent Cinema Reader', Eds. Lee Grieveson and Peter Kramer (Routledge, London and New York, 2004)

ARHT2653

Cross-Cultural Perspectives on Cinema

This unit of study is not available in 2007

Credit points: 6 **Teacher/Coordinator:** Dr Laleen Jayamanne. **Classes:** one 2hr lecture, one 2hr film screening, one 1hr tutorial **Prerequisites:** ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL1025 (for Film Majors). **Prohibitions:** ARHT2053 **Assessment:** one essay, one film analysis, one tutorial presentation totalling 4000-4500 words.

This course has three primary foci: 1. A historical study of independent cinema, or New Wave movements in post-World War II Europe, including Italian Neo-Realism, the French New Wave and New German Cinema among others. 2. The study of Gilles Deleuze's thesis about these cinematic movements and the cinematic concepts that they gave rise to as elaborated in his books, *Cinema 1, Movement Image* and *Cinema II, The Time Image*. 3. A study of the idea of Epic cinema as distinct from Dramatic cinema through a selection of films cross-culturally. In addition there will also be a selection of films of auteurs who help formulate cinematic ideas and concepts, such as for example the gothic, in innovative ways. Despite the historical component of the course it is not structured chronologically but rather, conceptually. And the main concept is that of non-chronological time. This approach will enable an exploration of cinematic invention of new images of time itself. As such it is primarily concerned with cinematic aesthetics across different film cultures and the cultural politics essential to such invention will form an essential background to the course.

Textbooks

Recommended Readings:

'Towards Cinema and Its Double Cross-Cultural Mimesis', Laleen Jayamanne (Indiana University Press, Indiana, 2001)

ARHT2655

Cinema and Spectatorship

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1 **Classes:** One 2 hour lecture, 1 hour tutorial and one 2 hour film screening per week **Prerequisites:** ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors). **Prohibitions:** ARHT2055 **Assessment:** Essay and tutorial paper totalling 4000-4500 words

This unit of study will give an introduction to how film studies has analysed the meaning of a film in relation to how the film incorporates or addresses the spectator (what is known as theories of spectatorship). Commencing with debates around classical Hollywood cinema and the functioning of the point of view shot, the unit will examine how theories of spectatorship have understood the significance of different genres.

Textbooks

Recommended Readings:

'Studying contemporary American film: a guide to movie analysis', Thomas Elsaesser & Warren Buckland, Oxford University Press, 2002;
'Viewing positions: ways of seeing film', ed., Linda Williams, Rutgers University Press, 1995.

ARHT2657

Contemporary Hollywood

Credit points: 6 **Teacher/Coordinator:** Dr R Smith **Session:** Semester 2
Classes: One 2 hour lecture, one 1 hour tutorial and one 2-3 hour film-screening per week **Prerequisites:** ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors). **Prohibitions:** ARHT2057
Assessment: Research essay and review essay to a total of 4000-4500 words

This unit of study will investigate the last two decades of the cinema of the USA, including Hollywood. Students will be introduced to the work of a number of established and emerging American filmmakers, to the work of a number of important film critics, and to issues concerning the theory and practice of film criticism. Critical and analytical focus will centre on the changing relation of subjectivity and time in independent cinema. Films that explore questions of subjectivity and that experiment with narrative structure will be featured.

Textbooks

Recommended Readings:
Wexman, Virginia Wright, ed., 'Film and Authorship', New Brunswick, New Jersey: Rutgers UP, 2003.

ARHT2810

Art History and Theory Exchange

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT2811

Art History and Theory Exchange

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT2812

Art History and Theory Exchange

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT2813

Art History and Theory Exchange

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from

the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT2814

Art History and Theory Exchange

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

Arts (no major available)

ARTS1000

eSearch to Research: Library Skills

Teacher/Coordinator: Dr Anthony Dracopoulos **Session:** Semester 1, Semester 2 **Classes:** Fully online; access via WebCT **Assessment:** Five modules, each with learning activities and self-tests; final test with feedback.

This unit of study will: develop students research skills; help students distinguish and understand the types of academic information sources; help students identify and locate these sources using the Library catalogue and online course reading service; help students develop an awareness of the range of information resources and assistance available to make full use of the Library; and help students formulate strategies for locating information for an assessment task or essay.

Asian Studies

ASNS1001

Modern Asian History and Cultures 1

Credit points: 6 **Teacher/Coordinator:** Dr Pankaj Mohan, Dr John Wong **Session:** Semester 1 **Classes:** 2 lectures and 1 tutorial per week **Assessment:** 2 hour exam, 2 essays (750 words and 1200 words), tutorial participation.

This unit introduces the study of Asia through a focus on broad concepts and themes which may be applied in a comparative and interdisciplinary way to the various countries and regions that make up what we call 'Asia'. The unit of study is divided into several modules each concentrating on a different theme and raising questions about continuities and change in the modern period.

ASNS1002

Modern Asian History and Cultures 2

Credit points: 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Assessment:** 2 hour exam, 2000 word essay, tutorial presentation and participation.

This unit offers a thematic approach which is varied through regional specialisation. All students will attend a set of common lectures which raise questions of a comparative nature and deal with such issues as modernisation and social change in the 19th and 20th centuries. Students will have the opportunity to specialise by exploring particular developments through a specifically designed tutorial program. Specialised tutorials may be offered from the following: India, Southeast Asia, Korea and Japan.

ASNS1101

Introduction to Chinese Civilisation

Credit points: 6 **Teacher/Coordinator:** Prof Dunstan **Session:** Semester 1 **Classes:** 2 lectures and 1 tutorial per week **Assumed knowledge:** No prior knowledge is assumed. All teaching and all assigned readings are in English; however, a Chinese-language tutorial option may be provided. **Assessment:** Classwork (20%) and informal writing assignment(s), e.g., workbook (20%); two 1500-word essays (25% and 35%).

A broad-ranging, chronologically-arranged introduction to Chinese civilisation from prehistory to recent times. Readings will include representative philosophical, literary and religious works in English translation. Social science perspectives will be introduced through

lectures/tutorial readings on social history, kinship structure, modern change, etc. This unit of study will provide a foundation for more advanced work in Chinese studies.

Textbooks

Cyril Birch, comp. *Anthology of Chinese Literature*. Vol. 1. New York: Grove Press, 1965

Anthology of readings available online and/or from the University Copy Centre
 Patricia Buckley Ebrey, *The Cambridge Illustrated History of China*. Cambridge: Cambridge University Press, 1996

ASNS1801

Asian Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2611

China's Last Dynasties: What Changed?

Credit points: 6 **Teacher/Coordinator:** Prof Dunstan **Session:** Semester 1
Classes: 2 lectures and 1 tutorial **Prerequisites:** 12 credit points in Asian Studies or an Asian language or Government, History, Economic History, Anthropology or Sociology, or any combination of the above. **Prohibitions:** ASNS2111 **Assumed knowledge:** Students with no prior knowledge of Chinese history are encouraged to read an introductory textbook (e.g. Ebrey, *The Cambridge Illustrated History of China*) before the start of the semester. **Assessment:** Classwork (20%); 2500-word essay (35%); oral presentation based on work for essay (15%); 1750-word essay based on assigned readings (30%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The last 1000 years of imperial Chinese history (911-1911): downward spiral or dynamic change? Is contemporary China's booming market economy a sharp break from tradition or a resumption of premodern patterns? This study of the social and economic history of the Song, Yuan, Ming and Qing dynasties pursues a balanced answer to these questions. Topics include the evolution of premodern Chinese social structure, cities and market systems; the economic role of government; important industries; territorial expansion; environmental change.

Textbooks

Will include selected readings available online and/or from the University Copy Centre.

ASNS2618

Remaking Chinese Society, 1949-Present

Credit points: 6 **Teacher/Coordinator:** Dr David Bray **Session:** Semester 1
Classes: 2 lectures and 1 tutorial per week **Prerequisites:** 12 credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology, or any combination of the above. **Prohibitions:** ASNS2118 **Assumed knowledge:** Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (e.g., Edwin E. Moise, *Modern China: A History*. Second edition. Longman, 1994) before the start of the semester. **Assessment:** Classwork (15%); 2000-word essay (35%); oral presentation (15%); 1000 word writing assignment (15%); one-hour test (20%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program. The information provided here applies to the version of this unit offered in the regular semester. Appropriate adjustments are made for the Summer School version when available.

The history of the People's Republic of China comprises two periods. In the Maoist era (1949-1978), the Communist-led government attempted to build a centrally planned, socialist society in which politics dominated people's daily lives. In the post-Mao era (since 1978), by contrast, the socialist institutions have largely been dismantled in pursuit of a market-based alternative. This unit of study explores key social, political, cultural and economic features of both periods and analyses the problems and paradoxes of transition.

Textbooks

Maurice Meisner, *Mao's China and After: A History of the People's Republic*. Third edition. New York: Free Press, 1999
 Anthology of readings available online and/or from the University Copy Centre.
 Chinese-language reading options will also be available.

ASNS2622

Buddhist Scriptures

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and 1 hour tutorial per week **Prerequisites:** 18 Junior credit points made up from Table

A, but may include PALI1001 or PALI1002 **Assessment:** 3000 word essay, 1500 word tutorial paper.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will focus on the literature of the earlier schools of Buddhism, namely, that of the Sravakayana (also called Hinayana or Mainstream), which includes the well known Theravada. Topics examined will include the origins and history of this huge body of literature, reasons for its creation, genres represented, themes and strategies, canon formation, the commentarial tradition, attitudes towards language, and the ways in which texts have and are used by Buddhist communities. Selected texts will be read in the tutorials.

ASNS2623

India: Tradition and Modernity

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 2 hours of lectures and 1 hour tutorial per week **Prerequisites:** 18 Junior credit points made up from Table A, but may include PALI1001 or PALI1002 **Assessment:** 3000 word essay, 1500 word tutorial paper.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit explores assumptions underpinning Indian thought and culture with specific reference to Indian religious traditions. In particular, traditional notions of the individual, authenticity, and the concept of dharma will be addressed through an exploration of social and political structures, gender and the family, and forms of artistic, literary and religious expression. A key focus will be on the continuity of tradition and its interaction with modernity and the implications this has for understanding today's India.

ASNS2631

The Origins of Japanese Tradition

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Stavros **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 Junior credit points in Asian Studies, History, Government and International Relations and/or an Asian language **Assessment:** 1500 word essay, tutorial presentation, 2 hour exam, in-class activities and online component (equivalent to 500 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit explores the historical validity of key motifs of Japanese 'tradition'. Through the liberal use of primary sources (texts, pictorial sources and archaeological artifacts) students will gain first-hand knowledge of such diverse topics as the lives of the samurai, imperial authority, Zen monastic life, Japanese architecture, geisha, and the tea ceremony. By attempting to separate stereotype and cliché from history, we will seek to construct a more sober yet ultimately more viable narrative of early Japanese history and culture.

ASNS2632

Modern Japanese Social History

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elise Tipton **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** 12 credit points in Asian Studies, History, Government and International Relations and/or an Asian language **Prohibitions:** ASNS2308 **Assessment:** Class presentation (equivalent to 500 words), 2000 word essay, 1.5 hour semester exam, continuous assessment, including class participation and writing tasks (equivalent to 500 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit of study will begin with examination of social aspects of the Meiji reforms, evaluating interpretations of their aims and effects. The focus will then turn to the emergence of new social forces in the twentieth century, including industrial workers, an urban middle class and a women's movement. We will also explore changes in daily life and attitudes to work and leisure as urbanisation and industrialisation progressed and assess the effects of the Second World War and the Occupation.

ASNS2634**Samurai and Merchants: Tokugawa Japan**

Credit points: 6 **Teacher/Coordinator:** Dr Olivier Ansart **Session:** Semester 1 **Classes:** 2 hours of lectures, 1 hour tutorial per week **Prerequisites:** 12 credit points in Asian Studies, History, Economic History, Government and International Relations, and/or an Asian language **Prohibitions:** ASNS2304 **Assessment:** Attendance and participation in tutorials (15%), tutorial writing tasks and essays (equivalent to 2500 words, 45%), 2 hour final exam (equivalent to 2000 words, 40%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Tokugawa Japan (1603-1868) had a complex feudal structure articulated around the shogun, the feudal lords and their samurai retainers. It also had huge cities, birthplaces of some of the first modern ways of life. The tensions between the feudal framework and the embryonic modernity of Tokugawa society make a fascinating case study in the non-Western world of what is to be modern. To do so, we shall follow a cross disciplinary approach: history, politics, sociology, economy, religion, arts and literature.

Textbooks

Course reader available from the University Copy Centre

ASNS2640**Mass Media in Korea**

Credit points: 6 **Teacher/Coordinator:** Dr Ki-Sung Kwak **Session:** Semester 2, Summer Main **Classes:** 3 hours per week **Prerequisites:** 12 Junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language **Prohibitions:** KRNS2511, KRNS2611, ASNS2511 **Assessment:** 1000 word tutorial paper, 1500 word essay, 2 hour final exam (equivalent to 2000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit introduces students to the media industry, processes, policies and practices in South Korea, by examining the historical development and operational practice of mass media in Korea. This unit looks at Korean media within the context of regionalisation and internationalisation, which emerged with the introduction of new communication technologies. The major topics include the development of mass media and foreign influence; social and cultural role of the media; state control over media and its relationship with the media; new media technology and its impact on current media structure and on the Korean society.

ASNS2642**Modern Korea**

Credit points: 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** 12 credit points in Asian Studies, Media Studies, History, Government and/or an Asian language **Prohibitions:** ASNS2502 **Assessment:** Attendance and contribution to tutorial discussions (20%), one 2500 word essay (40%), 2 hour final exam (40%).

This unit aims to introduce some of the major issues in the history of Korea in the late 19th century and the last century. Topics include contradictions of the late Choson dynasty society; opening of Korea to the West and Japan and the attendant wave of reforms and rebellions; Japans colonial rule; Korea's fight for freedom; liberation and division of Korea in 1945 and the subsequent process of nation-building in the two Koreas.

ASNS2651**Asian Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ASNS2652**Asian Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ASNS2653**Asian Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ASNS2654**Asian Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ASNS2655**Asian Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ASNS2656**Asian Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ASNS2660**Islam, Trade & Society-Arabia to SE Asia**

This unit of study is not available in 2007

Credit points: 6 **Teacher/Coordinator:** Professor Worsley, A/Professor Shboul **Classes:** 3 hours per week (2 lectures and 1 tutorial) **Prerequisites:** 12 Junior credit points in Arab World, Islam and the Middle East, Asian Studies, History, Economic History, Government and Public Administration and/or an Asian Language **Prohibitions:** ASNS 2402 **Assessment:** Attendance and participation in tutorials (15%); tutorial writing tasks and essays equivalent to 2500 words (45%); 2 hour final exam (2000 words, 40%).

This unit of study will examine the commercial, religious and cultural relations between the Islamic world of West Asia and Southeast Asia between the ninth and eighteenth centuries. Some attention will be paid to the role of India in these relationships. The unit of study will explore the development of Islamic commercial, political, religious and social ideas and practices in West Asia and examine the economic, political, religious and social conditions associated with the localisation of these ideas and practices in Southeast Asia in this period.

ASNS2661**History of Modern Indonesia**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 Junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language or departmental permission **Prohibitions:** INMS2901, ASNS2401 **Assessment:** 2000 word essay (45%), 2 hour exam (45%), class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines the history of Indonesia, the world's fourth most populous country, emphasizing the interaction between Islam, nationalism and democracy. The unit traces these forces impact on the formation of modern Indonesia from the late nineteenth century, highlighting the experience and legacy of colonialism, the independence struggle, and the rise and fall of military rule. Particular attention is given to changing notions of national identity, debates about the place of Islam in the polity and authoritarianism and democratisation.

ASNS2663**Social Activism in Southeast Asia**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** 12 Junior credit points in Asian Studies, History, Government and International Relations, Sociology, Anthropology, or an Asian language or departmental permission **Assessment:** Class participation (20%), 1 hour in-class test (20%), essay portfolio (15%), 2500 word essay (45%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines country-specific and transnational social movements in Southeast Asia, including those focused on labour, women, the environment and identity. During the semester we will explore how these movements emerged, what they have sought to achieve, and how successful they have been in promoting social change in the Southeast Asian region. The unit adopts a multi-disciplinary approach based on contemporary case study material

from Indonesia, Malaysia, Thailand, the Philippines and Singapore, with a particular focus on Indonesia.

ASNS2670

Mass Media in East Asia

Credit points: 6 **Teacher/Coordinator:** Dr Ki-Sung Kwak **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 Junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. **Prohibitions:** KRNS2600, ASNS2600 **Assessment:** 1000 word tutorial paper, 1500 word essay, final exam (2000 words).

This unit introduces students to the media industry and policies in selected countries in East Asia, namely Japan, Hong Kong, South Korea and Taiwan. In addressing the topics, the main features of media in the region are discussed and compared. The unit will be multi-disciplinary, covering various aspects of mass media in the region. These include social and cultural role of the media, political and economic justification of state control, and implications of the emergence of new communication technologies.

ASNS3617

Citizens and Politics in China Today

Credit points: 6 **Teacher/Coordinator:** Dr David Bray, Dr Eddy U **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** 12 credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology or any combination of the above **Assessment:** Classwork (15%); 2500-word essay (35%); 1000-word writing assignment (15%); oral presentation (15%); 1-hour test 20%.

Note: This unit will be taught in English, but a Chinese-language tutorial option may be provided. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In China, ideas like 'citizenship', 'rights', and 'community', have come into widespread use over recent years. This unit will explore the way in which these terms are conceptualised and practiced within the People's Republic of China. Using texts (from government documents to popular media) and case studies from different parts of mainland China, this unit will provide a framework for understanding the interplay of social, cultural and political forces that are transforming techniques of local governance in China.

Textbooks

Anthology of readings available online and/or from the University Copy Centre. Chinese-language reading options will also be available.

ASNS3690

Approaches to Research in Asian Studies

Credit points: 6 **Teacher/Coordinator:** Dr Olivier Ansart and others **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit average or above in a minimum of 30 Senior credit points of Asian Studies or Asian language **Prohibitions:** ASNS3902, JPNS3902, CHNS3902, INMS3902 **Assessment:** Classwork (20%), 3000 word research proposal (40%), bibliographical exercise (equivalent to 1000 words, 10%), presentation based on draft proposal (10%) and critical reviews or other written assignments (2000 words, 20%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit gives students the opportunity to undertake broad background reading in preparation for the honours thesis. The unit trains students to discuss published work exemplifying a range of approaches to humanistic and/or social scientific research. It thus provides models on which students can draw in creating their own research proposal.

Textbooks

Course reader available from the University Copy Centre.

Australian Literature

ASLT2601

Australian Literature 1920-1960

Credit points: 6 **Teacher/Coordinator:** Dr N Rowe **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ASLT2001 **Assessment:** One 1200 word mid-semester essay (30%) and one 3000 word end-of-semester take-home exam (70%)

This unit aims to introduce some of the key writers of this period. It will also encourage students to develop reading skills appropriate to different genres and to acquire an awareness of the issues,

movements and critical debates that were central to the development of Australian literature.

Textbooks

Herbert X. Capricornia. Angus & Robertson
 Prichard K.S. Coonardoo. Angus & Robertson
 Stead C. For Love Alone. Angus & Robertson
 Resource book, containing poetry and short fiction from the period.

ASLT2602

Australian Literature 1960-1988

Credit points: 6 **Teacher/Coordinator:** Dr B Brennan (Coordinator) **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ASLT2002 **Assessment:** One 1500 word essay (mid-semester, 30%), one 3000 word take-home exam (end-of-semester, 70%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit of study aims to introduce some of the key writers of this period. It will also encourage students to develop reading skills appropriate to different genres and to acquire an awareness of issues, movements and critical debates that have been central to the development of recent Australian literature.

Textbooks

Anderson, J. Tirra Lirra by the River
 Hazzard S. The Transit of Venus .Viking
 Mudrooroo, Wildcat Falling. Angus & Robertson
 Stow R. Tourmaline. UQP
 White P. The Solid Mandala. Vintage
 Course Reader will include short stories from Moorhouse, Carey, Garner as well as the poetry that will be covered in this unit of study.

ASLT2605

Reorientations in Australian Literature

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ASLT2005 **Assessment:** One 1500 word mid-semester essay (30%), one 4000 word end-of-semester take-home exam (60%) and one tutorial presentation (10%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Through a reading of Australian fiction, film and poetry, this unit examines the nature, place and function of China, Southeast Asia and the South Pacific in the Australian literary imagination. Its intention is at once to give students a broad acquaintance with such works and an introduction to the poetics of trans-cultural perception which those works wittingly or unwittingly manifest.

Textbooks

Castro, B. Shanghai Dancing. Giramondo
 Drewe R. A Cry in the Jungle Bar. Picador
 Koch C.J. The Year of Living Dangerously. Grafton
 Jones, R. Julia Paradise. Penguin
 Yu, O. Eastern Slope Chronicle. Brandl
 [Additional works to be advised]
 Resource book.

ASLT2615

Shooting Back: 4th World Writing & Film

Credit points: 6 **Teacher/Coordinator:** Dr P van Toorn **Session:** Semester 1 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 18 junior credit points **Assessment:** One 2000 word essay (40%), one 2500 word take-home exam (50%) and participation in class debates (10%)

This unit explores a range of fascinating writings and films created by peoples of the "fourth world" -- the Indigenous nations of the US, Canada, Aotearoa/New Zealand and Australia. Drawing on key theoretical concepts developed by Bakhtin, Volosinov, Foucault, and Fourth World intellectuals, the unit explores the ways in which writing and film work as instruments of political action and resistance to domination. We read Fourth World poetry, fiction, and non-literary writings alongside examples of three film genres, namely the feature film, the documentary, and the short film.

Textbooks

Theoretical readings and poems will be included in the Resource Book.
 Films:
 Moffatt, Night Cries
 Dunn, The Ballad of Crowfoot

Flaherty, Nanook of the North
Batty and Jupurrula Kelly, Bush Mechanics
Sand to Celluloid collection
Tamahori, Once Were Warriors
Literary texts:
Akiwenzie-Damm and Douglas, Skins
King, One Good Story That One

ASLT3601

Australian Literature Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr P van Toorn **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** 12 senior credit points in Australian Literature with credit average **Prohibitions:** ASLT3901 **Assessment:** One 2000 word seminar paper (30%); one 4000 word end-of-semester essay (70%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This seminar aims to prepare students for the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

ASLT3602

Australian Literature Research Issues

Credit points: 6 **Teacher/Coordinator:** A/Prof D Brooks **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** 12 senior credit points in Australian Literature with Credit average and ASLT3601 **Prohibitions:** ASLT3902 **Assessment:** One 2000 word mid-semester essay (30%) and one 4000 word end-of-semester essay (70%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This seminar aims to prepare students for the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

Australian Studies

ASTR2601

Australia: Land and Nation

Credit points: 6 **Teacher/Coordinator:** Dr B Rooney **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ASTR2001 **Assessment:** One 1000 word essay (25%), one oral presentation with a 1000 word oral report (25%), one 2000 word take-home exam (40%) and class participation (10%)

Note: May be cross listed to a major in Australian Literature. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

A study of some of the interactions between the two major meanings of the term 'Australia': 1) the name now given to a large island in the South Pacific and 2) a nation which came into being on 1 January 1901. Three major themes will be followed: o Naming and representing the land and the nation: the different names for Australia and parts of Australia given by Indigenous peoples, early European explorers and white settlers; poems, essays, films and other visual material with a specific focus on Australia as land and nation. o Changing European perceptions of the Australian environment and landscape. o Concepts of the nation from Federation in 1901 and beyond, especially from the 1950s onwards, as seen in debates about republic, in shifting patterns of immigration and in the battle for Aboriginal land rights.

Textbooks

A course reader containing essential reading and information will be available for purchase from the Copy Centre.

Some Recommended Background Readings:

Elizabeth Webby (ed), Colonial voices: letters, diaries, journalism and other accounts of nineteenth century Australia (St. Lucia: University of Queensland Press, 1989).

Richard Broome, Aboriginal Australians: Black Responses to White Dominance 1788-1994. 3rd Ed (St Leonards, NSW: Allen & Unwin, 2002).

Heather Goodall, Invasion to embassy: land in Aboriginal politics in New South Wales, 1770-1972 (St. Leonards NSW: Allen & Unwin/Black Books, 1996), Especially introduction and chapter 1.

Richard Waterhouse, The Vision Splendid: a social and cultural history of rural Australia (Fremantle, WA: Curtin University Books, 2005)

ASTR2603

Australian Film and National Identity

Credit points: 6 **Teacher/Coordinator:** Dr B Rooney **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ASTR2003 **Assessment:** One 1000 word written assignment (25%); one oral presentation (equivalent 1000 words) (25%); one 2000 take-home examination (40%) and class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit explores the shaping of the Australian nation through film and television. Module One. Resisting Authority, considers Australians' enduring fascination with legendary figures like rebels or outlaws, exemplified in Ned Kelly. Module Two, Picturing Difference, examines the diversity of identities represented on the Australian screen, including representations of the foreigner or 'other'. Lastly, 'External Eye' looks at how a sense of nation develops with reference to what is 'beyond', in an imagined relation to the wider world.

Textbooks

A course reader containing essential reading and information will be available for purchase from the Copy Centre.

Some Recommended Background Readings:

Graham Turner, National Fictions: literature, film, and the construction of Australian narrative (Sydney: Allen and Unwin, 1986)

Marcia Langton, 'Well I heard it on the radio and I saw it on the television': an essay for the Australian Film Commission on the politics and aesthetics of filmmaking by and about Aboriginal people and things (Sydney: AFC, 1993)

Jonathon Rayner, Contemporary Australian Cinema: an introduction (Manchester UP, 2000)

Felicity Collins and Therese Davis, Australian Cinema After Mabo (Cambridge ; Port Melbourne : Cambridge University Press, 2004)

Biblical Studies

BBCL1001

Biblical Studies 1

Credit points: 6 **Teacher/Coordinator:** Dr Shani Berrin **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** Exam (40%), 2000 word essay (30%), other written assignments and assessments (30%).

This unit provides an introduction to the study of the Bible including: textual, literary and structural criticism; the relevance of other academic disciplines to the study of the Bible; material from the Dead Sea Scrolls and other non-biblical texts. The first five books of the Bible are the focus of textual study in this semester. There are weekly tutorials at which students present papers.

BBCL1002

Biblical Studies 2

Credit points: 6 **Teacher/Coordinator:** Dr Shani Berrin **Session:** Semester 2 **Classes:** 3 hours per week **Assessment:** Exam (40%), 2000 word essay (30%), other written assignments and assessments (30%).

This unit focuses specifically on books of the Hebrew Bible such as Judges, Samuel and Kings. The course explores events of the period, the historiography of the texts, and religious and historical viewpoints conveyed. Attention will be directed to other relevant writings of the period in the Ancient Near East. There are weekly tutorials at which students present papers.

BBCL2605

Literature of Second Temple Judaism

Credit points: 6 **Teacher/Coordinator:** Dr Shani Berrin **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** BBCL1001, BBCL1002 **Prohibitions:** BBCL2005 **Assessment:** 1.5 hour exam (35%), 1600 word essay (35%), other written assignments (30%).

This unit considers a range of biblical and extra-biblical texts composed during the Second Temple period (500 BCE - 100 CE). Students will read and analyse English translations of works originally composed in Hebrew, Aramaic and Greek. Our critical approach to these texts will incorporate an examination of literary, historical and religious issues.

BBCL2606**Jewish Apocalyptic Literature**

Credit points: 6 **Teacher/Coordinator:** Dr Shani Berrin **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** BBCL1001, BBCL1002 **Prohibitions:** BBCL2006 **Assessment:** 1.5 hour exam (35%), 1600 word essay (35%), other written assignments (30%).

This unit considers biblical and extra-biblical apocalyptic writings of the Second Temple period of Judaism (c 500 BCE - 100CE). Apocalyptic works are concerned with the revelation of transcendent knowledge, especially eschatology and the nature of the heavenly realm. Texts will include the Book of Daniel from the Hebrew Bible, extra-biblical works such as the Book of Enoch, and, from the Christian Scriptures, the Book of Revelation. We will examine the development of the literary form of the apocalypse, and explore how these texts express religious, socio-cultural, and historical developments of the period.

Chinese Studies

CHNS1101**Chinese 1A (For Beginners)**

Credit points: 6 **Teacher/Coordinator:** Dr D Herforth, Dr S Kong **Session:** Semester 1 **Classes:** 4 class hours per week plus 1 weekly hour of required language laboratory work **Corequisites:** Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher **Assumed knowledge:** This unit of study is suitable for complete beginners and for those students who, in the department's judgement, are best advised to go back to the beginning. **Assessment:** (Subject to revision) classwork (10%), oral exercises (e.g., role play exercises, interview) (25%), two major tests (40% in total) and shorter tests, quizzes and other language exercises (25%). **Practical field work:** Additional language laboratory work, including multimedia-aided learning, is strongly recommended

Note: Department permission required for enrolment.

Note: Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.

This unit is an introduction to Modern Standard Chinese for beginners. Foundation work on pronunciation, pinyin romanisation, elementary grammar and the Chinese writing system will be followed by an integrated program of grammar learning, vocabulary development and training in the skills of listening and speaking. Students will learn to read and write approximately 350 characters.

Textbooks

Ted Yao and Yuehua Liu. Integrated Chinese. Level One, Part One. Textbook, Workbook and Character Workbook. 2nd edition. Boston: Cheng and Tsui, 2005
A Multimedia Companion is also available.

CHNS1102**Chinese 1B (For Beginners)**

Credit points: 6 **Teacher/Coordinator:** Dr S Kong **Session:** Semester 2 **Classes:** 4 class hours per week plus 1 weekly hour of required language laboratory work **Prerequisites:** CHNS1101 **Prohibitions:** HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher **Assumed knowledge:** One semester of Chinese at introductory level, preferably using full-form characters. **Assessment:** (Subject to revision) classwork (10%); oral exercises (e.g., role play exercises, interview) (25%); two major tests (40% in total); shorter tests, quizzes and other language exercises (25%). **Practical field work:** Additional language laboratory work is strongly recommended

This unit is a continuation of Chinese 1A. On completion, students should have a good grasp of common grammatical patterns and be able to converse simply on everyday topics and read simple texts. They should have mastery (reading and writing) of up to about 700 characters.

Textbooks

Ted Yao and Yuehua Liu. Integrated Chinese. Level One, Part Two. Textbook, Workbook and Character Workbook. 2nd edition. Boston: Cheng and Tsui, 2005

CHNS1201**Chinese 1C (For Advanced Beginners)**

Credit points: 6 **Teacher/Coordinator:** Dr E U **Session:** Semester 1 **Classes:** 4 class hours per week **Corequisites:** Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes **Assumed knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with no, or very limited,

knowledge of characters. **Assessment:** (Subject to revision) classwork (20%), two oral presentations (10% each); vocabulary quizzes (10%); four composition tests or exercises (20%) and two major reading/writing tests (15% each). **Practical field work:** Language laboratory work will be required

Note: Department permission required for enrolment.

Note: Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.

A fast-paced intermediate unit of study intended primarily for native and fluent "background" speakers of Chinese languages, including Cantonese, who know few (up to about 200) characters or none at all. The objective is rapid development of Chinese-language proficiency to equip students for advanced work in Chinese Studies. Emphases include reading and writing skills and standard putonghua pronunciation.

Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. Oh China: Elementary Reader of Modern Chinese for Advanced Beginners. Princeton: Princeton University Press, 1997

CHNS1202**Chinese 1D (For Advanced Beginners)**

Credit points: 6 **Teacher/Coordinator:** Dr E U **Session:** Semester 2 **Classes:** 4 class hours per week **Prerequisites:** CHNS1201 **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes **Assumed knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. **Assessment:** (Subject to revision) classwork (20%); two oral presentations (10% each); vocabulary quizzes (10%); four composition tests or exercises (20%); two major reading/writing tests (15% each). **Practical field work:** Language laboratory work will be required

Continuation of Chinese 1C, with similar objectives, pace and workload. By the end of the year, students should be capable of reading Chinese-language materials of limited complexity, and of discussing them in putonghua.

Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. Oh China: Elementary Reader of Modern Chinese for Advanced Beginners. Princeton: Princeton University Press, 1997

CHNS1801**Chinese Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

This unit exists solely as an enrolment option for students who wish to study elementary Chinese while on exchange. Students who plan to study intermediate or advanced Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

CHNS1802**Chinese Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See under CHNS1801.

CHNS2601**Chinese 2A (Lower Intermediate)**

Credit points: 6 **Teacher/Coordinator:** Dr D Bray **Session:** Semester 1 **Classes:** 4 or 5 hours per week. **Prerequisites:** CHNS1102 **Prohibitions:** HSC Chinese for Background Speakers or equivalent, CHNS2101 **Assumed knowledge:** One year (approx. 5 hours per week for 26 weeks) of Chinese at introductory level, preferably using full-form characters. **Assessment:** Classwork (10%); short compositions equivalent to 1000 words (20%); group performance, including written script (10%); three 1-hour tests (20% each). **Practical field work:** Additional language laboratory work may be expected

Intermediate unit of study in Modern Standard Chinese. Rapid vocabulary expansion, strengthening of reading, writing, listening and speaking skills, and sophistication of grammatical knowledge will be pursued in integrated fashion. Students must expect to work hard, using private study time to full advantage. On completion of this unit of study, students should have active use of up to about 1000

characters and be able to engage in simple discussions, write short compositions and read fluently within their vocabulary range.

Textbooks

Ted Yao and Yuehua Liu. Integrated Chinese. Level Two. Textbook and Workbook. 2nd edition. Boston: Cheng and Tsui, 2005.

CHNS2602

Chinese 2B (Lower Intermediate)

Credit points: 6 **Teacher/Coordinator:** Dr D Bray **Session:** Semester 2
Classes: 4 or 5 hours per week. **Prerequisites:** CHNS2601 or CHNS2101
Prohibitions: HSC Chinese for Background Speakers or equivalent, CHNS2102
Assumed knowledge: Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1000 characters (preferably full-form).
Assessment: Classwork (10%); short compositions equivalent to 1000 words (20%); group performance, including written script (10%); three 1-hour tests (20% each). **Practical field work:** Additional language laboratory work may be expected

Continuation of Chinese 2A, with similar workload. Rapid enhancement and expansion of essential Chinese-language skills (proficiency in listening and speaking, reading comprehension, dictionary use, character knowledge, etc.). On completion of this unit of study, students will know up to about 1300 characters and be able to read Chinese-language materials of limited complexity and to discuss their content orally and in short compositions.

Textbooks

Ted Yao and Yuehua Liu. Integrated Chinese. Level Two. Textbook and Workbook. 2nd edition. Boston: Cheng and Tsui, 2005.

CHNS2611

Classical Chinese A

Credit points: 6 **Teacher/Coordinator:** Dr D Herforth **Session:** Semester 1
Classes: 3 class hours per week **Prerequisites:** CHNS1102 or CHNS1202 or CHNS2602 or CHNS3602 or CHNS3604 or CHNS2102 or CHNS3104 or CHNS2204 or department permission **Prohibitions:** HSC Chinese for Background Speakers (or equivalent) **Assumed knowledge:** Minimum of one year of Chinese at introductory level, preferably using full-form characters
Assessment: Classwork (10%); two 30-minute tests (5% each); three 40-minute tests (20% each); cultural exploration project resulting in an essay of 1500 words (20%).

Foundation work in Classical Chinese, an ancient language that still plays a role in modern China and that often challenges Western notions of how languages behave. Students will develop a basic understanding of the grammar and vocabulary, thus equipping themselves for exploration of China's distinctive philosophical and literary traditions in the original language. They will undertake supplementary reading in English on a topic of their choice, thus enriching their knowledge of premodern Chinese culture.

Textbooks

Robert L. Chard and Helen Dunstan. Foundations in Classical Chinese. Available from the University Copy Centre.

CHNS2612

Classical Chinese B

Credit points: 6 **Teacher/Coordinator:** Prof H Dunstan **Session:** Semester 2
Classes: 3 class hours per week **Prerequisites:** CHNS2611; or CHNS2111; or HSC Chinese for Background Speakers (or equivalent) plus department permission; or CHNS1313 plus department permission or CHNS2903
Prohibitions: CHNS2112, CHNS2904, CHNS1314 **Assessment:** Classwork (10%); three 50-minute tests (20% each); homework exercises (10%); cultural exploration project resulting in an essay of 1500 words (20%).

Continued study of Classical Chinese grammar and vocabulary through original texts. Students will gain the knowledge and confidence to explore a wider range of ancient and early-imperial Chinese philosophical and literary writings, including some poetry, thereby acquainting themselves with certain major authors in the Chinese tradition. Supplementary reading in English will enable them to broaden and deepen their understanding of Chinese culture while practising some basic research skills.

Textbooks

Robert L. Chard and Helen Dunstan. Foundations in Classical Chinese. Available from the University Copy Centre. Supplementary reference book: Edwin G. Pulleyblank. Outline of Classical Chinese Grammar. Vancouver: UBC Press, 1995

CHNS2650

Chinese In-Country Study A

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** CHNS1102 or CHNS1202 (or a sequel within the same stream); or any senior CHNS unit of study whose numeric code has 60 as the second and third digits. Native speakers of Chinese who can read Chinese fluently and seek special permission to undertake in-country study after first year must present a coherent academic rationale to the department. **Assumed knowledge:** At least a year of Modern Standard Chinese at tertiary level (or equivalent) **Assessment:** As prescribed by the host institution. On successful completion of this unit of study, students will receive a "Satisfied Requirements" result at the University of Sydney.

Note: Department permission required for enrolment.

Enrolment in an approved semester-based program of study (normally intermediate or advanced Modern Standard Chinese language-training) at a tertiary institution in China or Taiwan. Students can earn 6 credit points for every 52 hours of Chinese-language class in China or Taiwan, to a maximum of 24 credit points in any one semester. Credit may also be awarded at the rate of 6 credit points per 4 full weeks of intensive study after completion of an approved summer in-country Chinese-language program.

CHNS2651

Chinese In-Country Study B

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2652

Chinese In-Country Study C

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2653

Chinese In-Country Study D

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2654

Chinese In-Country Study E

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2655

Chinese In-Country Study F

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2656

Chinese In-Country Study G

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2657

Chinese In-Country Study H

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

All details as for CHNS2650.

CHNS2810

Chinese Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

This unit exists solely as an enrolment option for students who wish to study Chinese while on exchange at a university elsewhere than in China or Taiwan. Students who plan to study intermediate or advanced Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

CHNS2811 Chinese Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

See under CHNS2810.

CHNS2812 Chinese Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

See under CHNS2810.

CHNS2813 Chinese Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

See under CHNS2810

CHNS3601 Chinese 3A (Upper Intermediate)

Credit points: 6 **Teacher/Coordinator:** Dr Y Wang **Session:** Semester 1
Classes: 4 class hours per week **Prerequisites:** CHNS2602 or CHNS2102
Prohibitions: HSC Chinese for Background Speakers or equivalent; CHNS3103
Assumed knowledge: Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Assessment:** Classwork (20%); two 1-hour tests (40% in total); group presentation and interview (20%); short quizzes (10%); Chinese-language writing assignments (10%). **Practical field work:** Language laboratory work will be required.

Upper-intermediate unit of study in Modern Standard Chinese. Proficiency in reading will be developed through study of Chinese-language texts on a range of social and cultural topics, short Chinese-language narratives, etc. Speaking, listening and writing will be enhanced through advanced language exercises, including composition and discussion, with due attention to the more sophisticated skills (e.g., use of appropriate registers, intelligent dictionary use, expressing ideas on more complex issues than at lower-intermediate level).

Textbooks

Will include Huang Weijia and Ao Qun. Chinese Language and Culture: An Intermediate Reader. Hong Kong: Chinese University Press, 2002

CHNS3602 Chinese 3B (Upper Intermediate)

Credit points: 6 **Session:** Semester 2 **Classes:** 4 class hours per week
Prerequisites: CHNS3601 or CHNS3103 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3104 **Assumed knowledge:** Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Assessment:** Classwork (20%); two 1-hour tests (40% in total); group presentation and interview (20%); short quizzes (10%); Chinese-language writing assignments (10%). **Practical field work:** Language laboratory work will be required.

Continuation of Chinese 3A (Upper Intermediate). Continuing development of Chinese-language literacy through study of texts on a range of social and cultural topics, including some authentic literary texts. Further enhancement of speaking, listening and writing skills through advanced language exercises, including composition and discussion. Upon completion, students should be comfortable with both full-form and simplified characters, use dictionaries and language registers discerningly, and be confident of their ability to express ideas and arguments effectively in Chinese.

Textbooks

Will include Huang Weijia and Ao Qun. Chinese Language and Culture: An Intermediate Reader. Hong Kong: Chinese University Press, 2002.

CHNS3603 Chinese 4A (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr S Kong **Session:** Semester 1
Classes: 3 or 4 hours per week. **Prerequisites:** CHNS1202 or CHNS3602 or CHNS3104 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS2203; CHNS2204 **Assessment:** (Subject to revision) classwork (20%); two 1-hour tests (20% each); group presentation (10%); Chinese-language writing assignments, at least one of which may be done under test conditions (30%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Advanced training in modern Chinese language, with a focus on reading. By studying a range of literary and non-literary texts, graded for difficulty, students will acquire the reading skills necessary for advanced work in Chinese Studies. They will enrich their knowledge of Chinese as a vehicle for literary expression and discussion of important issues, while developing their own skills in oral and written expression of relatively complex subject matter. They will also acquaint themselves with some major Chinese authors.

CHNS3604 Chinese 4B (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr S Kong **Session:** Semester 2
Classes: 3 or 4 hours per week. **Prerequisites:** CHNS3603 or CHNS2203
Prohibitions: HSC Chinese for Background Speakers or equivalent; CHNS2204
Assessment: (Subject to revision) classwork (20%); two 1-hour tests (20% each); group presentation (10%); Chinese-language writing assignments, at least one of which may be done under test conditions (30%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Continuation of Chinese 4A (Advanced). Further training in the reading skills necessary for advanced work in Chinese Studies or professional work requiring Chinese-language literacy. Students will gain familiarity with a broader range of literary and non-literary texts reflecting the concerns of Chinese people in the modern world, while enhancing their ability to discuss complex subject matter in both spoken and written Chinese.

CHNS3608 Chinese for Business Purposes (A)

Credit points: 6 **Teacher/Coordinator:** Dr E U **Session:** Semester 1 **Classes:** 2 class hours per week **Prerequisites:** CHNS2602, CHNS1202 or CHNS2102
Corequisites: CHNS3601 or CHNS3603. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3421 **Assumed knowledge:** Sound intermediate knowledge of Modern Standard Chinese **Assessment:** Classwork (10%); two 90-minute in-class tests (40% in total); two take-home mini-essays in Chinese (about 550 characters each) (20% in total); research-based oral presentation (script should be about 700 characters) (15%); vocabulary quizzes (15%).

Introduction to Business Chinese for students with sound intermediate knowledge of Modern Standard Chinese. Basic training in reading Chinese-language newspaper articles, business reports and advertisements, as well as conducting business negotiation, discussion and analysis. Students will gain understanding of the organisation and characteristics of the Chinese economy, using concepts that describe recent changes in government policy, industry, banking, the stock market and import and export trades, as well as the development of consumerism.

Textbooks

Jane C. M. Kuo. Open for Business: Lessons in Chinese Commerce for the New Millennium. Vol. 1. Textbook and Workbook. Boston: Cheng and Tsui, 2001

CHNS3609 Chinese for Business Purposes (B)

Credit points: 6 **Teacher/Coordinator:** Dr E U **Session:** Semester 2 **Classes:** 2 class hours per week **Prerequisites:** CHNS3608 or CHNS3421
Corequisites: CHNS3602 or CHNS3604 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3422 **Assumed knowledge:** Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. **Assessment:** Classwork (10%); two 90 minute in-class tests (40% in total); two take-home mini-essays in Chinese (about 550 characters each) (20% in total); research-based oral presentation (script should be about 700 characters) (15%); vocabulary quizzes (15%).

Continuation of Chinese for Business Purposes (A). Further development of the skills acquired during First Semester. New topics introduced will include Chinese systems of management; the information technology, real estate and insurance industries; and issues regarding the internet, intellectual property rights, and environmental protection.

Textbooks

Jane C. M. Kuo. Open for Business: Lessons in Chinese Commerce for the New Millennium. Vol. 2. Textbook and Workbook. Boston: Cheng and Tsui, 2001

CHNS3632

The Novel in Premodern China

Credit points: 6 **Teacher/Coordinator:** Dr Y Wang **Session:** Semester 1
Classes: 3 hours per week **Prerequisites:** HSC Chinese for Background Speakers (or equivalent) plus ASNS1101 or 12 other junior non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts; or CHNS1314 or CHNS3604 or CHNS2204 or department permission
Prohibitions: CHNS3532 **Assumed knowledge:** Advanced or native-speaker proficiency in reading Chinese **Assessment:** Classwork (attendance, participation, etc.) (20%); 2500 word essay (35%); other written assignment(s) (e.g., discussion report) totalling 1500 words (30%); oral assignment(s) (e.g., presentation, discussion-leadership) equivalent to 500 words (15%). The essay or one other piece of written work may be in Chinese (consult instructor for required number of characters).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Beauty, fantasy, satire, eroticism, humour, historical romance, apt character depiction, monumental scale, reflection of popular taste, appeal to refined sensibility... The numerous novels written in pre-modern China have diverse characteristics, and some are better known than others. Students will read one or more novels in the original and/or translation. Intensive study of selected chapters, read in the original, will be combined with consideration of Chinese and/or Western scholarship on the texts in question.

Textbooks

Will include readings available from the University Copy Centre and/or online.

CHNS3641

Chinese Philosophy

Credit points: 6 **Teacher/Coordinator:** Dr D Herforth **Session:** Semester 1
Classes: 2 class hours per week **Prerequisites:** 12 credit points of Chinese language; or 12 non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts; or department permission. (Note: students who hope to attend the Chinese-language tutorials must have successfully completed one of the following: CHNS2612, CHNS2112, CHNS2904, CHNS1314).
Prohibitions: CHNS3551, CHNS3451 **Assumed knowledge:** No knowledge of the Chinese language or of Chinese philosophy is required. **Assessment:** Classwork (15%); 1-hour test (25%); 20-minute oral presentation (15%); 2500-word essay (25%); additional written assignments to a total of 1500 words, at least part of which may be done under test conditions (20%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit offers students the opportunity to explore China's great philosophical traditions through readings of important texts either in the original or in English translation. While the coverage will be broad, there may be some focus on one or more of the following: pre-Qin philosophical diversity; Daoism and Neo-Daoism; the Song and Ming Neo-Confucian schools; Chinese political philosophy; Chinese contributions to Buddhist philosophy. Students will be expected to read relevant secondary scholarship in the areas selected for study.

CHNS3646

Classical Chinese Fiction

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week
Prerequisites: CHNS2612 or CHNS2112 or CHNS1314 or CHNS2904
Prohibitions: CHNS3543, CHNS3443 **Assumed knowledge:** Good grounding in Classical Chinese **Assessment:** Classwork (20%); two 40-minute tests (15% each); 2000-word essay (25%); oral presentation based on work for essay (10%); other exercises (e.g. translation) equivalent to 1000 words of essay (15%). The essay may be in Chinese (consult instructor for the required number of characters).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

How does the lean prose of Classical Chinese express complexities of feeling or imagination? What issues does fiction in this ancient language raise about traditional Chinese society, beliefs and values? This unit of study examines samples of such fiction from one or more historical periods (e.g., pre-Tang tales of the supernatural, the chuanqi fiction of the Sui and Tang, the "strange stories" of the seventeenth-century scholar Pu Songling) in light of these questions and of modern scholarship.

Textbooks

Readings available from the University Copy Centre and/or online.

Classical Studies

CLCV1001

Classical Mythology

Credit points: 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 1
Classes: one 2 hour lecture and one 1 hour tutorial per week **Assessment:** two class tests, one 1500 word written assignment, attendance and participation

This is the junior level Classical Civilisation core unit of study. In the context of a survey of the development of myth in Greece and Rome, the unit of study examines the individual myths paying attention to their diffusion in space and time. The unit of study is not simply descriptive but looks at the relationship between myth and the culture that produced it; for example, it explores the nature of myth, its relationship with ritual and folktale, the ways in which Greek and Roman literature made use of myth. Some attention is paid to modern theory of myth as well as key modern interpretations of particular myths.

Textbooks

G.S. Kirk The Nature of Greek Myths (Penguin); H.J. Rose A Handbook of Greek Mythology (Methuen); Unit booklet (available from the University Copy Centre)

CLCV1801

Classical Civilisation Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

CLCV1802

Classical Civilisation Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

CLSS1002

Greece and Rome in Performance

Credit points: 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 2
Classes: one 2 hour lecture and one 1 hour tutorial per week **Assessment:** one 2500 word essay, one 2 hour formal exam

This unit of study explores the 'performance culture' of Classical Greece and Imperial Rome. It studies a wide range of performances - including Greek and Roman tragedy, comedy, mime, gladiatorial exhibitions and staged executions in the arena. And it adopts a wide range of approaches to analyse these performances in the terms of the original contexts of their production. It also explores the ways in which they are related to other kinds of cultural performance and self-fashioning, - religious, political and personal.

CLSS2602

Magic in Greece and Rome

Credit points: 6 **Teacher/Coordinator:** Dr Lindsay Watson **Session:** Semester 2
Classes: one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** CLSS2303, CLCV2303 **Assessment:** one 1000 word tutorial paper, one 1750 word essay, one 1750 word take-home exam

This unit will provide students with a grounding in the most important aspects of Greek and Roman magical practice. Students will acquire an understanding of the socio-cultural perceptions which informed the use of magic; gain a sense of whether certain types of magic were sex-specific; ask to what extent erotic magic can be seen as empowering; consider whether magic can be legitimately demarcated

from religion; come to understand the reasons for the hostility of Greek and Roman authorities to magical activities.

CLSS2804

Classical Civilisation Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

CLSS2805

Classical Civilisation Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Comparative Literary Studies (see International Comparative Literary Studies)

Cultural Studies

GCST2601

Introducing Media and Popular Culture

Credit points: 6 **Session:** Semester 1, Winter Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points, 12 of which must be in ANTH, ARHT, ENGL, MECO, or SCLG **Prohibitions:** WMST2001 **Assessment:** one 2000 word in-class exam and one 2000 word take-home exam

This unit of study will introduce students to the discipline of Cultural Studies through the analysis of media and popular culture. The unit of study will draw on a range of interdisciplinary theories in order to explore how contemporary media and popular culture is analysed within Cultural Studies, including focus on magazines, advertising, cinema and televisual genres, popular music and video, and the internet.

GCST2606

Genres in Cultural Context

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 1, Summer Main **Classes:** one 1 hour lecture, one 1.5 hour tutorial, half an hour of online work per week **Prerequisites:** 18 Junior credit points **Assessment:** participation, five online journal entries (totalling 1250 words), two 500 word short research projects, choice of final take-home exam or final 2000 word research essay

This unit introduces students to some theories of genre and to textual examples of specified genres. Several genres will be studied; possible examples may include romance, soap opera, sci-fi, horror, the musical, music video, and reality TV. Examples will be drawn from different media and from both popular and "high" culture. Key themes will include the place of gender in genre and the role of textual conventions in structuring meaning.

GCST2608

Gender, Communities and Difference

Credit points: 6 **Teacher/Coordinator:** Dr Linnell Secomb **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2008 **Assessment:** one 500 word tutorial assignment, one 1500 word essay and one 2000 word take-home exam *Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

This unit examines difference and diversity within community. It looks at the operation of power and at how power produces and regulates communities and identities. It questions the assumption that community is based on the unity and similarity of citizens and examines alternatives such as difference and sociality. Specific debates about the regulation of reproduction, the production of sexuality, and the provision of welfare are examined. The course is divided into 2 sections: Gender, Community and Difference; and Foucault, Power and Governance.

GCST2611

Everyday Cultures

Credit points: 6 **Teacher/Coordinator:** Dr Natalya Lusty **Session:** Semester 1 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** WMST2011 **Assessment:** one 1000 word

close-reading assignment, one 3000 word observation task and one 2000 word take-home exam, participation

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

What does everyday culture tell us about ourselves and how might a critical reflection on the ordinary and the everyday reveal extraordinary kinds of knowledge? In examining how the concept of culture and cultural value has shifted in the wake of Raymond Williams' integrated account of culture as "a whole way of life", this course will draw on a range of theoretical concepts and methodologies employed in Cultural Studies. These critical tools will be used to investigate the ways we form meanings, stereotypes and values around particular social practices and identities.

GCST3603

Consumer Cultures

Credit points: 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 2, Winter Main **Classes:** three hours per week **Prerequisites:** 18 Junior credit points, including 6 credit points in GCST **Prohibitions:** WMST3003 **Assessment:** attendance and participation, one 3000 word essay, one 1500 word in-class test

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

From the theoretical basis of feminist cultural studies, this unit examines the ways in which identities are increasingly formed through consumption. It looks both at critiques of consumer societies and at more optimistic theories about the different forms of life that are promoted by consumer culture, including the forms of identity and belonging they engender. We will consider elements of both material culture (e.g. possessions) and media culture.

GCST3604

Cultural Theory

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 2 **Classes:** one 1 hour lecture, one 1.5 hour tutorial and 30 minutes of online learning per week **Prerequisites:** GCST2606, GCST2608, GCST2611, GCST2612, or GCST3603 **Assessment:** four 500 word responses to readings (15% each); choice of exam or 2000 word research essay (25%); participation in class and online

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Cultural Studies was widely discussed as one of the "New Humanities" in the 1990s, but a long history of debates about and theories of culture precede the discipline, and the processes of deciding what are the key texts and concepts of Cultural Studies is ongoing. This unit overviews the most frequently most frequently referenced critical and theoretical texts of the Cultural Studies "canon". Students will also consider in detail the place of Cultural Studies in the humanities and debates over its institutionalisation.

Digital Cultures

ARIN1000

Digital Communication and Culture

Credit points: 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 1500 word essay, one 1500 word tutorial presentation, one in-class test and tutorial participation

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA.

Today we live in an "Information Age" where computer-based information technologies, from the Internet and e-commerce to virtual reality and computer games, have revolutionised the way we live, work, communicate and entertain ourselves. In this subject we will closely examine the political, historical, social, cultural and aesthetic dimensions of this information revolution.

Textbooks

ARIN1000 Course Reader

Recommended reading:

Flew, T. (ed) (2005) New Media. Oxford: Oxford University Press.

ARIN2600**Technocultures**

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN3000 **Assessment:** One 1500 word review essay, one 1000 word online project, one 2000 word research essay and class participation

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA

Technocultures explores how technology and culture are bound together in increasingly complex ways. Information and communication technologies in particular are contributing to widespread reconfigurations of writing, sociality, politics, aesthetics, perception, memory and thought itself. Drawing on recent critical theory and cultural research, this unit offers ways to unravel the complex interplay between humans and technologies.

Textbooks

ARIN2600 Course Reader

Recommended reading:

Trend, David (2001) Reading digital culture, Malden, Mass. and Oxford: Blackwell.

ARIN2610**Web Production**

Credit points: 6 **Teacher/Coordinator:** Mr J Tonkin **Session:** Semester 2
Classes: One 1 hour lecture and one 2 hour workshop per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN2100 **Assessment:** One 1000 word website review, one online project/website (equivalent to 2500 words) and one 1000 word project report

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA.

This unit of study introduces students to key concepts and skills for producing multimedia for the World Wide Web. Students will critically examine dominant design methodologies to understand contemporary genres of Internet content and connectivity. They will learn simple programming languages and content creation tools to build and manage websites in a way that is appropriate to specific researched contexts.

Textbooks

ARIN2610 Course reader

Recommended reading:

Patrick Lynch, Patrick and Sarah Horton Web Style Guide, 2nd edition <http://webstyleguide.com/>
 Rogers, Richard (2004) Information Politics on the Web. Cambridge, MA: MIT Press.

ARIN2620**Cyberworlds**

Credit points: 6 **Teacher/Coordinator:** Dr C Crowe **Session:** Semester 1
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN2200 **Assessment:** One 750 word paper/review, one 3000 word project/essay and one 750 word journal

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA. May be cross-listed for a Sociology major

Are online encounters different from face-to-face encounters? Are online communities 'real' communities? This unit of study introduces students to key perspectives, themes and debates in the expanding world of cyberspace and cyberspace communities. Students will examine issues such as sexuality, gender and race in relation to notions of identity, power and deviance in cyberspace, and investigate the national and global production and consumption of cyberworlds in relation to professional and personal relationships.

Textbooks

ARIN2620 Course Reader

Recommended reading:

Flew, T. (ed) New Media. Oxford: Oxford University Press.

ARIN2630**Digital Arts**

Credit points: 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 2
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN2300 **Assessment:** One 2000 word essay, one 1000 word review and one research project (equivalent to 1500 words)

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA. May be cross-listed for an Art History and Theory major.

This unit of study introduces students to a diverse range of art practices that utilise new digital media including: interactive art works, digital media installations, net art and art and science projects. Students will learn about the aesthetic and technical dimensions of new digital technologies and will develop the critical and analytical tools with which to discuss and evaluate digital art works.

Textbooks

ARIN2630 reader

Recommended reading:

Christiane Paul. Digital Art. London: Thames & Hudson, 2003

ARIN2801**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2802**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2803**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2804**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2805**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2806**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2807**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN2808**Digital Cultures Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ARIN3620**Researching Digital Cultures**

Credit points: 6 **Teacher/Coordinator:** Dr C Crowe **Session:** Semester 2
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARIN1000 and one of ISYS1003 or INFO1000 or INFO1003. **Prohibitions:** ARIN2000 **Assessment:** One 750 word paper/review, one 3000 word project/essay and one 750 word journal

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA.

This unit introduces students to key themes, methodologies and practices in Arts Informatics research, including how to collect, interpret and analyse material. Students will critically engage with current debates in research methodology including: the use and development of theory; research ethics; and the relationships between observation and interpretation. Students will engage with a number of qualitative and quantitative forms of analysis, including participatory methods, interviews, surveys, discourse analysis, content analysis and case studies.

Textbooks

ARIN3620 Course Reader

Recommended reading:

Jensen, K. (2002) Handbook of Media and Communication Research. London and New York: Routledge.

ARIN3640

Computer Games and Simulation

Credit points: 6 **Teacher/Coordinator:** Mr J Tonkin **Session:** Semester 1
Classes: One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 18 junior credit points **Assessment:** One 1000 word review, one 2000 word essay and one 1500 word project

Note: Available to students enrolled in the BA (Digital Technology and Culture) and BA.

From first person shooters to massively multiplayer environments, computer games are rapidly emerging as distinctive cultural forms. The screen languages of interaction and simulation are diverging from and complicating cinematic and televisual conventions. Simulation and visualisation technologies and techniques have developed across many fields. This unit of study introduces students to key concepts and methodologies in computer games and simulation. It combines critical and historical readings in games studies, new media theory and interaction design with hands-on exercises.

Textbooks

ARIN2610 Course Reader

Recommended reading:

Raessens, Joost and Jeffrey Goldstein (2005) Handbook of Computer Game Studies. Cambridge, MA: MIT Press.

Salen, K. and Zimmerman, E. (2003) Rules of Play, Game Design Fundamentals Cambridge, MA: MIT Press.

ARIN3650

Digital Cultures Project 1

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1
Classes: One 2 hour seminar and one 1 hour consultation with supervisor per week **Prerequisites:** ISYS3403 (ISYS3113), ISYS3400 (ISYS3207) and ARIN3620 (ARIN2000) **Prohibitions:** ARIN3500, ARIN3600 **Assessment:** One 1000 word review, one 2000 word research essay and one 1500 word project proposal

Note: Available to BA (Digital Technology and Culture) students only.

In this unit of study students will research and develop a detailed proposal for the Digital Cultures project. This gives students in the BA (Digital Technology and Culture) the opportunity to apply, extend and inter-relate the skills and knowledge they have gained from their Information Systems major, their Arts major, and Digital Technology and Culture units. This proposal will form the basis of the project in ARIN3660.

Textbooks

ARIN3650 Course Reader

ARIN3660

Digital Cultures Project 2

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 2
Classes: One 2 hour seminar and one 1 hour consultation with supervisor per week **Prerequisites:** ISYS3403 (ISYS3113), ISYS3400 (ISYS3207), ARIN3620 (ARIN2000) and ARIN3650 **Prohibitions:** ARIN3500, ARIN3600 **Assessment:** One 1000 word project presentation, one 2500 word equiv. project prototype and documentation, one 1000 word project report and participation.

Note: Available to BA (Digital Technology and Culture) students only.

In this unit of study students will develop a prototype of the Digital Cultures project that they proposed in ARIN3650. Through this project they will demonstrate strategies, skills and knowledge from their studies in Information systems, the Arts, including units in the Digital Technology and Culture Program.

Textbooks

ARIN3660 Course Reader

ARIN3670

Digital Cultures Internship

Credit points: 6 **Teacher/Coordinator:** Dr C Crowe **Session:** Semester 1, Semester 2 **Prerequisites:** ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO **Corequisites:** ARIN3670 Students will usually not enrol in ARIN3670 until the second semester of their 3rd year. **Prohibitions:** Enrolment is subject to approval by the Director of the BA (Digital Technology and Culture) program and locating an appropriate match between student and organisation. **Assessment:** Students must satisfy

the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report. Students will also be required to keep an online journal during the duration of the internship. The internship and journal are assessed on a satisfactory/unsatisfactory basis.

Note: Department permission required for enrolment.

The internship consists of a work placement comprising a minimum of 20 working days in an appropriate organisation, assisted and supervised by both the workplace and staff from the Digital Technology and Culture Program. Placements may include arts and cultural organisations and information and communication technology organisations. Students will be required to keep an online journal documenting and analysing their experiences during the internship. In consultation with their supervisor, students will formulate a topic for their research essay for the co-requisite unit ARIN3680 Digital Cultures Internship Project.

ARIN3680

Digital Cultures Internship Project

Credit points: 6 **Teacher/Coordinator:** Dr C Crowe **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO **Corequisites:** ARIN3670 **Assessment:** One 1000 word annotated bibliography and one 3500 word research essay

The Digital Cultures Internship Project follows on from the ARIN3670 Digital Cultures Internship where students are placed within an appropriate workplace. The major assessment for this unit of study is a research essay where students critically reflect on these experiences.

English

ENGL1000

Academic Writing

Credit points: 6 **Teacher/Coordinator:** Dr R Johnke (Sem 1 2007); Dr S Thomas (Sem 2 2007) **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** One 1 hour lecture and one 2 hour workshop per week **Prerequisites:** This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native competence in written English. Students not meeting this requirement should enrol in appropriate remedial English courses before undertaking ENGL1000. ENGL1000 cannot be counted towards the junior credit points required to enrol in senior units of English, though it can be counted as an elective in most degree programs. **Assessment:** One 750 word annotated bibliography, one 1500 word essay, one 1000 word critical reading task, one oral presentation and a weekly journal

Academic Writing is designed to improve student writing at all undergraduate levels in a variety of formats across a range of disciplines. Lectures and workshops are organized around readings about rhetoric and its aims, films that illustrate the arts of rhetoric at work and exercises in writing, critical analysis and editing. Students are presented with examples of 'real' student writing and taught to differentiate between effective and ineffective approaches.

Textbooks

Corbett, Edward P.J. and Robert Connors. Classical Rhetoric for the Modern Student. 4th Ed. Oxford UP: 1999.

ENGL1002

Narratives of Romance and Adventure

Credit points: 6 **Teacher/Coordinator:** Dr L Semler **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One essay, end of semester exam, assignment, oral presentation and tutorial participation

This unit explores the art of narrative from Greek and Roman antiquity to the present. What makes Homer's Odyssey and Ovid's Metamorphoses defining texts for the history of narrative? Why are the early masters of English narrative so compelling? How does a film like O Brother, Where Art Thou? fit in? Issues of particular relevance include the nature of epic, myth and satire; the unfolding of adventure and gender relations; the history of Britain; and the nature of humankind.

Textbooks

Shakespeare, Cymbeline

Swift, Gulliver's Travels
Coen brothers (film), O Brother, Where Art Thou?
Unit Resource Book, including:
Homer, Odyssey, extracts; Ovid, Metamorphoses, extracts
Sir Orfeo; Malory, Morte d'Arthur, extracts
Marlowe, Hero and Leander; Narrative theory readings

ENGL1007

Language, Texts and Time

Credit points: 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Assessment:**
Two 500 word assignments, one 2000 word essay and one 1.5 hour exam

This course equips students with some general tools for the close analysis of literary language. Grammatical concepts will be introduced and applied to the description of prose, poetry and drama, and students will explore the changing relations between form and meaning in English from the earliest times up to the present. A number of key strands in contemporary language study will also be presented, including semiotic theory, rhetoric and discourse studies and theorizations of the relationship between texts and subjectivity.

Textbooks

Crystal, David, The Cambridge Encyclopedia of the English Language 2ed (Cambridge, 2003)
Barber, Charles, The English Language: A Historical Introduction (Cambridge, 1993).
Lennard, John, The Poetry Handbook 2ed (Oxford, 2005).
A Resource book will be available from the University Copy Centre.

ENGL1015

Inventing Modernity

Credit points: 6 **Teacher/Coordinator:** Dr M Hardie **Session:** Semester 1
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Assessment:**
One 1000 word assignment, one 1500 word essay, oral presentation, tutorial performance and one 1.5 hour exam

What does it mean to be modern? In this subject we will explore written, visual and audio-visual texts to explore how the modern world was created and imagined. The unit concentrates on films and writing from the period 1850 - 1930, and pays particular attention to: interplay between the cinematic, visual and the written text as forms of representation, the development of mass reproduction and literacy, experimentalism, manifestoes, movements and communities, the constitution of gendered and racialised identities.

Textbooks

Fritz Lang M (recommended)
Scorsese Age of Innocence
Stoker Dracula
Wharton Age of Innocence
Woolf To The Lighthouse
Unit of Study Reader

ENGL1025

Fiction, Film and Power

Credit points: 6 **Teacher/Coordinator:** Dr S Mattesich **Session:** Semester 1
Classes: Two 1hour lectures and one 1 hour tutorial per week **Assessment:**
Two 1500 word essays, one oral presentation and one 1 hour exam

A fundamental feature of the modern world is the predominance of media and communication technologies over older, and increasingly anachronistic, "book" cultures. This course looks at the consequences of such a shift for our sense of identity and place by focusing on translations from text to film. A principal theme will be the relations between narrative form and visual experience, with an eye always on the social contexts in which images become a form and source of power. The course will also serve as an introduction to the critical vocabulary used to understand late modern society.

Textbooks

Raymond Chandler, The Big Sleep
Nathanael West, The Day of the Locust
Patricia Highsmith, The Talented Mr. Ripley
Peter Carey, Bliss
Films:
The Big Sleep (dir. Hawks)
Network (dir. Lumet)
The Talented Mr. Ripley (dir. Minghella)
V For Vendetta (dir. Adrian McTieague)
The Thin Red Line (dir. Malick)

ENGL1025 Course Reader
Recommended Reading/Viewing
Network, screenplay by P. Chayevsky
V for Vendetta, graphic novel by Alan Moore
Stephen King, The Shining
They Shoot Horses, Don't They? (dir. Pollack)
Strangers on a Train (dir. Hitchcock)
Purple Noon (dir. Clement)
Bliss (dir. Ray Lawrence)
The Shining (dir. Kubrick)

ENGL1801

English Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

ENGL1802

English Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

ENGL2600

Anglo-Saxon Norse and Celtic Studies

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:**
12 junior credit points of English excluding ENGL1000 **Assessment:** One 2500 word essay, one 1500 word tutorial performance and one 2 hour exam

This unit of study gives students the opportunity to study three closely related cultures of North-West Europe from the Early Middle Ages. These are: the cultures of the Anglo-Saxons, who migrated to England from Northern Europe; the Norse (or Scandinavians), who had a major impact on the rest of Europe in the Viking Age; and the Celtic peoples of Continental Europe and the British Isles (the Irish and the Welsh will be our focus here). Two lecture hours per week will discuss the history of the Anglo-Saxons, the Celts and the Norse; their writing systems, the extent of the written corpus of all three cultures; society and the law; and the character of Anglo-Saxon, Norse and Celtic literatures studied in translation. The third hour will be a tutorial. Each student will choose to study one of the following three languages at elementary level: Old English (Anglo-Saxon); Old Norse (Old Icelandic) and Old Irish. Students' understanding of the language strand will be examined at the end of semester. The teaching of Celtic language will depend on the availability of staff. For information, check with the unit of study coordinator. Students not otherwise qualified to enrol in Special Entry units, but who wish to continue their study of the language they have chosen in this unit of study, and have a obtained a Credit or better in Anglo-Saxon, Norse and Celtic Studies, may apply to the Professor of English Language and Early English Literature for permission to continue the study of their chosen language in either ENGL3621 (Studies in Medieval Languages A, Semester 1) or ENGL3631 (Further Studies in Medieval Languages A, Semester 2).

Textbooks

Michael Barnes, A New Introduction to Old Norse Pt 1 Grammar (University College London, 20004)
Jesse Byock, Viking Age Iceland (Penguin, 2001)
John Strachan, Old Irish Paradigms and Selections from the Old Irish Glosses (Royal Irish Academy, Dublin)
A.I. Jones, Reading Old English: An Introduction (available from department)

ENGL2613

Literature and Politics

Credit points: 6 **Teacher/Coordinator:** Dr J Murphet, Dr P Marks **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week

Prerequisites: 12 junior credit points of English excluding ENGL1000
Prohibitions: ENGL2013 **Assessment:** One in-class presentation, one 1500 word assignment, and one 2000 word research project.

This unit surveys a range of forms and genres of political writing, and offers three in-depth modules on c19th and c20th political culture. Our study of the 'Scramble for Africa' (1885-1902), the 'Popular Front' (1934-1941), and the 'Cold War' (1950-1988) will allow students to navigate their own pathways through a variety of politicised literary forms. You will be encouraged to contest official images of these periods, and to use texts to show how history, literature and political imaginaries are indissolubly linked.

Textbooks

Thomas Moore, *Utopia*
 Joseph Conrad, *Heart of Darkness*
 Course Reader of selected poetry and secondary material.

ENGL2629

Victorian Literature

Credit points: 6 **Teacher/Coordinator:** Dr V Smith **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2029 **Assessment:** One 3000 word essay and one 1.5 hour exam

An exploration of literature, culture and Empire in the Victorian period. The course will develop detailed, historicised readings of key Victorian literary texts. Areas of focus will include Victorian morality, the country and the city, Evolution and the novel, the politics of Empire, and 'Victorian Things'.

Textbooks

The Norton Anthology of English Literature, volume 2B. The Victorian Age. (Students who own The Norton Anthology, 7th edition, vol. 2, the book for 'Inventing Modernity' (ENGL1015), do not need to buy The Victorian Age).
 Dickens, *Great Expectations* (Penguin)
 Eliot, *Middlemarch* (Everyman)
 Additional material may be included in a Course Reader.

ENGL2635

Contemporary American Literature

Credit points: 6 **Teacher/Coordinator:** Dr K Lilley, Dr M Hardie, Dr J Murphet **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2035 **Assessment:** One 15 minute presentation and tutorial mark (20%), one 1500 word essay (30%) and one 2 hour exam (50%)

Looking at cinematic, written, and hypermedia texts of the last decade, this unit asks these questions: how were "dark places" and pathologies imagined and equilibrated in popular and literary imaginaries? In an era of bust and boom, and in the "wake" of postmodernism, how do texts track their own fortunes and investments? What happens to the written text in the age of hypermedia? In short, this unit of study asks students to speculate: Whose stocks are up? Whose down?

Textbooks

Franzen, *The Corrections*
 Ashbery, *Girls on the Run*
 Roth, *The Plot Against America*
 Foster Wallace, *Oblivion*
 Le Blanc, *Random Family*
 Happiness (dir. Solondz)
 Magnolia (dir. Anderson)

ENGL2636

The English Bible and English Literature

Credit points: 6 **Teacher/Coordinator:** Dr D Speed (Coordinator), Dr D Anlezark, Dr B Gardiner, Dr B Spurr **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2036 **Assessment:** One 2000 word essay (50%) and one 2 hour exam (50%)

This historically-based unit provides an introduction to the Bible in English and the significance of the Bible for English-language literature. You will gain an overview of the Bible as textual construct and ideological force, and have the opportunity to engage with the Bible itself as literature. Through the study of a range of literary texts from different periods you will discover the central place of biblical stories, images, and discourses in our cultural heritage.

Textbooks

Course Reader.

The Norton Anthology of Poetry (most recent edition); lists of items to be studied will be provided.

The Bible in English (students will need ready access to the Authorized / King James Version) and a reliable modern translation such as the New Revised Standard Version).

James Fenimore Cooper, *The Deer-Slayer*.

A list of recommended background and critical reading will be provided.

ENGL2638

Literature and Cinema

Credit points: 6 **Teacher/Coordinator:** Dr D Kelly **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2038 **Assessment:** Oral presentation, one 2000 word essay and one 2 hour exam

This unit of study will examine issues arising from a comparative study of literature and cinema. These issues include: continuities and discontinuities between literature and cinema; the forms and modes of literature and cinema; the questions of adaptation, intertextuality and genre; the cultural and historical contexts of literary and cinematic texts; the figurative styles of literature and cinema; and narrative and narration in literature and cinema.

Textbooks

Course Reader
 Sophocles: *Oedipus Rex**
 Hammett: *The Maltese Falcon*
 Williams: *A Streetcar Named Desire*
 Burgess: *A Clockwork Orange*
 Ursula Le Guin: *The Dispossessed*
 (*Available in Resource Book)
 Films:
 Hitchcock: *Rope*
 Huston: *The Maltese Falcon*
 Schumacher: *Phonebooth*
 Niccol: *Gattaca*
 Gilliam: *Brazil*
 Jonze: *Adaptation*

ENGL2640

Shakespeare

Credit points: 6 **Teacher/Coordinator:** Prof P Gay **Session:** Semester 1 **Classes:** Two 1 hour lectures and One 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2040 **Assessment:** Workshop presentation (15%), 1500 word essay (30%), 2000 word journal (35%), and one 1 hour exam (20%)

An intensive study of plays by Shakespeare in a variety of genres, with an emphasis on performance. Particular attention is given to the impact of Renaissance and modern performance conditions, such as playhouses, companies, and audiences. Where possible film or video versions and current Sydney productions are discussed. Attention will also be given to the language of the plays, their relationship to dramatic genres, and varieties of contemporary interpretation. The workshops will experiment in the staging of key scenes.

Textbooks

The Norton Shakespeare, gen. ed. Stephen Greenblatt

ENGL2641

The 18th Century: Authority and Anxiety

Credit points: 6 **Teacher/Coordinator:** Dr W Christie **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2041 **Assessment:** Oral presentation, one 2000 word essay and one 2 hour exam

This unit explores the concept and construction of authority in the literature of the eighteenth-century in the face of challenges throughout the period to established modes of thought and conduct. It examines eighteenth-century notions of tradition, order, judgment, and virtue at the same time as considering the real or imagined threat posed by modernity, novelty, and insanity of various kinds.

Textbooks

Defoe, *Robinson Crusoe* (Norton)
 Fielding, *Tom Jones*, *World's Classics* (OUP)
 Montagu, *Turkish Embassy Letters* (Virago)
 Eighteenth-Century Women Dramatists, ed. Finberg, *World's Classics* (OUP)
 The Norton Anthology of Poetry
 A Resource Book will be available from the University Copy Centre.

ENGL2649**The World of Fantasy**

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2049
Assessment: One 2000 word essay (50%), one 1 hour exam (30%), one tutorial paper (10%) and tutorial performance (10%)

The novels of J.R.R. Tolkien highlight the debt of modern fantasy to the landscapes and languages of medieval literature. This unit traces traditions of the fantastic from the Middle Ages to the present day and considers the relationship of the fictive worlds of the set texts to their cultural and ideological contexts. Tolkien, his medieval and modern predecessors, and his successors form the focus for discussion of the enduring power of the tradition in both written texts and film.

Textbooks

Rider Haggard, King Solomon's Mines
 Rider Haggard, She
 C.S. Lewis, The Lion, the Witch and the Wardrobe
 J.K. Rowling, Harry Potter and the Philosopher's Stone
 J.R.R. Tolkien, The Fellowship of the Ring
 Marion Zimmer Bradley, The Lady of Avalon
 Chaucer's Wife of Bath's Tale and other medieval material including selections in translation from Beowulf and Old Norse literature will be included in a course reader.

ENGL2652**Modern Rhetoric**

Credit points: 6 **Teacher/Coordinator:** Dr S Thomas **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Prohibitions:** ENGL2052
Assessment: Two 2000 word essays and tutorial participation.

Note: May be cross listed to a major in Linguistics

This unit will introduce students to both the theory of rhetoric: the study of human communication, and the practice of rhetoric: the use of language, signs and silence to convey a particular message. It will trace the development of modern theories from classical and later ideas about rhetoric, and teach students to analyse and improve their own written and spoken communication. Students will learn to pay close attention to language, context, and audience. They will develop skills in analysis, interpretation and composition that apply to academic and professional communication as well as literary study.

Textbooks

C. Perelman, The Realm of Rhetoric (Notre Dame, 1982)
 A Resource book will be available from the University Copy Centre

ENGL2653**Varieties of English Grammar**

Credit points: 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 1
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in English (excluding ENGL1000) or Linguistics
Prohibitions: ENGL2053 **Assessment:** One 500 word assignment, one 2500 word essay and one 1.5 hour exam

This unit introduces students to various ways of talking about English grammar - systemic, generative, traditional among others - and asks them to consider why we might choose one approach or another for tasks such as text interpretation. The unit also introduces students to the history of grammar as a discipline in the European tradition, with a particular focus on the development of grammars in English. This will provide useful background for a detailed examination of the dominant traditions in grammar theory since 1900.

Textbooks

Halliday, M.A.K. and Matthiessen, C. An Introduction to Functional Grammar (London, 2004)
 Radford, Andrew, English Syntax. An Introduction (Cambridge, 2004).
 A Resource book will be available from the University Copy Centre.

ENGL2656**From the Metaphysicals to Milton**

Credit points: 6 **Teacher/Coordinator:** Dr B Spurr **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English excluding ENGL1000 **Assessment:** One 2500 word essay and one 2 hour exam

The English Renaissance of the sixteenth and seventeenth centuries presents an extraordinary variety of literary themes and styles, from love lyrics to the most profound religious meditations, from the brief utterances of songs and sonnets to the epic scope of Paradise Lost, from personal revelation to urgent political and social commentary. This unit of study offers a survey of the period, in historical, cultural and aesthetic terms, and focuses closely on the poetry of Spenser, Donne, Herbert, Milton and Marvell.

Textbooks

The Norton Anthology of Poetry, 5th edn
 John Milton (Oxford Authors)

ENGL2811**English Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2812**English Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2813**English Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2814**English Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2815**English Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2816**English Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of a 4 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2817 English Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL2818 English Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL3603 Contemporary British Literature

Credit points: 6 **Teacher/Coordinator:** Dr P Marks **Session:** Semester 1
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** One 4000 word essay, one 1500 word journal, one in-class oral presentation written up as a 500 word report

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines literary texts produced in Britain in the past three decades, exploring their relationship to significant social and political changes occurring in Britain over that period. The unit investigates how key writers, by employing a range of literary modes and forms, and by dealing with pressing public concerns, have imagined, critically assessed and materially contributed to the shape and flavour of contemporary British culture.

Textbooks

Angela Carter, *The Bloody Chamber*
Salman Rushdie, *Midnight's Children*
James Kelman, *Greyhound for Breakfast*
Martin Amis, *Money*
Iain Sinclair, *Downriver*
Ian Jack (ed) *Granta 81: Best of Young British Novelists 2003*
Ali Smith, *The Whole Story and Other Stories*
Alan Hollinghurst, *The Line of Beauty*

ENGL3604 Cinematic Modernism

Credit points: 6 **Teacher/Coordinator:** Dr J Murphet **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 18 senior credit points of English **Assessment:** One in-class 1000 word assignment, one one-hour examination (1000 words) one 4000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will explore the effects of the film medium on the existing cultural technologies of literature in the first half of the twentieth century. We will ask how technical possibilities only partially explored by their native medium were transmitted freely into others: poetry, prose, theatre. Blending film history with literary history, and ranging both alongside pivotal works in the cultural theory of modernism, the unit will equip students with an inter-media perspective on cultural change and transposition.

Textbooks

Ballet mécanique (dir. Léger)
The Cabinet of Dr. Caligari (dir. Weine)
Man with a Movie Camera (dir. Verov)
Sunrise (dir. Murnau)

Un Chien Andalou/L'Age d'Or (dirs. Buñuel & Dalí)
Eugene O'Neill, *Anna Christie/The Emperor Jones/The Hairy Ape*
Gertrude Stein, *Operas and Plays*
Ernest Hemingway, *The Short Stories*
Wyndham Lewis, *Tarr or The Revenge for Love* (depending on availability)
ENGL3602 Course Reader

ENGL3611 English Language and Literary Theory A

Credit points: 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 1
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3915 **Assumed knowledge:** Any one of ENGL2619, ENGL2019, LNGS3601, LNGS2603, SMTC2001, SMTC2002. **Assessment:** One 2000 word essay and one 4000 word essay. Honours candidates must submit a single 5000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines some key historical and theoretical topics in the semiotics of language. We begin with an investigation into the structuralist legacy, concentrating on exegetical and theoretical questions raised by Saussurean *valeur* and *différence*. We then discuss analyses of lexical polysemy and alternatives to the Saussurean paradigm provided in the Humboldtian and Soviet traditions and in Relevance Theory. The course ends by assessing the desirability and difficulties of accommodating emotion in theories of linguistic signification.

Textbooks

Lyons, J. *Structural Semantics* (Oxford, 1963)
Kristeva, J. *Language the Unknown* (New York, 1989)
Cooper, D.E. *Meaning* (Chesham, 2003)
A Resource book will be available from the University Copy Centre.

ENGL3612 English Language and Literary Theory B

Credit points: 6 **Teacher/Coordinator:** Dr J Shaw **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** One oral presentation exercise with associated documentation; one annotated bibliographic exercise and one 2000 word essay.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In 2007 the unit offered will be: Media Communication Theory. This unit of study is suitable for students who already have some basic knowledge of media studies. Topics include the rise of the mass media, theories of media in society, institutional aspects of the media, theories of media text production, and the construction of media audiences.

Textbooks

Kevin Williams, *Understanding Media Theory*
Denis McQuail, *McQuail's Reader in Mass Communication Theory*

ENGL3621 Studies in Medieval Languages A

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3911 **Assessment:** One 3000 word essay and one 1.5 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In this unit of study, students will be able to further their elementary knowledge in one of the medieval languages the Department teaches at an advanced level. Languages expected to be offered are: Old English, Old Norse-Icelandic, Old Irish and Middle Welsh (depending on staff availability). Knowledge of the grammar of the chosen language and the study of the texts in the original language will form the core of the unit.

ENGL3622 Studies in Medieval Languages B

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3921 **Assessment:** One 3000 word essay and one 1.5 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In this unit of study, students will be able to further their elementary knowledge of one of the medieval languages the Department teaches at an advanced level. Languages expected to be offered are: Old English, Old Norse-Icelandic, Old Irish and Middle Welsh. Knowledge of the grammar of the chosen language and the study of the texts in the original language will form the core of the unit.

ENGL3631

Further Studies in Medieval Languages A

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3916 **Assessment:** One 3000 word essay and one 1.5 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In this unit of study, students will have the opportunity to read texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Middle English) not previously studied. The actual languages taught in 2007 will depend on student demand and staff availability.

ENGL3632

Further Studies in Medieval Languages B

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3926 **Assessment:** One 3000 word essay and one 1.5 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In this unit of study, students will have the opportunity to read further texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Old Irish, Middle Welsh, Middle English) previously studied. The actual languages taught in 2007 will depend on student demand and staff availability.

ENGL3642

Studies in Medieval Literatures

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** Written work totalling 6000 words

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is devoted to linguistic, literary, critical and cultural studies of Medieval English and other literatures from 1066 to 1550. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2007 the topic will be "Dreams and Visions". This unit will study the literature of dreams and visions of the Middle Ages and the Early Modern period against a range of literary and social backgrounds. The unit will begin with a survey of the classical and biblical background to works which may be defined as dreams or visions, as well as examining the relationship between the two genres and their transformations from the Middle Ages into the Renaissance.

Textbooks

The Dream of the Rood
 Langland's, The Vision of Piers Plowman
 Julian of Norwich's, Revelations of Divine Love
 Shakespeare's, A Midsummer Night's Dream

ENGL3652

Studies in Early Modern English B

Credit points: 6 **Teacher/Coordinator:** Dr K Lilley **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** Written work totalling 6000 words

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is devoted to linguistic, literary, critical and cultural studies of Early Modern English from about 1500 to 1800. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2007 the topic will be "Early Modern Identities". This course focuses on scandals of identity in the period of the emergence of the professional male and female author and the

rise of the female reader. The emphasis is on fiction, non-fiction and poetry in relation to the performance of gender and sexuality in writing and everyday life. We will also consider the 1933 Hollywood film, Queen Christina, starring Greta Garbo.

Textbooks

Lilley, ed. Margaret Cavendish: The Blazing World (Penguin Classics)
 Salzman, ed. Aphra Behn: Selected Writings (World's Classics)
 Rivero, ed. Daniel Defoe: Moll Flanders (Norton Critical Editions)
 Keymer, ed. Richardson, Samuel: Pamela (World's Classics)
 Ingrassia, ed. Henry Fielding and Eliza Haywood: Anti-Pamela and Shamela (Broadview)
 Fielding, The Female Husband (download from SETIS databases)
 Rumrich & Chaplin, eds Seventeenth Century British Poetry 1603-1660 (Norton Critical Editions)
 Mamoulouian, d. Queen Christina (Film)

ENGL3661

The Long Nineteenth Century A

Credit points: 6 **Teacher/Coordinator:** Dr D Kelly **Session:** Semester 1
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3924 **Assessment:** Written work totalling 6000 words

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is devoted to linguistic, literary, critical and cultural studies of English in the long nineteenth century, from 1770 to 1914. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2007 the topic will be "American Romance".

Textbooks

Irving (selected tales)*
 Poe (selected tales)*
 Hawthorne, The Scarlet Letter*
 Whitman, Leaves of Grass (complete 1855 edition)*
 Thoreau, Walden*
 Crane, The Red Badge of Courage
 James, Washington Square
 Chopin, The Awakening
 Dreiser, Sister Carrie
 * In The Norton Anthology of American literature vol B: 1820-1865

ENGL3662

The Long Nineteenth Century B

Credit points: 6 **Teacher/Coordinator:** Dr B Gardiner **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3923 **Assessment:** One 1000 word report and one 5000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is devoted to linguistic, literary, critical and cultural studies of English in the long nineteenth century, from 1770 to 1914. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2007 the topic will be "Aesthetics & Aestheticism". In this unit we shall consider German aesthetics and English Aestheticism, and their pertinence to Romantic, Victorian, and early Modernist literature.

Textbooks

1. German aesthetics (four weeks)
 Kant, Critique of the Power of Judgment, trans. Guyer & Matthews (Cambridge)
 Hegel, Introductory Lectures on Aesthetics, trans. Bosanquet (Penguin)
 Adorno, Aesthetic Theory, trans. Hullot-Kentor (Continuum), selections [recommended text only]
 de Man, Aesthetic Ideology, ed. Warminski (Minnesota), selections [recommended text only]
 2. English aestheticism (six weeks)
 Ruskin, The Stones of Venice, abridged (Penguin)
 Pater, The Renaissance
 Wilde, The Picture of Dorian Gray
 Wells, The Time Machine
 The Norton Anthology of Poetry, for poems by Wordsworth, Browning, Hopkins, and Pound

ENGL3961

English: The Language and the Canon

Credit points: 6 **Teacher/Coordinator:** Dr B Gardiner **Session:** Semester 1
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 18 senior credit points of English **Corequisites:** ENGL3962 **Prohibitions:** ENGL2901, ENGL2902 **Assessment:** Assignments totalling 3000 words on

the history of the language, and an essay of 3000 words on some aspect of the literary canon.

Note: Department permission required for enrolment.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

How has English developed from several local dialects in fifth-century Britain to a global language? How have speakers and writers compelled and exploited its development? How distinct are Old, Middle, and Modern English? Why do we regard certain texts as literary, and some among them canonical? How do we describe and value them in terms of their historical derivation, their verbal constitution, and our own circumstances? How different were and are the canons of Old, Middle, and Modern English literature?

Textbooks

Those shared with ENGL3692:

Norton Anthology of Poetry, ed. Ferguson et al.

Norton Anthology of Theory & Criticism, ed. Leitch et al.

Others:

Knowles, Cultural History of the English Language

Shakespeare, King Lear

Resource book

ENGL3962

English: The Text and the Critic

Credit points: 6 **Teacher/Coordinator:** Dr B Gardiner **Session:** Semester 2
Classes: One 2 hour seminar per week **Prerequisites:** Credit or above in 18 senior credit points of English **Corequisites:** ENGL3961 **Prohibitions:** ENGL3910, ENGL3920 **Assessment:** Assignments totalling 3000 words on bibliographical and editorial practice and theory, and an essay of 3000 words on some aspect of literary theory and criticism.

Note: Department permission required for enrolment.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

How do the material forms of a text affect it and what we can do with it? How do they influence our bibliographical, editorial, interpretive, and critical work on it? What is criticism and what prompts it? How have literary texts, along with their writers, readers, and critics, been regarded in classical, medieval, modern, and contemporary cultures? How have texts solicited, accepted, and contested such critical regard?

Textbooks

Those shared with co-requisite ENGL3961:

Norton Anthology of Poetry, ed. Ferguson et al.

Norton Anthology of Theory & Criticism, ed. Leitch et al.

Others:

Williams & Abbott, Introduction to Bibliographical and Textual Studies

Resource-book

European Studies

EUST2805

European Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

EUST2806

European Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

EUST2807

European Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

French Studies

FRNC1611

Junior French 1

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 1, Summer Late, Winter Main **Classes:** 3 hours per week (1 lecture, 2 tutorials) **Prerequisites:** Complete beginners, or less than 2 years of French, or less than 65% in Beginners HSC French **Prohibitions:** FRNC1101 **Assessment:** Continuous assessments: participation and weekly exercises online and face-to-face equivalent to 900 words (20%); 2 grammar tests

equivalent to 1350 words (30%); oral test equivalent to 1350 words (30%); written test equivalent to 900 words (20%). (Total assessment 4500 words.)

This unit is based both on communicative methodology and functional approach to language. Its main objective is to teach the learner how to communicate and use grammar appropriately in a range of situations, while learning about French culture. Speaking, writing, listening and reading comprehension skills, will be developed through communicative activities. In addition, online resources and grammar activities will complement face-to-face teaching. This unit provides the essential skills for negotiating in and understanding everyday situations. FRNC1612 is the standard progression.

Textbooks

Lavenne, Bérard, Breton, Canier, Tagliante (2001) STUDIO 100 Méthode de français. Niveau 1

Lavenne, Bérard, Breton, Canier, Tagliante (2001) STUDIO 100. Cahier d'exercices. Niveau 1

Course booklet to be purchased from the Copy Centre.

FRNC1612

Junior French 2

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 2 **Classes:** 3 hours per week (1 lecture, 2 tutorials) **Prerequisites:** FRNC1611 or FRNC1101 or equivalent **Prohibitions:** FRNC1102 **Assessment:** Continuous assessment: participation and weekly exercises online and face-to-face and written expression (equivalent to 2250 words, 50%); oral exam (20%); written exam (equivalent to 2250 words, 30%).

FRNC1612 Junior French 2 is the continuation of FRNC1611 Junior French 1. It aims at strengthening students' oral communication skills and at developing further their written skills (reading and writing). Having completed FRNC1612 Junior French 2, students in their second year will normally enter FRNC2611 Senior French 1.

Textbooks

Lavenne, Bérard, Breton, Canier, Tagliante (2001) STUDIO 100 Méthode de français. Niveau 1

Lavenne, Bérard, Breton, Canier, Tagliante (2001) STUDIO 100. Cahier d'exercices. Niveau 1

Course booklet to be purchased from the Copy Centre.

FRNC1621

Junior French 3

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent **Prohibitions:** FRNC1201 **Assessment:** Class participation and written exercises (20%) (800 words); 2 written grammar tests (40%) (2200 words); comprehension test (20%) (1000 words); oral test (20%). (Total assessment 4000 words equivalent.)

This unit is designed for students who have studied some French but have not taken the Higher School Certificate examinations, or have less than 80% in French Continuers or Extension unit, or more than 65% in Beginners. It is based on a communicative approach and provides a systematic review of spoken and written French, building on students' previous experience of the language.

Textbooks

Capelle, G & Gidon, N. (1999) Reflet 1, Paris: Hachette

Course booklet to be purchased from the University Copy Centre.

FRNC1622

Junior French 4

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** FRNC1621 or FRNC1201 or equivalent **Prohibitions:** FRNC1202 **Assessment:** Class participation and written exercises (20%) (800 words); 2 written grammar tests (40%) (2200 words); comprehension test (20%) (1000 words); oral test (20%). (Total assessment 4000 words equivalent.)

This unit is the continuation of FRNC1621 Junior French 3. It continues to develop speaking, listening, writing and reading skills, while providing further insights into contemporary French culture. Having completed FRNC1622 Junior French 4, students in their second year will usually enter FRNC2611 Senior French 1.

Textbooks

Capelle, G & Gidon, N. (1999) Reflets 1, Paris: Hachette

Course booklet to be purchased from the University Copy Centre.

FRNC1631**Junior French 5**

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week **Prerequisites:** HSC French Continuers and Extension or more than 80% in Continuers French **Prohibitions:** FRNC1301 **Assessment:** Classwork (900 word equivalent); assignments (1400 word equivalent); tests (2200 word equivalent). (Total 4500 word assessment equivalent.)

This unit is designed for students who have completed HSC French Continuers and Extension or obtained more than 80% in Continuers. It consists of two segments (Practical Language and Reading) that together seek to develop speaking, writing, listening and reading skills, while providing an insight into contemporary French culture.

Textbooks

Forum 3, Hachette: Livre de l'élève
Forum 3, Hachette: Cahier d'exercices
Course booklets to be purchased from the Copy Centre.

FRNC1632**Junior French 6**

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week **Prerequisites:** FRNC1631 or FRNC1301 or equivalent **Prohibitions:** FRNC1302 **Assessment:** Classwork (900 word equivalent); assignments (1400 word equivalent); tests (2200 word equivalent). (Total assessment 4500 word equivalent.)

This unit is the continuation of the first semester unit FRNC1631. Like that unit, it consists of two segments (Practical Language and Reading) that together seek to develop speaking, writing, listening and reading skills, while providing an insight into contemporary French culture.

Textbooks

Forum 3, Hachette: Livre de l'élève
Forum 3, Hachette: Cahier d'exercices
Aucassin et Nicolette, Garnier Flammarion
La Comédie du Drame, Folio
Course booklets to be purchased from the Copy Centre.

FRNC1801**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC1802**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC2611**Senior French 1**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** FRNC1622, FRNC1612, FRNC1202, FRNC1102 or equivalent **Prohibitions:** FRNC2103 **Assessment:** Classwork 20% (equivalent to 800 words); reading and writing tests 80% (equivalent to 3200 words).

This unit is based on a communicative approach and concentrates on interactive exercises and activities to consolidate speaking, listening, writing and reading skills, reinforce understanding grammar, extend vocabulary and improve confidence in communication. This unit is normally taken by specialist students in conjunction with FRNC2614 French Reading 1.

Textbooks

Connexions 2, Didier
Collins-Robert French Dictionaries

FRNC2612**Senior French 2**

Credit points: 6 **Teacher/Coordinator:** Dr Peter Cowley **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** FRNC2611, FRNC2103 or equivalent **Prohibitions:** FRNC2104 **Assessment:** Classwork 15% (equivalent to 600 words); written tests 65% (equivalent to 2600 words); oral tests 20% (equivalent to 800 words).

This unit is based on a communicative approach and concentrates on interactive exercises and activities to develop skill in complex sentence formation and communicative functions, extend vocabulary, learn about aspects of French culture and acquire skills necessary for oral class presentations and essay writing in French. This unit is normally taken by specialist students in conjunction with FRNC2615 French Reading 2. Having completed FRNC2612 Senior French 2, students in their third year will enter FRNC2621 Senior French 3.

Textbooks

Connexions 2, Didier
Collins-Robert French Dictionaries

FRNC2614**French Reading 1: Text and Society**

Credit points: 6 **Teacher/Coordinator:** Dr Liz Rezniewski **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** FRNC1612, FRNC1622, FRNC1102, FRNC1202 or equivalent **Prohibitions:** FRNC2621, FRNC3631, FRNC2501, FRNC3621, FRNC3622 **Assessment:** 3 written assignments or essays, approximately 1000 words each in French or the equivalent English.

Note: This unit is required for students intending to major or take options in their third year

This unit provides a socio-historical and cultural framework for students' studies within the department and develops reading, analytical and critical skills through the close study of a variety of contemporary, authentic texts. The segment presents an overview of the social transformations France has undergone in the twentieth century and the political challenges it confronts as it attempts to redefine its role in the world and in Europe.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC2615**French Reading 2: Literature and Film**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** FRNC2614, FRNC2501 or equivalent **Prohibitions:** FRNC2502, FRNC2622, FRNC3631, FRNC3621, FRNC3622 **Assessment:** 3 written exercises (1500 words each); practical class-based activity (1500 word equivalent). (Total 6000 word equivalent.)

This unit continues the study of French national and cultural identity through the centuries, the development of reading, analytical and critical skills, and the practice of oral and written French. It places greater emphasis on literary texts, including study of narrative fiction and either a play or a film. It is designed for students in the second year of the beginner or intermediate streams, to be taken by specialist students in conjunction with FRNC2612.

Textbooks

Aucassin et Nicolette, Garnier-Flammarion
Jean Tardieu, la Comédie du drame, Folio
Course booklet to be purchased from the University Copy Centre.

FRNC2621**Senior French 3**

Credit points: 6 **Session:** Semester 1 **Classes:** 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** FRNC2612, FRNC2104 or equivalent **Prohibitions:** FRNC3105 **Assessment:** Classwork, 2 oral tests and 2 essays (equivalent to 4500 words).

This unit follows on from FRNC2612 Senior French 2. It seeks to develop speaking, writing, listening and reading skills while providing an insight into contemporary French culture. The unit uses communicative and cognitive approaches to language learning. Students' active participation through team work, role playing and other interactive techniques is an essential aspect of all classes. This unit is normally taken by specialist students in conjunction with one of the options.

Textbooks

Forum 3, Hachette: Livre de l'élève
Forum 3, Hachette: Cahier d'exercices
Course booklet to be purchased from University Copy Centre.

FRNC2622**Senior French 4**

Credit points: 6 **Session:** Semester 2 **Classes:** 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** FRNC2621, FRNC3105 or equivalent **Prohibitions:** FRNC3106 **Assessment:** Classwork, 2 oral tests and presentation, 2 essays (equivalent to 4500 words).

This unit is a continuation of FRNC2621. It provides further insights into contemporary French culture and will lead to simple discussions on French cultural issues and current affairs.

Textbooks

Forum 3, Hachette: Livre de l'élève
Forum 3, Hachette: Cahier d'exercices
Course booklet to be purchased from University Copy Centre.

FRNC2651**Introduction à la Linguistique**

Credit points: 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent **Prohibitions:** FRNC2602 **Assessment:** Classwork, 2 small assignments (500 words each), 1 final text analysis and interpretation (4000 words).

This unit is a general introduction to linguistics and in particular functional linguistics. It explores language as a system of choices for making meaning in various contexts and aims at providing students with an understanding of what we do when we use language, and grammar, in particular.

Textbooks

Caffarel, A. 2006. A Systemic Functional Grammar of French: From Grammar to Discourse. London: Continuum
Duplicated material to be purchased from the University Copy Centre.

FRNC2666**Research Methods in French Studies**

Credit points: 6 **Teacher/Coordinator:** Prof Margaret Sankey **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit in FRNC1632 or FRNC2615 or FRNC1302 or FRNC2502 **Assessment:** 15 minute class presentation in French (equivalent to 2000 words in English); essay in French 2500 words. (Total assessment equivalent to 4000 words in English.)

This unit is designed as an 'Advanced' unit for students enrolled in the BA (Advanced) degree program. This unit is a prerequisite for admission to honours but may also be taken by students with a credit average as an additional unit. It introduces students to research methodologies and practices in various aspects of French Studies and provides them more generally with the basic tools for carrying out research in the humanities and social sciences.

FRNC2681**French Narrative Cinema**

Credit points: 6 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** FRNC1632, FRNC1302, FRNC2615 or FRNC2502 **Prohibitions:** FRNC2802 **Assessment:** All assessment is in French. Oral presentation (2000 words equivalent), classwork (1000 words equivalent), written assignments (3000 words equivalent). (Total assessment equivalent to 6000 words.)

This unit will explore the ways in which French cinema and society have interacted since WWII. It will examine how French society has been represented in fiction films and how major socio-political events have shaped French cinema. We will explore some basic concepts in French film theory and analytical methods derived from them. Film screenings are an integral part of the unit, and students must arrange their timetable so that they can watch each film at least once.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC2682**The Legend of the Holy Grail**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** FRNC1302, FRNC2502, FRNC1632, FRNC2615 or equivalent **Prohibitions:** FRNC2901 **Assessment:** 20 minute class presentation in French, 2500 word essay in French.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The Holy Grail is one of the most enduring symbols to have emerged from medieval French tradition. This unit will trace the development of the legend from its earliest expression in French literature through to the present day, via various media: the written text (medieval and modern) and the visual arts (illuminated manuscripts and cinema).

Textbooks

Chrétien de Troyes: Le Conte du Graal (Livre de Poche Lettres Gothiques)
La Queste del Saint Graal (Classiques Français du moyen âge)
Michel Tournier: Gaspard, Melchior et Balthazar (Folio)
Eric Rohmer: Perceval le Gallois (film)

FRNC2691**Revolution and Social Thought**

Credit points: 6 **Teacher/Coordinator:** Dr Liz Rechniewski, Dr Bronwyn Winter **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent **Prohibitions:** FRNC2701 **Assessment:** 5-10 minute class presentation in French equivalent to 1500 words in English; 2 essays in French of 1000 words each (equivalent to 2200 words each in English).

Note: FRNC2691 is primarily designed for students from the second year advanced and third year beginner/intermediate streams.

This unit examines the development of theories about society in the context of the social and political changes that took place in France from the 18th century onwards and in the aftermath of the Revolution. In particular, it traces the confrontations during the 19th and 20th centuries between pro- and anti-republican camps, social classes, pro- and anti-colonial forces and pro- and anti- woman's rights arguments.

Textbooks

L.Jaume (ed), Les Déclarations des droits de l'homme, Flammarion, 1989
A dossier of texts to be purchased from the University Copy Centre.

FRNC2803**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC2804**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC2805**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC2806**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC2807**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC2808**French Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC3621**Senior French 5**

Credit points: 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1 **Classes:** 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** FRNC1632, FRNC1302 or equivalent **Prohibitions:** FRNC2303 **Assessment:** Written assignment in French (equivalent to 2000 words in English); written class test in French (equivalent to 1500 words in English); oral class test in French (equivalent to 1000 words in English).

This unit will provide a review of formal grammar, concentrating on complex sentences, paragraph and text structure, as well as placing emphasis on oral and written receptive and active communicative skills through functionally-oriented language activities. A range of authentic and semi-authentic material will be used, drawn from written and audiovisual media and occasional literary sources, covering topics of contemporary interest and providing vocabulary development. This unit of study is normally taken by specialist students in combination with one of the options.

Textbooks

J. Ollivier. Grammaire Française, 3rd edition

Duplicated material to be purchased from the University Copy Centre.

FRNC3622**Senior French 6**

Credit points: 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 2 **Classes:** 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** FRNC3621, FRNC2303 or equivalent. **Prohibitions:** FRNC2304 **Assessment:** Written assignment in French (equivalent to 2000 words in English); written class test in French (equivalent to 1500 words in English); oral class test in French (equivalent to 1000 words in English).

This unit is a continuation of FRNC3621. It will normally be taken by specialist students in conjunction with one of the specialist options. Having completed FRNC3622 Senior French 6, students in their third year will enter FRNC3631 Senior French 7.

Textbooks

J. Ollivier, Grammaire Française, 3rd edition

FRNC3631**Senior French 7**

Credit points: 6 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** FRNC3622, FRNC2304 or equivalent **Prohibitions:** FRNC3305 **Assessment:** Written assignments (equivalent to 2000 words); oral presentations in French (equivalent to 2000 words); classwork (equivalent to 500 words).

In this unit students will develop further their oral and written skills. Emphasis is placed on improving students' fluency, spontaneity and accuracy in oral French through debates and discussion of contemporary issues. Reading and writing skills are developed through specific exercises, such as text summaries and syntheses, as well as grammar exercises.

Textbooks

Course booklet to be purchased from University Copy Centre.

FRNC3672**Francophone Studies 2**

Credit points: 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent **Assessment:** Class presentation in French (equivalent to 2000 words in English), essay in French (equivalent to 4000 words in English).

This unit will present 2 classic Caribbean 'rewritings', one Maryse Condé's Guadeloupean version of Emily Brontë's fiction classic *Wuthering Heights*, the other Martiniquan writer Aimé Césaire's theatrical rendering of the true story of Christophe, hero of the Haitian struggle for independence at the turn of the nineteenth century, who then proclaimed himself king. Through the study of these two works by two of the French Antilles' best known authors, students will gain some insight into the history of contemporary issues faced by the Antilles and Haiti, as well as into some of the premises of so-called "postcolonial theory". Questions of literary and theatrical "style" within a Francophone "colonial" or "postcolonial" context, as well as the

particular situation of women and the construction of créolisation, métissage and africanité within these contexts, will also be explored.

Textbooks

Condé, M. *La migration des cœurs*

Césaire, A. *La Tragédie du roi Christophe*

FRNC3688**Franco-Australian Connections**

Credit points: 6 **Teacher/Coordinator:** Prof Margaret Sankey **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 **Assessment:** 15 minute class presentation in French, 2500 word essay in French.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The French have had connections (historical, cultural, social and political) with Australia since the earliest days of European settlement. This unit will explore some of the texts that these connections have generated, from the writings of the French explorers of the late eighteenth and early nineteenth centuries, to French novels about Australia and contemporary French perceptions.

Textbooks

Catherine Rey, *Ce que racontait Jones*, Phébus

Course booklet to be purchased from the University Copy Centre.

FRNC3801**French In-Country Study**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

Gender Studies

GCST2602**Suffragettes to Cyborgs**

Credit points: 6 **Teacher/Coordinator:** Dr Fiona Probyn-Rapsey **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2002 **Assessment:** one 2000 word essay and one 2500 word essay

In this unit of study, recent debates within feminist theory will be introduced. By the end of the unit of study, students will have a clear grounding in the fundamental concepts within feminist social, political and cultural theory. The course is divided into three blocks. First we explore debates about equality and difference, between women and men, and between women themselves in relation to class, race and ethnicity. Second, debates about power and discourse are introduced with a particular focus on how these concepts are conceived within feminist, postmodernist and poststructuralist theory. Finally, in a block on sex, gender and embodiment, we look at the distinction between sex and gender and at recent feminist theories of embodiment which question the sex/gender opposition.

GCST2604**Sex, Violence and Transgression**

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** one 1 hour lecture, one 1.5 hour tutorial and half an hour of online work/learning per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2004 **Assessment:** one 2000 word case study, one 2000 word take-home exam, online participation

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Violence is one of the most prevalent themes in popular culture and public discourse today. It shapes our lives in all sorts of ways, both real and imagined. Incorporating concepts and theoretical tools from gender and cultural studies, this course will examine the construction and representation of violence in relation to sexuality, transgression, difference and power.

GCST2609**Cultures of Masculinities**

Credit points: 6 **Teacher/Coordinator:** Dr Michael Moller **Session:** Semester 1, Summer Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week

Prerequisites: 18 Junior credit points **Prohibitions:** WMST2009 **Assessment:** one 1500 word essay and one 3000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

What do men want? From a traditional focus on femininity in gender studies, it is increasingly clear that masculinity has undergone tremendous changes in the last several decades. From a perspective of gender and cultural studies, this unit examines the economic, social and cultural contexts in which masculinity is lived. We will consider different case studies focused on the changing representation of men in contemporary culture. These will include aspects of style and consumption, roles within workplaces, and in domestic practices.

GCST2610

Intimacy, Love and Friendship

Credit points: 6 **Teacher/Coordinator:** Dr Linnell Secomb **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2010 **Assessment:** one 500 word tutorial paper, one 1500 word essay and one 2000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines the representation and practices of intimate relations focusing especially on the intersection between intimacy and the constructions of gender. Divided into three sections, the unit will examine theories of love and friendship, contemporary cultural representations of love, desire and friendship (especially in film and literature), and the ethics and politics of erotics. It will question the division between erotic love and Platonic love, examine the new technologies of erotics, and discuss the implications for gender and sexuality.

GCST2804

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GCST2805

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GCST2806

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GCST2810

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GCST2811

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GCST3601

Gender, Race and Australian Identities

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points, including 6 credit points in GCST **Prohibitions:** WMST3001 **Assessment:** one 2500 word research journal and one 2500 word research essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In this unit we explore the interconnections between gender and race in Australian culture and history. We focus on particular case studies, some historical, some contemporary: the so-called "White Australia policy"; women and the Hindmarsh Island affair; Pauline Hanson and One Nation; sex tourism; the "stolen generations"; citizenship, nationalism and multiculturalism. Throughout the course, the history and present of Australian feminism and its relations with questions of

race and ethnicity are foregrounded. A major aim of the course is to introduce students to recent feminist postcolonial theorists.

GCST3603

Consumer Cultures

Credit points: 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 2, Winter Main **Classes:** three hours per week **Prerequisites:** 18 Junior credit points, including 6 credit points in GCST **Prohibitions:** WMST3003 **Assessment:** attendance and participation, one 3000 word essay, one 1500 word in-class test

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

From the theoretical basis of feminist cultural studies, this unit examines the ways in which identities are increasingly formed through consumption. It looks both at critiques of consumer societies and at more optimistic theories about the different forms of life that are promoted by consumer culture, including the forms of identity and belonging they engender. We will consider elements of both material culture (e.g. possessions) and media culture.

GCST3604

Cultural Theory

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 2 **Classes:** one 1 hour lecture, one 1.5 hour tutorial and 30 minutes of online learning per week **Prerequisites:** GCST2606, GCST2608, GCST2611, GCST2612, or GCST3603 **Assessment:** four 500 word responses to readings (15% each); choice of exam or 2000 word research essay (25%); participation in class and online

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Cultural Studies was widely discussed as one of the "New Humanities" in the 1990s, but a long history of debates about and theories of culture precede the discipline, and the processes of deciding what are the key texts and concepts of Cultural Studies is ongoing. This unit overviews the most frequently most frequently referenced critical and theoretical texts of the Cultural Studies "canon". Students will also consider in detail the place of Cultural Studies in the humanities and debates over its institutionalisation.

Germanic Studies

GRMN1111

Junior German 1

Credit points: 6 **Teacher/Coordinator:** Dr Udo Borgert **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** HSC German Extension, German Continuers, German Beginners 70% or above or equivalent **Assessment:** Classwork (tests, assignments, class presentations, participation), 2 hour exam.

Note: Department permission required for enrolment .

Practical language classes based on a communicative approach that aims to develop the following language skills: speaking and understanding basic conversational German, writing German of an everyday kind and reading simple German texts which will provide an insight into aspects of contemporary life in the German-speaking countries.

Textbooks

Funk, Kuhn, Demme, studio d Al. Deutsch als Fremdsprache. Kurs-und Übungsbuch (Cornelsen)

GRMN1122

Junior German 2

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** GRMN1111 **Assessment:** Classwork (tests, assignments, class presentations, participation), 2 hour exam.

Practical language classes based on a communicative approach. These classes will develop and extend the language skills acquired in Semester 1.

Textbooks

Funk, Kuhn, Demme, studio d Al. Deutsch als Fremdsprache. Kurs-und Übungsbuch (Cornelsen)

GRMN1211**Junior German 3**

Credit points: 6 **Teacher/Coordinator:** Dr Udo Borgert **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HSC German Beginners 70% or above or German Continuers below 70% or equivalent **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Text study class: 1 hour per week. This part of the course is designed to develop students' reading and comprehension skills; it also provides an introduction to the skills of literary analysis.

Textbooks

Aufderstraße et al, Delfin. Lehrbuch. Einbändige Ausgabe (Hueber)
Aufderstraße et al, Delfin. Arbeitsbuch. Einbändige Ausgabe (Hueber)
Teichert et al, Allerlei zum Lesen, 2nd edition (D.C. Heath and Company)

GRMN1222**Junior German 4**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** GRMN1211 **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Text study class: 1 hour per week. This part of the course is designed to further develop students' reading and comprehension skills; it also provides an introduction to the skills of literary analysis.

Textbooks

Aufderstraße et al, Delfin. Lehrbuch. Einbändige Ausgabe (Hueber)
Aufderstraße et al, Delfin. Arbeitsbuch. Einbändige Ausgabe (Hueber)
Teichert et al, Allerlei zum Lesen, 2nd edition (D.C. Heath and Company)

GRMN1311**Junior German 5**

Credit points: 6 **Teacher/Coordinator:** Dr Udo Borgert **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HSC German Extension or German Continuers 70% or above or equivalent **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Literature tutorial: 1 hour per week. Discussion of a selection of literary texts and a film to develop students' appreciation of these genres and introduce them to the skills of literary and film analysis.

Textbooks

Perlmann-Balme et al, em neu, Brückenkurs (Hueber)
Orth-Chambah et al, em neu, Brückenkurs Arbeitsbuch (Hueber)
Hering et al, em, Übungsgrammatik (Hueber)
Dürrenmatt, Der Besuch der alten Dame (Diogenes detebe 23045)
Film Study: Das schreckliche Mädchen

GRMN1322**Junior German 6**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** GRMN1311 **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Literature tutorial: 1 hour per week. Discussion of a variety of literary texts and genres to develop students' appreciation of literature and introduce them to the skills of literary analysis.

Textbooks

Perlmann-Balme et al, em neu, Hauptkurs (Hueber)
Perlmann-Balme et al, em neu, Hauptkurs Arbeitsbuch (Hueber)

Hering et al, em, Übungsgrammatik (Hueber)
German Poetry Course Pack (UPS)
Hauptmann, Bahnwärter Thiel (Reclam 6617)

GRMN2611**Senior German 1**

Credit points: 6 **Teacher/Coordinator:** Dr Ken Moulden **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** GRMN1122 **Prohibitions:** GRMN2211, GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend the basic German knowledge gained in Junior German 1 and Junior German 2. Classes will practise both written, oral/aural and comprehension skills.

Textbooks

Aufderstraße et al, Themen aktuell 2. Kursbuch (Hueber)
Aufderstraße et al, Themen aktuell 2. Workbook (Hueber)

GRMN2612**Senior German 2**

Credit points: 6 **Teacher/Coordinator:** Dr Andreas Jäger **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** GRMN2611 or GRMN2211 **Prohibitions:** GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, class work (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend the basic German knowledge gained in Senior German 1. Classes will practise both written, oral/aural and comprehension skills.

Textbooks

Aufderstraße et al, Themen aktuell 2. Kursbuch (Hueber)
Aufderstraße et al, Themen aktuell 2. Workbook (Hueber)

GRMN2613**Senior German 3**

Credit points: 6 **Teacher/Coordinator:** Dr Ken Moulden **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** GRMN1222 or GRMN2222 or GRMN2612 **Prohibitions:** GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed. At the completion of this unit students will have reached the equivalent of the 'Zertifikat Deutsch'.

Textbooks

Aufderstraße et al, Themen neu Zertifikatsband. Kursbuch (Hueber)
Aufderstraße et al, Themen neu Zertifikatsband. Arbeitsbuch (Hueber)

GRMN2614**Senior German 4**

Credit points: 6 **Teacher/Coordinator:** Dr Andreas Jäger **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** GRMN2613 or GRMN2311 **Prohibitions:** GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

Textbooks

Aufderstraße et al, Themen neu Zertifikatsband. Kursbuch (Hueber)
Aufderstraße et al, Themen neu Zertifikatsband. Arbeitsbuch (Hueber)

GRMN2615**Senior German 5**

Credit points: 6 **Teacher/Coordinator:** Dr Andreas Jäger **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** GRMN2322 or GRMN2614 **Prohibitions:** GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

Textbooks

Perlmann-Balme et al, em neu, Hauptkurs (Hueber)
Perlmann-Balme et al, em neu, Hauptkurs Arbeitsbuch (Hueber)
Hering et al, em, Übungsgrammatik (Hueber)

GRMN2616**Senior German 6**

Credit points: 6 **Teacher/Coordinator:** Dr Ken Moulden **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** GRMN1322 or GRMN2615 **Prohibitions:** GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed. At the completion of this unit students will have reached the equivalent of the 'Zentrale Mittelstufenprüfung'.

Textbooks

Perlmann-Balme et al, em, Abschlusskurs (Hueber)
Orth-Chambah et al, em Abschlusskurs, Arbeitsbuch (Hueber)
Hering et al, em Übungsgrammatik (Hueber)

GRMN2617**Senior German 7**

Credit points: 6 **Teacher/Coordinator:** Dr Andreas Jäger **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** GRMN2331 or GRMN2616 **Prohibitions:** GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

Textbooks

Perlmann-Balme et al, em, Abschlusskurs (Hueber)
Orth-Chambah et al, em Abschlusskurs, Arbeitsbuch (Hueber)
Hering et al, em Übungsgrammatik (Hueber)

GRMN2618**Senior German 8**

Credit points: 6 **Teacher/Coordinator:** Dr Ken Moulden **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** GRMN2342 or GRMN2617 **Prohibitions:** GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations).

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed. At the completion of this unit students will have reached the equivalent of the 'Zentrale Oberstufenprüfung'.

Textbooks

Gliencke, Katthagen, TestDaf. Kurs zur Prüfungsvorbereitung (Hueber)

GRMN2631**Reading Comprehension and Text Study**

Credit points: 6 **Teacher/Coordinator:** Dr Andreas Jäger **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** (GRMN1111 and GRMN1122)

or (GRMN1211 and GRMN1222) **Prohibitions:** GRMN1311, GRMN1322, GRMN2342, GRMN2616, GRMN2530, GRMN2351, GRMN2617, GRMN2362, GRMN2618 **Assessment:** 2000 word essay, three class tests (3 x 1000 words), 1 hour exam.

Particularly suitable for students who have completed Junior German 1 and 2.. The emphasis of the course will be on improving students' reading skills, as a necessary prerequisite to literary analysis and interpretation.

Textbooks

Teichelt et al, Allelei zum Lesen, 2nd edition (D.C. Heath and Company)

GRMN2632**Early 20th Century German Culture**

Credit points: 6 **Teacher/Coordinator:** Dr Udo Borgert **Session:** Semester 1 **Classes:** 2 seminar hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2450 **Assessment:** 3500 word essay, written tutorial paper (1500 words), class presentation (1000 words).

This unit will provide students with an in-depth study of the major writers of German literature from the beginning of the 20th century through to about the end of World War II thereby giving students an appreciation of the variety of themes and narrative modes of that period. During this time, writers were confronted with massive cultural, social and political changes and we will examine how they dealt with these in their works.

Textbooks

Mann, Tonio Kröger. Mario und der Zauberer (Fischer Tb. 1381)
Lyrik des Expressionismus: Departmental Selection (UPS)
Kafka, Das Urteil und andere Erzählungen (Fischer Tb. 19)
Brecht, Mutter Courage und ihre Kinder (es 49)

GRMN2634**The Fantastic in German Literature**

Credit points: 6 **Teacher/Coordinator:** Dr Birte Giesler **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Assessment:** 3000 word essay, tutorial paper (2000 words), class presentation (1000 words).

This unit considers the fantastic as an essential aspect of literature. It will explore literary works in German of differing epochs and genres dealing with forms and subjects of the magic, uncanny, or supernatural, including aspects of science fiction. Several functions of the fantastic in literature - such as escapism, dealing with the rationally unexplainable, as well as depicting futuristic worlds and going through potential problematic situations - will be investigated.

Textbooks

Gebrüder Grimm, Blaubart (copy provided by the department)
Döblin: Ritter Blaubart. In: A. D.: Die Ermordung einer Butterblume und andere Erzählungen (dvt 13199)
Frisch: Blaubart. (Suhrkamp st 2194)
Loher: Blaubart - Hoffnung der Frauen. In Manhattan-Medea. Blaubart - Hoffnung der Frauen. (Verlag der Autoren)

GRMN2636**Later 20th Century German Culture**

Credit points: 6 **Teacher/Coordinator:** Dr Ken Moulden **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2420, GRMN2451 **Assessment:** 3500 word essay, written tutorial paper (1500 words), class presentation (1000 words).

This unit will provide students with a broad survey of German culture from the end of World War II to the end of the 20th century through the study of representative major literary texts and films.

Textbooks

Survey of later 20th century poetry: Departmental selection (UPS)
Weiss, Die Verfolgung und Ermordung Jean Paul Marats dargestellt durch die Schauspielgruppe des Hospizes zu Charenton unter Anleitung des Herrn de Sade (es 68)
Frisch, Homo faber (St 354)
Verhoeven, Das schreckliche Mädchen (film)
Jopp, Vergiss Amerika (film)

GRMN2637**Business German**

Credit points: 6 **Teacher/Coordinator:** Dr Andreas Jäger **Session:** Semester 2 **Classes:** Two 1 hour lectures and a 1 hour tutorial per week **Prerequisites:** GRMN1222, GRMN1322, GRMN2222 or GRMN2612 **Assessment:** Classwork (tests, assignments, presentations, participation), 2 hour exam.

This unit develops and practices the language skills, both oral and written, necessary for working in a German business environment. It will deal with issues ranging from everyday communication within a business context, to in-depth analyses of specific economic topics.

Textbooks

Becker, Braunert, Eisfeld, Dialog Beruf 2. (Hueber)
Becker, Braunert, Eisfeld, Dialog Beruf 2. Arbeitsbuch (Hueber)

GRMN2638**Gender & Sexuality in German Literature**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2950 **Assessment:** 3500 word essay, tutorial paper (1500 words), class presentation (1000 words).

This unit examines the works of some of the most important German and Austrian authors of the 'Jahrhundertwende' with regard to discourses on gender and sexuality at the turn of the century.

Textbooks

Wedekind, Frühlings Erwachen (Reclam UB 7951)
Hauptmann, Und Pippa tanzt (Reclam UB 8322)
Schnitzler, Fräulein Else (Fischer Tb. 9102)

GRMN2681**Goethe's 'Faust'**

Credit points: 6 **Teacher/Coordinator:** Dr Ken Moulden **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2910, GRMN2912 **Assessment:** 3500 word essay, written tutorial paper (1500 words), class presentation (1000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This special honours entry unit undertakes a detailed study of the first part of Goethe's 'Faust' drama, a seminal work in the German literary canon. Some scenes from the second part as well as excerpts from works treating the motif before and after Goethe will also be examined.

Textbooks

Goethe, Faust. Der Tragödie erster Teil (Reclam UB 1)
Gaier, Erläuterungen und Dokumente zu: Johann Wolfgang Goethe: Faust. Der Tragödie Erster Teil (Reclam UB 16021)

GRMN2683**German Literature and Culture**

Credit points: 6 **Teacher/Coordinator:** Dr Birte Giesler **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN1133 **Assessment:** 3000 word essay, tutorial paper (2000 words), class presentation (1000 words).

(This is a special honours entry unit.) What is the place of literature in life? Why do people write and read literature? This seminar will provide students with an overview of the history of German literature within its broader cultural context. It will look at different styles of writing and introduce different methodological ways of dealing with literary texts of various times. It will examine the role of literature within society and its importance for sociological and anthropological discourses.

Textbooks

Poems from Gryphius to Grünbein (provided by department)
Goethe: Iphigenie auf Tauris (dtv2670)
Keller: Kleider machen Leute (SBB 68)
Mann, Der Tod in Venedig. Novelle (Fischer TB 11266)
Bachmann: Undine geht. In: I.B.: Das dreissigste Jahr. Erzählungen (Serie Piper 4550)

GRMN2811**Germanic Studies Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GRMN2812**Germanic Studies Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GRMN2813**Germanic Studies Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GRMN2814**Germanic Studies Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GRMN2815**Germanic Studies Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Global Studies

GBST1001**Global Studies: Themes and Approaches**

Credit points: 6 **Teacher/Coordinator:** Dr Danielle Celermajor **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** one 3000 word essay and one 1500 word take home exam

Note: Available to Bachelor of Global Studies students only

This cross-disciplinary unit will develop students' understanding of recent themes in and approaches to Global Studies. It will introduce students to conceptual frameworks of 'the global' and identify the core perspectives used by different disciplines to analyse issues such as: the emergence of global economic, political, cultural and social processes and institutions; migration and population movements; national, international, and global identities; diasporas and diasporic cultures; colonialism, post-colonialism and self-determination movements; discourses and institutions of international law and human rights.

GBST2801**Global Studies Exchange 1**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GBST2802**Global Studies Exchange 2**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GBST2803**Global Studies Exchange 3**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GBST2804**Global Studies Exchange 4**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GBST2805**Global Studies Exchange 5**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GBST2806**Global Studies Exchange 6**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

GBST2807**Global Studies Exchange 7****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***GBST2808****Global Studies Exchange 8****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***Greek (Ancient)****GRKA1001****Greek 1.1****Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures, one 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** GRKA1101 **Assessment:** one 2 hour exam, classwork and weekly assignments

Greek 1.1 requires no previous knowledge of Greek. The aim of this unit is to provide students with a basic knowledge of Classical Greek. It caters for a wide variety of students, ranging from those who intend to subsequently to proceed with Greek, to those who wish to have a background to their studies in which a knowledge of Greek is valuable or indispensable - for example, Ancient History, Archaeology, Modern Greek and Philosophy.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)
 Abbott and Mansfield. A Primer of Greek Grammar (Duckworth)
 Liddell and Scott. Abridged Greek Lexicon (OUP)

GRKA1002**Greek 1.2****Credit points:** 6 **Session:** Semester 2 **Classes:** two 1 hour lectures, one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** GRKA1001 **Prohibitions:** GRKA1102 **Assessment:** one 2 hour exam, classwork and weekly assignments

Greek 1.2 is a continuation of Greek 1.1. Further study of Classical grammar will, on completion of the unit, enable a reading of straightforward Classical and New Testament Greek with the assistance of a lexicon. During the semester students also read an unabridged text of prose or tragedy.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)
 either
 Chariton's novel Chaireas and Kallirhoe (text to be supplied)
 or
 Scenes from Euripides ed. Kennedy
 Abbott and Mansfield. A Primer of Greek Grammar (Duckworth)
 Liddell and Scott.

GRKA2603**Greek 2.1****Credit points:** 6 **Teacher/Coordinator:** Dr Emma Gee **Session:** Semester 1 **Classes:** four 1 hour lectures per week **Prerequisites:** GRKA1002 or GRKA2302 and GRKA2312 or GRKA2612 **Prohibitions:** GRKA1101, GRKA1102, GRKA2003 **Assessment:** language and text work totalling 2000 words and one 2 hour exam

Greek 2.1 is an intermediary-level course in Classical Greek. It involves more advanced study of the language as well as the translation and detailed analysis of a number of important texts by Classical authors within their broader historical and cultural contexts.

GRKA2604**Greek 2.2****Credit points:** 6 **Teacher/Coordinator:** Dr Emma Gee **Session:** Semester 2 **Classes:** four 1 hour lectures per week **Prerequisites:** GRKA 2003 or GRKA2603 **Prohibitions:** GRKA1102, GRKA2004 **Assessment:** language and text work totalling 2000 words and one 2 hour exam

Greek 2.2 is an intermediary-level course in Classical Greek that builds on the work of Greek 2.1. It involves further study of the language as well as the translation and detailed analysis of a number of important texts by Classical authors within their broader historical and cultural contexts.

GRKA2605**Greek 2.3****Credit points:** 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 1 **Classes:** two 1 hour lectures per week **Prerequisites:** 12 credit points in Greek (GRKA) **Corequisites:** GRKA2603 or GRKA3607 **Prohibitions:** GRKA2901 **Assessment:** written assignments totalling 4000 words and one 2 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

Two Extension Topics. Extension Topics will be posted before the end of teaching in Semester 2 of the previous year. This unit is designed to broaden and deepen the study of Greek literature and language, placing a range of new texts within a set of wider contexts - historical, literary, intellectual and social. Various approaches are adopted - some are thematic, centred around major issues of Greek thought, social life or literary representation; in others the guiding thread is the close study of the development of a particular genre.

GRKA2606**Greek 2.4****Credit points:** 6 **Teacher/Coordinator:** Prof Peter Wilson **Session:** Semester 2 **Classes:** two 1 hour lectures per week **Prerequisites:** 12 senior credit points of GRKA **Corequisites:** GRKA2604 or GRKA3608 **Prohibitions:** GRKA2902 **Assessment:** written assignments totalling 4000 words and one 2 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

Two Extension Topics. Extension Topics will be posted before the end of teaching in Semester 2 of the previous year. This unit is designed to broaden and deepen the study of Greek literature and language, placing a range of new texts within a set of wider contexts - historical, literary, intellectual and social. Various approaches are adopted - some are thematic, centred around major issues of Greek thought, social life or literary representation; in others the guiding thread is the close study of the development of a particular genre.

GRKA2611**Accelerated Greek 2.1****Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures, one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation/ Classical Studies or Latin or Ancient History or Philosophy or Modern Greek, or by special permission. **Prohibitions:** GRKA1001, GRKA2301 **Assessment:** assignments and classwork totalling 2000 words and one 2 hour exam

This unit of study provides a basis for a reading knowledge of Classical Greek prose.

GRKA2612**Accelerated Greek 2.2****Credit points:** 6 **Session:** Semester 2 **Classes:** two 1 hour lectures, one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** GRKA2301 or GRKA2611 **Prohibitions:** GRKA1002, GRKA2302 **Assessment:** assignments and classwork totalling 1500 words, one 2 hour exam, one 1 hour exam

This unit of study provides a reading knowledge of Classical Greek prose.

GRKA2804**Greek (Ancient) Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***GRKA2805****Greek (Ancient) Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***GRKA3607****Greek 3.1****Credit points:** 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 1 **Classes:** three 1 hour lectures per week **Prerequisites:** GRKA2004 or GRKA2604 **Prohibitions:** GRKA3005 **Assessment:** assignments and test totalling 1000 words, one 1500 word essay, one 2 hour exam

This unit of study is designed for those at the advanced levels of Greek. It involves advanced language study, focussed on improving translation skills from Greek to English. Unseen translation and exercises of translation into Greek will be used to reinforce and develop expertise in advanced issues of Greek language comprehension and analysis, as well as an appreciation of style in a range of authors. It also involves the study of set-texts: a major (8 wks) and a minor (5 wks) text of Greek literature will be studied in detail. Lectures will focus on broad issues of interpretation as well as more detailed matters of style, language, text.

Textbooks

Smyth, H. and Messing, G., Greek Grammar (Cambridge, Mass., 1956); OR Goodwin, W., A Greek Grammar (London, new edn. 1894, often reprinted).

GRKA3608

Greek 3.2

Credit points: 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 2 **Classes:** three 1 hour lectures per week **Prerequisites:** GRKA3005 or GRKA3607 **Prohibitions:** GRKA3006 **Assessment:** assignments and test totalling 1000 words, one 1500 word essay, one 2 hour exam

This unit of study is designed for those at the advanced levels of Greek. It involves advanced language study, focussed on improving translation skills from Greek to English. Unseen translation and exercises of translation into Greek will be used to reinforce and develop expertise in advanced issues of Greek language comprehension and analysis, as well as an appreciation of style in a range of authors. It also involves the study of set-texts: a major (8 wks) and a minor (5 wks) text of Greek literature will be studied in detail. Lectures will focus on broad issues of interpretation as well as more detailed matters of style, language, text.

Textbooks

Smyth, H. and Messing, G., Greek Grammar (Cambridge, Mass., 1956); OR Goodwin, W., A Greek Grammar (London, new edn. 1894, often reprinted).

GRKA3609

Greek 3.3

Credit points: 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 1 **Classes:** two 1 hour lectures per week **Prerequisites:** 24 credit points of Senior Greek **Prohibitions:** GRKA3903 **Assessment:** written assignments totalling 4000 words, one 2 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Two 1-hour Extension Topics or one 2-hour Extension Topic. Extension Topics will be announced before the end of teaching in Semester 2 of the previous year.

GRKA3610

Greek 3.4

Credit points: 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 2 **Classes:** two 1 hour lectures per week **Prerequisites:** GRKA3903 or GRKA3609 **Prohibitions:** GRKA3904 **Assessment:** written assignments totalling 4000 words, one 2 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Two 1 hr Extension Topics or one 2 hr Extension Topic. Extension Topics will be announced before the end of teaching in Semester 2 of the previous year.

Hebrew (Classical)

HBRW1111

Hebrew Classical B1

Credit points: 6 **Teacher/Coordinator:** Dr Young, Dr Berrin **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** HBRW1311, HBRW2631 **Assessment:** 2 hour exam (50%), continuous assessment (40%), class participation (10%).

This unit, for those beginning the study of Hebrew, brings students from their first acquaintance with the Hebrew alphabet to an understanding of the Hebrew language. The unit is devoted to the study of the grammar and the principles of translation.

Textbooks

Contact the department.

HBRW1112

Hebrew Classical B2

Credit points: 6 **Teacher/Coordinator:** Dr Young, Dr Berrin **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HBRW1111 **Prohibitions:** HBRW1312, HBRW2632 **Assessment:** 2 hour exam (50%), continuous assessment (40%), class participation (10%).

This unit continues the study of grammar and classical Hebrew (Biblical) texts, as follows: grammar (2 hours per week), classical text (2 hours per week).

Textbooks

Contact the department.

Selections from the Hebrew Bible (T'nach) for reading.

HBRW2623

Hebrew Classical 3

Credit points: 6 **Teacher/Coordinator:** Dr Young, Dr Berrin **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW2115 **Assessment:** Two 2 hour exams (60%), continuous assessment and class preparation (20%), 1500 word essay (20%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The books of the Hebrew Bible are studied in the light of their setting and composition history. The course consists of: set classical texts (2 hours per week); and special background area study: Mishnaic Hebrew (2 hours per week).

Textbooks

Contact the department.

HBRW2624

Hebrew Classical 4

Credit points: 6 **Teacher/Coordinator:** Dr Young, Ms Davey, Dr Berrin **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW2116 **Assessment:** Two 2 hour exams (60%), continuous assessment and class preparation (20%), 1500 word essay (20%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The books of the Hebrew Bible are studied in the light of their setting and composition history. The course consists of: set classical texts (2 hours per week); and special background area study: Late Biblical and Dead Sea Scrolls Hebrew (2 hours per week).

HBRW2631

Hebrew Accelerated C1

Credit points: 6 **Teacher/Coordinator:** Dr Young, Dr Berrin **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** 18 Junior credit points including 12 credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies **Corequisites:** 6 senior credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies. **Prohibitions:** HBRW1111, HBRW1112, HBRW2401 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), continuous assessment (equivalent to 2000 words, 40%), class participation (10%).

An introduction to Hebrew language for those whose existing corequisite units of study require a basic language ability. It is taught concurrently with the existing Hebrew B-stream.

HBRW2632

Hebrew Accelerated C2

Credit points: 6 **Teacher/Coordinator:** Dr Young, Dr Berrin **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HBRW2401 or HBRW2631 **Prohibitions:** HBRW1112, HBRW2402 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), continuous assessment (equivalent to 2000 words, 40%), class participation (10%).

This unit brings students to a level necessary for the study of Hebrew at an advanced level. It forms a bridge between Hebrew Accelerated C1 and other senior Hebrew units.

HBRW2641**Aramaic 1**

Credit points: 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 1
Classes: 2 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW3901
Assessment: 2 hour exam (50%), 2500 word essay (30%) and continuous assessment and class participation (20%).

The course investigates the language, background and text history of the principal witnesses to Biblical Aramaic, the books of Daniel and Ezra.

HBRW2642**Aramaic 2**

Credit points: 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 2
Classes: 2 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW3902
Assessment: 2 hour exam (equivalent to 2000 words, 60%), weekly assignments, exercises and class participation (equivalent to 4000 words, 40%).

The unit introduces students to non-Biblical Aramaic dialects such as: Old Aramaic, Elephantine Papyri, Dead Sea Scrolls and Targumim.

HBRW2651**Syriac 1**

Credit points: 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 1
Classes: 2 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW2911
Assessment: 2 hour exam (equivalent to 2000 words, 60%), weekly assignments, exercises and class participation (equivalent to 4000 words, 40%).

For those beginning the study of Syriac this is a preparation for more advanced study of Syriac language and literature. It concentrates on the study of elementary Syriac grammar, prose composition and an introductory study of selections of texts from the Old and New Testament Peshitta.

Textbooks

Robinson, T.H., *Paradigms and Exercises in Syriac Grammar*, rev.edn. by L.H. Brockington, Oxford, OUP.

HBRW2652**Syriac 2**

Credit points: 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 2
Classes: 2 hours per week **Prerequisites:** HBRW2911 or HBRW2651
Prohibitions: HBRW2912 **Assessment:** 2 hour exam (equivalent to 2000 words, 60%), weekly assignments, exercises and class participation (equivalent to 4000 words, 40%).

This unit builds on the foundation of Syriac 1. It concentrates on the study of advanced Syriac prose composition and selections of texts from the Old and New Testament Peshitta.

HBRW2661**Akkadian Language 1**

Credit points: 6 **Teacher/Coordinator:** Dr Weeks **Session:** Semester 1
Classes: 2 hours per week **Prerequisites:** HBRW1111 and HBRW1112 or equivalent in these or another Semitic language **Prohibitions:** ANHS3923
Assessment: 2 hour exam (equivalent to 2000 words), class preparation and weekly exercises (equivalent to 4000 words).

This unit of study will introduce students to the Akkadian language and the reading of Cuneiform documents.

HBRW2662**Akkadian Language 2**

Credit points: 6 **Teacher/Coordinator:** Dr Weeks **Session:** Semester 2
Classes: 2 hours per week **Prerequisites:** ANHS3923 or HBRW2661
Prohibitions: ANHS3922 **Assessment:** 2 hour exam (equivalent to 2000 words), 2000 word essay, class preparation (equivalent to 2000 words).

This unit focuses on the reading and discussion of representative Assyrian texts.

HBRW3653**Syriac 3**

Credit points: 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 1
Classes: 2 hours per week **Prerequisites:** HBRW2912 or HBRW2652
Prohibitions: HBRW3911 **Assessment:** 2 hour exam (equivalent to 2000

words, 50%), 2500 word essay (30%), continuous assessment (equivalent to 1500 words, 20%).

This unit continues the study of Syriac texts begun in Syriac 1 and 2. This unit concentrates on the study of selections of advanced Syriac Peshitta, Patristic texts, etc.

HBRW3654**Syriac 4**

Credit points: 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 2
Classes: 2 hours per week **Prerequisites:** HBRW3911 or HBRW3653
Prohibitions: HBRW3912 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), 2500 word essay (30%), continuous assessment (equivalent to 1500 words, 20%).

This unit builds on the foundation of Syriac 3. This unit concentrates on the study of more advanced Syriac Patristic and Hagiographical texts, etc., as well as a brief survey of the history of Syriac literature.

Hebrew (Modern)

HBRW1011**Hebrew Modern B1**

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1
Classes: 4 hours per week **Assessment:** Mid-semester exam (30%), final exam (30%), class preparation (40%).

This unit provides an introduction to Modern Hebrew. It is intended for students who have little or no previous knowledge and practice of the language. The unit will foster the development of oral communication skills relating to everyday topics. It will include teaching the Hebrew alphabet and basic reading and writing skills as well as the introduction of basic vocabulary and language functions. It is imperative that all prospective students contact the coordinator to arrange for a placement test upon enrolment.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000) *Hebrew from Scratch, Part I* (new edition) Academon, Jerusalem
 Lauden, E., Weinbach, L. (1993) *Multi-Dictionary: Bilingual Learners' Dictionary*, AD, Tel Aviv

HBRW1102**Hebrew Modern B2**

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** HBRW1011 or equivalent knowledge as determined by the department **Prohibitions:** HBRW1302 **Assessment:** Mid-semester exam (30%), final exam (30%), class preparation (40%).

This unit is an extension of the work done in HBRW1011 (B1). It will further develop the language skills acquired in B1. This unit involves a range of learning styles that will assist you to further develop and consolidate your listening, speaking, reading and writing skills.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000), *Hebrew from Scratch, Part I* (new edition) Academon, Jerusalem
 Lauden, E., Weinbach, L. (1993), *Multi-Dictionary: Bilingual Learners' Dictionary*, AD, Tel Aviv

HBRW2603**Hebrew Modern 3**

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2103 **Assessment:** Mid-semester exam (30%), final exam (30%), continuous assessment and class preparation (40%).

This unit is an extension of the work done in HBRW1102. It consists of an intensive study of spoken Modern Hebrew with emphasis on communicative skills that will enable students to communicate in simple Hebrew for everyday situations. Simple literary texts and language components, which are orientated around relevant themes, are dealt with. A variety of different methods will be used to explain grammatical structures, morphology and syntax and to provide examples in their use.

Textbooks

Chayat, S., Israeli S., Kobliner H. (2000) *Hebrew from Scratch. Part I* (new edition) Academon. Jerusalem

Lauden E., Weinbach L. (1993) Multi Dictionary. Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2604

Hebrew Modern 4

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2104 **Assessment:** Mid-semester exam (30%), final exam (30%), continuous assessment and class preparation (40%).

This unit is an extension of the work done in HBRW2603. It uses a communicative approach to language learning. Students' active participation through teamwork, role-playing and other interactive techniques is an essential aspect of all classes. It is expected that by the end of this unit students will be able to take part in simple everyday Hebrew conversation.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000) Hebrew from Scratch, Part I (new edition) Academon, Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2605

Hebrew Modern 5

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2105 **Assessment:** Mid-semester exam (30%), final exam (30%), continuous assessment and class preparation (40%).

This unit picks up from HBRW2604. It covers language skills and knowledge of Level Beit. In addition to consolidating and further developing spoken communication and writing skills, this unit will introduce the student to a variety of Modern Hebrew texts such as poems, songs, short stories and newspaper articles as well as some Classical Hebrew texts.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2001) Hebrew from Scratch Part II, Academon, Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD Tel Aviv

HBRW2606

Hebrew Modern 6

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2106 **Assessment:** Mid-semester exam (30%), final exam (30%), continuous assessment and class preparation (30%), oral presentations (10%).

This unit is an extension of the work done in HBRW2605. By the end of the unit students will be able to converse confidently in everyday Hebrew. As well, this unit is designed to enable students who wish to continue learning Modern Hebrew to make the transition into HBRW2607 and HBRW2608.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2001) Hebrew from Scratch Part II, Academon, Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2607

Hebrew Modern 7

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** HBRW2106 or HBRW2606 or Modern Hebrew HSC or equivalent knowledge as determined by the department **Prohibitions:** HBRW1301 **Assessment:** Mid-semester exam (30%), final exam (30%), oral presentations (10%), continuous assessment and class preparation (30%).

This unit picks up from HBRW2606. Students will develop their speaking fluency while improving their grammar and usage. The ability to read a variety of Modern Hebrew texts, including newspaper articles, short stories, poems and other literary texts, which reflect socio-cultural issues from the 19th century to the present time, will be further developed. Special significance is attached to this unit. Upon its

completion students can be admitted to regular studies at the Hebrew University, Jerusalem.

Textbooks

Cohen, M. (1992) Hebrew, what a Language (Agada shel Safa), Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Liebrecht, S. (1997) Shlosa Sipurim, Gesher series, Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel-Aviv

HBRW2608

Hebrew Modern 8

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** HBRW1301 or HBRW2607 or equivalent knowledge as determined by the department **Prohibitions:** HBRW1302 **Assessment:** Mid-semester exam (30%), final exam (30%), oral presentations (10%), continuous assessment and class preparation (30%).

This unit is an extension of HBRW2607. Students will further improve their communicative skills while consolidating their grammatical knowledge. Special significance is attached to this unit. Upon its completion students can be admitted to regular studies at the Hebrew University, Jerusalem.

Textbooks

Cohen, M. (1992) Hebrew, what a Language (Agada shel Safa), Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Gedalia, A. ha'Ed ha'Acharon. Gesher series, Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

HBRW2609

Hebrew Modern 9

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2303 **Assessment:** Mid-semester exam (20%), final exam (25%), 750 word essay (20%), continuous assessment and class preparation (35%).

This unit picks up from HBRW2608. It is an intensive language-learning program covering Level Dalet. It is based both on communicative (speaking, listening) and writing (reading, writing) skills. Through using the Hebrew language in a range of contexts, students will further extend and develop their communicative skills. As well, they will be introduced to contemporary texts that reflect socio-cultural issues of Israeli society over the last two centuries.

Textbooks

Omlinsky, B., Weiss, Y. (1993) Ivrit be-Dalet Amot, Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Amir, E. Tarnegol Kaparot. Gesher series, Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

HBRW2610

Hebrew Modern 10

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2304 **Assessment:** Mid-semester exam (20%), final exam (25%), 750 word essay (20%), continuous assessment and class preparation (35%).

This unit is an extension of HBRW2609. It further develops, enhances and extends students' good knowledge of Modern Hebrew. It is based on communicative (speaking, listening) and writing (reading, writing) skills.

Textbooks

Omlinsky, B., Weiss, Y. (1993) Ivrit be-Dalet Amot, Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Yehoshua, A.B., Shlosa Yamim veYeled, Gesher series: Jerusalem
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel-Aviv

HBRW2611**Hebrew Modern 11**

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2305 **Assessment:** Mid-semester exam (20%), final exam (25%), 1000 word essay (20%), continuous assessment and class preparation (35%).

This unit is an extension of HBRW2610 and it covers Level Hey. Through using the Hebrew language in a range of contexts, students will have the opportunity to fine-tune their knowledge and usage of the language. As well, they will further extend and develop their understanding of the way in which various functions of the language come together. In addition, they will read and analyse contemporary literature and poetry, which reflect socio-cultural issues of Israeli society.

Textbooks

Barak, S., Simons, E. (1990) Kadima Hey. Academon, Jerusalem
 Baras, N., Delshad, E. (1994) HaPo'al le Mitkadmim. Academon, Jerusalem.
 Baras, N., Delshad, E. (2000) Tachbir le-Mitkadmim (Ramah Heh). Academon, Jerusalem
 Shahar, D. Al haHalomot (Concerning Dreams), Gesher series.
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. Ad, Tel Aviv

HBRW2612**Hebrew Modern 12**

Credit points: 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2306 **Assessment:** Mid-semester exam (20%), final exam (25%), 1000 word essay (20%), continuous assessment and class preparation (35%).

This unit is an extension of HBRW2611. It offers an opportunity for in-depth examination of the linguistic functions of Modern Hebrew as they are manifested in literature and poetry. Through using the Hebrew language in a range of contexts, students will further extend and develop their understanding of the way in which various patterns of the language come together. As well they will be introduced to contemporary texts, which reflect socio-cultural issues of Israeli society.

Textbooks

Barak, S., Simons, E. (1990) Kadima Hey. Academon, Jerusalem
 Baras, N., Delshad, E. (1994) HaPo'al le-Mitkadmim. Academon, Jerusalem
 Baras, N., Delshad, E. (2000) Tachbir le-Mitkadmim (Ramah Heh). Academon, Jerusalem
 Oz, A. Har haEitza haRa'a Gesher series
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. Ad, Tel Aviv

Heritage Studies

HRTG2601**Approaching Heritage Studies**

Credit points: 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 1
Classes: one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points **Prohibitions:** HRTG2001 **Assessment:** one 2000 word essay, one 2500 word project report

This unit of study examines the historical, theoretical and political issues associated with the interpretation of cultural heritage, historic sites and landscapes. Students are offered an overview of the heritage industry and Heritage Studies. This unit of study engages with policies, and associated professional practices such as conservation and preservation and their impacts on culture and community. Issues specific to Australia such as Indigenous land claims are examined in the context of international debates.

HRTG2602**The Museum and Cultural Heritage**

Credit points: 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 2
Classes: one 3 hour lecture per week **Prerequisites:** HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 **Prohibitions:** HSTY2022 **Assessment:** one 2000 word essay, one tutorial presentation and one 2000 word tutorial paper

The Museum and Cultural Heritage provides an historical, theoretical and political overview of the development of museums as they relate

to the collection and display of cultural heritage. This unit of study introduces key debates on the historical development of the museum as an idea and as an institution. The social and cultural roles of museums and relationships between the identification of cultural heritage, its interpretation and display will be examined.

HRTG2804**Heritage Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

HRTG2805**Heritage Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

HRTG2806**Heritage Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

HRTG2809**Heritage Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

HRTG2810**Heritage Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

HRTG3601**Heritage Museums and the Public Sphere**

Credit points: 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 1
Classes: one 2 hour seminar per week **Prerequisites:** HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 **Prohibitions:** HRTG3001 **Assessment:** one 3000 word essay, seminar presentation and one 3000 word seminar paper

This unit of study examines the relationship between heritage and the public. It considers the way in which the study of heritage sites and cultural material are used to construct public culture and public history. The birth of the modern museum as a public space, which houses the cultural heritage of communities and nations, will also be considered.

HRTG3602**Social History and Heritage Studies**

Credit points: 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 2
Classes: one 2 hour seminar per week **Prerequisites:** HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 **Prohibitions:** HRTG3002 **Assessment:** one 3000 word research project, seminar presentation and 3000 word seminar paper

This unit of study examines the relationship between heritage studies and social history. It will explore issues of social history as they are represented in heritage studies and practices. International and historical debates about the way in which social history is used in heritage studies to develop new interpretations of the past will also be considered.

Hindi-Urdu

HIUR1001**Hindi and Urdu Introductory 1**

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 5 hours per week **Assessment:** Classwork and exam.

HIUR1001 provides an introduction to the grammar and syntax of Hindi-Urdu as a spoken language. The unit will deal with basic elements of Hindi-Urdu grammar, phonetics and orthography; spoken Hindi-Urdu and readings of set text, translation from Hindi-Urdu into English and English into Hindi-Urdu.

Textbooks

R. Barz and Y. Yadav An Introduction to Hindi and Urdu (Munshiram Manoharlal, 1993)

HIUR1002

Hindi and Urdu Introductory 2

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 5 hours per week **Prerequisites:** HIUR1001 **Assessment:** Classwork and exam.

This unit is an extension of work done in HIUR1001. Students will achieve a reading and writing ability in basic Hindi-Urdu by the end of the unit.

HIUR2601

Hindi and Urdu Intermediate 1

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HIUR1002 or equivalent **Prohibitions:** HIUR2001 **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words) and 1 exam (equivalent to 1500 words).

This unit will consolidate oral, aural and written language skills. The unit consists of consolidation and practice of oral language skills in complex situations, advanced course in grammar and reading a selection of short stories and poems.

HIUR2602

Hindi and Urdu Intermediate 2

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HIUR2001 or HIUR2601 or equivalent **Prohibitions:** HIUR2002 **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words) and 1 exam (equivalent to 1500 words).

This unit is an extension of work done in HIUR 2001. It will provide further consolidation of oral, aural and written language skills.

HIUR3601

Hindi and Urdu Advanced 1

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HIUR2002 or HIUR2602 or equivalent **Prohibitions:** HIUR3001 **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words) and 1 exam (equivalent to 1500 words).

This unit will concentrate on advanced oral, aural and written language skills. Students will be expected to write short essays in Hindi-Urdu relevant to the reading component of the unit.

HIUR3602

Hindi and Urdu Advanced 2

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HIUR3001 or HIUR3601 or equivalent **Prohibitions:** HIUR3002 **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words) and 1 exam (equivalent to 1500 words).

This unit is an extension of work done in HIUR3601.

History

HSTY1022

Europe in the High Middle Ages

Credit points: 6 **Teacher/Coordinator:** Assoc Prof John Pryor **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** two 1000-word papers and one weekend take-home examination of 2000 words; 60% classwork and 40% exam

This Unit provides an introduction to selected fundamental aspects of European history in the High Middle Ages, including Western contacts with the Muslim and Byzantine worlds and the further worlds of Eurasia and Africa. At home the Unit focuses on the development of feudal society and feudal monarchies; the evolution of the Church and of heretical movements, the growth of the economy and development of urban society and a bourgeois ethic, changing attitudes towards wealth and the creation of it, technological innovation in agriculture, industry and transportation; intellectual life and the emergence of universities; the crisis of aristocracy in the fourteenth

century; and the impact of climatic change and the Black Death. Abroad it examines the expansion of Western Europe into Muslim Spain and Sicily, Byzantine Italy, and Slavic Eastern Europe; the expansion of intellectual horizons as a result, contacts with Muslims and Mongols, European discovery of China, India and North Africa; ending with the exploration of the Atlantic. Students have the opportunity to develop an understanding of how the European economy and society evolved during the High Middle Ages to the point that by ca. 1400 Western Europe was poised to begin its assault on the rest of the world. Tutorials examine primary source materials and students have the opportunity to develop understanding of the contexts in which they were created and the purposes for which they were created, as well as the skills necessary to comprehend them and to use them and to use them to support the writing of history.

HSTY1034

Early Modern Europe 1500-1750

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Eckstein, Dr Andrew Fitzmaurice **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** one 2 hour exam or equivalent, 2500 words written work; 60% classwork and 40% exam

HSTY 1034 listens to 'ordinary' people's stories to show the many ways that non-elites negotiated, subverted and challenged aristocratic authority. Themes include the development of courtly culture in great cities like Paris and Rome; rural cultures; witchcraft and magic; peasant revolt; the role of violence; gender; neighbourhood life and the rise of 'middle-class' manners. The unit foregrounds cinema as well as text, investigating the cultural underpinning of such films as Peter Webber's *Girl with a Pearl Earring*, and Claude Berri's masterpiece, *Jean de Florette*.

HSTY1044

Twentieth Century Politics and Culture

Credit points: 6 **Teacher/Coordinator:** Dr Cindy McCreery **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** HSTY1043 **Assessment:** 2500 words written work and one 2 hour exam; 60% classwork and 40% exam

This unit traces the history of public and private life through the examination of the political and social events which have shaped the twentieth century. In particular, the focus is on the daily lives of those who experienced these events. Using a variety of sources from oral history, first person accounts and literary works, as well as new historical interpretations, students will examine the ways in which ordinary people have attempted to respond to the changing world around them.

HSTY1045

Modern European History 1750-1914

Credit points: 6 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** various pieces of written work totalling 4500 words

This unit covers the dramatic changes in European life that marked the transition from pre-modern to modern societies. We will see that these changes emancipated many Europeans from legal and physical burdens while creating many new ones of their own. The catastrophes of the twentieth century have their roots in the period we examine, a period that culminated in the First World War and the spectacular explosion of the ideals of material and moral progress that had animated bourgeois elites. In particular, we discuss the transformations that took place in the key areas of human activity: politics and ideology; family and sexual life; work and technology; religious belief; experiences of colonialism; and social class.

HSTY1076

American History from Lincoln to Clinton

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Robertson **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** HSTY2035 **Assessment:** one 500 word tutorial paper, one 1750 word essay, one group tutorial presentation (equivalent to 250 words), and one 2 hour exam

This unit examines the United States in the years in which Americans felt their society, culture, politics, and individual and national identities, were taking new, 'modern' forms. It offers insights into a nation that is one of the principal forces shaping the world in which we live. We will explore topics such as the rise and fall of racial segregation, immigration, social reform movements, mass consumer culture, sexual revolution, and the changing stance of the United States in the world.

HSTY1088

Australian History: An Introduction

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Penny Russell **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 500 word document exercise, one 2000 word essay and one 2 hour exam

Between 1880 and 1940, Australia's transformation from disparate colonies to self-conscious nation was marked by battles over land, law and labour, waged on remote frontiers and in populous cities. But it was also formed out of unities of blood, race and loyalty. Traces of a contested history lie all around us: in the transformed environment, cultural heritage, museums and memorials, libraries and archives. This unit examines those sources to discover the ways past Australians imagined their identity, in crises and in everyday life.

Textbooks

Recommended reading:

Stuart Macintyre, *A Concise History of Australia* (Cambridge University Press, 1999)
Richard White, *Inventing Australia: Images and Identity 1688-1980* (Allen & Unwin, 1981)
Martyn Lyons & Penny Russell (eds), *Australia's History: Themes and Debates* (UNSW Press, 2005)

HSTY1801

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY1802

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2601

Religion & Society: Conversion & Culture

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Olson, Assoc Prof Ahmad Shboul, Dr Chris Hartney **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2001 **Assessment:** one 2250 word take-home exam, one 2250 word essay, tutorial participation

In 13th-century Karakorum, capital of the Mongol empire, a debate was held between Christians, Muslims and Buddhists. Starting from this, we will examine religious change as cultural change thematically and comparatively with reference to Medieval European Christianity, Islam and Chinese Buddhism. This unique unit is for religious, indifferent and anti-religious people. It involves discussion of processes of acculturation and the interplay between religious and other aspects of cultural 'conversion', including language and art.

HSTY2604

Popular Culture in Australia 1880-1930

Credit points: 6 **Teacher/Coordinator:** Mr Richard White **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History **Prohibitions:** HSTY2004 **Assessment:** one 3000 word essay and either one 1500 word tutorial paper or one 1.5 hour exam

Between 1880 and 1930, a modern culture emerged from a collection of disparate colonies and people. Focusing on everyday life and new forms of popular culture, this unit follows the threads of modernity, gender and nationalism through this formative half-century. Popular stereotypes of Australian men and women evolved from society's engagement with new notions of time and space, urban and rural culture, modernism high and low, changing sexual and family politics, and all the seductive attractions of modern life.

HSTY2619

Australia to 1888

Credit points: 6 **Teacher/Coordinator:** Dr Kirsten McKenzie **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2019 **Assessment:** one 3000 word essay and either one 1500 word tutorial paper or one 1.5 hour exam

This unit offers a critical understanding of the processes of colonisation in Australia, and of the national history that has been built on them. This unit considers the economic, social and cultural impact of colonisation on both the white settlers and the indigenous population. It probes the aspirations of early Australian colonists and through a focus on historic moments of struggle - over democracy, gold, labour - it considers conflict and the contested aims of colonisation within the emerging society.

HSTY2621

Greater China

Credit points: 6 **Teacher/Coordinator:** Dr John Wong **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2021 **Assessment:** one 2500 word essay and one 2000 word take-home exam

The 'Greater China' concept emerged as a result of China's opening itself in 1978, resulting in close co-operation among the Chinese living in the so-called four parts of China (the mainland China, Taiwan, Hong Kong, Macao) and abroad. The initiation of chartered flights directly across the Taiwan Strait in February 2005 was counterweighted by the USA-Japan Joint Strategic Statement so reminiscent of 'The Coming Conflict with China'. This unit analyses the past and probes the future of a Greater China.

HSTY2629

Sex and Scandal

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Penny Russell, Dr Frances Clarke **Session:** Semester 1, Summer Late **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of History, Ancient History, or Asian Studies **Prohibitions:** HSTY2029 **Assessment:** one 1500 word essay and one 3000 word research paper

What makes a scandal? This unit examines a number of sensational case studies from England, America and Australia, beginning with the outrage surrounding Marie-Antoinette and then weaving through the increasingly strait-laced nineteenth century, in which scandals abounded, destroying reputations, rulers and families. It is not behaviour itself, but the ever-changing interpretations of behaviour that gave rise to condemnation and scandalised indignation. Examining occasions when social rules have been flouted allows us to consider the ways in which such rules are themselves constituted, maintained and challenged.

HSTY2650

European Conquests 1500-1750

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Fitzmaurice **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2050 **Assessment:** one 2500 word essay and one 2 hour exam

The focus of this unit is upon the first period of European 'expansion'. The central theme is the ideologies of European expansion. What justification did the Spanish, French, English and Portuguese use for the appropriation of other peoples' lands? (This is the period which sees the emergence of the argument of terra nullius - more recently central to Australian disputes over land rights). Was colonialism supremely self-confident or did the colonisers harbour doubts about the legitimacy of their actions?

HSTY2651

Spanish Civil War

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Judith Keene **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History, Asian Studies

or Spanish Language **Prohibitions:** HSTY2051 **Assessment:** one 2000 word essay, one 2000 word assignment and one exam

The Spanish civil war (1936-1939) was a critical event in modern Spanish history and in international relations. The conflict in Spain elicited an enormous response from intellectuals and activists of the Left and Right around the world. As well, some hundred thousand foreigners enlisted in Spain, most with the Republican International Brigades in what, politically and militarily, was the curtain-raiser to World War Two. This unit enables students to study this important and fascinating twentieth century event in depth.

HSTY2652

Genocide in Historical Perspective

Credit points: 6 **Teacher/Coordinator:** Dr Dirk Moses **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2052 **Assessment:** two 1750 word essays and one 1 hour exam

In this unit we aim to come to an historical understanding of genocide in the modern era, that is, in approximately the last 250 years. We do so in a chronological, i.e. historical manner, and thereby seek not only to compare genocides, but determine how they may be related to one another. This unit begins by exploring the concept of genocide and concludes with post-1945 attempts to prevent it, as well as to prosecute its perpetrators under international law.

HSTY2656

A House Divided: The American Civil War

Credit points: 6 **Teacher/Coordinator:** Dr Frances Clarke **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History, Economic, or Asian History and Culture **Prohibitions:** HSTY2056 **Assessment:** one 500 word proposal, one 2500 word research essay, one 2 hour exam

The Civil War had momentous consequences for America - realigning the nation's political culture, ending slavery and forever transforming millions of lives. This unit analyses the social, cultural and political history of the Civil War and Reconstruction. We begin by looking at combat experience, civilian mobilization and state formation, the war's effects on gender and race relations and the causes for Reconstruction's failure, and we end by focusing on how and why this war continues to resonate in American culture.

HSTY2659

Nationalism

Credit points: 6 **Session:** Semester 1, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2059 **Assessment:** one oral tutorial presentation, participation, one 2500 word essay, one 2 hour exam

This unit analyses theories of nationalism, historical episodes of nationalism and cultural representations of nationalism. It introduces various approaches to the study of nationalism and provides an overview of the development of nationalism, particularly in nineteenth- and twentieth-century Europe. Contemporary episodes of nationalism, in Europe and elsewhere, are then studied. The unit also examines nationalism in art, literature and popular culture.

HSTY2660

Violence in Italy

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Eckstein **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History or Economic History **Prohibitions:** HSTY2060 **Assessment:** one 1500 word tutorial paper and one 3000 word research essay

Violence is a feature of all human societies in every era. This unit examines the cultural significance of violence in Italy, from the Ancient Roman amphitheatre to the language of twentieth-century Fascist violence and post-war Italy's confrontation with left and right-wing terrorism, the 'years of lead', and Italy's continuing struggle with the Mafia. Themes include violence in Medieval, Renaissance and Early-Modern urban culture, gender and sexuality, crime and

punishment in the Enlightenment, and Romantic representations of violence in the nineteenth century.

HSTY2661

Medicine and Sex

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Alison Bashford **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial a week **Prerequisites:** 12 credit points of Junior History, Ancient History or Economic History **Prohibitions:** WMST2006, HSTY2061 **Assessment:** one 500 word summary, one 2500 word essay, one take-home exam

This unit examines the history of science, medicine and sex from early modern to postmodern times. Topics include the history of: eugenics; gender, madness and psychiatry; medicine and the determination of sex (hormones/intersex/sex reassignment); medicine and sexual identities; women, men and medical education and practice; reproduction, population and race.

HSTY2662

Atlantic World in the Age of Empire

Credit points: 6 **Teacher/Coordinator:** Dr Michael McDonnell **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2062 **Assessment:** one 2 hour exam, written assignments totalling 2500 words

Between 1450 and 1825, the nations of Europe began building a series of overseas colonies and empires that fundamentally shaped the world in which we now live. This unit will survey the creation and development of the new Atlantic World that resulted. Starting with the voyages of Columbus, and focusing on the experiences of natives, settlers and slaves, we'll explore early encounters, immigration, the slave trade and finally independence movements and revolutions that created the new nations of the Americas.

HSTY2664

Communicating Culture in the Middle Ages

Credit points: 6 **Teacher/Coordinator:** Dr Julie Ann Smith **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2064 **Assessment:** one 1000 word tutorial paper, one 2000 word essay, one 1500 word exam

This is a unit about people and cultures. Women and men, merchants and monks, Christians and Jews all formed the cultures, classes and statuses which constituted late medieval European society. The study themes of this unit focus on the means by which ideas, cultures and expectations were constructed and transmitted, and include topics such as healthcare, civic life, the body, gender and sexuality, religious beliefs and practices, otherness, death, political theory, art and architecture, travel.

HSTY2667

Politics and Cultures of US Imperialism

Credit points: 6 **Teacher/Coordinator:** Dr Clare Corbould **Session:** Semester 2, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2067 **Assessment:** one 2500 word essay, one 2 hour exam

This unit examines: the expansion of US power overseas in the twentieth century and its precursors in the nineteenth century; political, economic and cultural forms of domination and how these transformed both those societies overseas and the US itself; the value of applying the concept of imperialism to US power; the historiography of the US in the world.

HSTY2668

The Rise and Fall of the First Reich

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Olson **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2068 **Assessment:** one 2500 word essay, tutorial participation, one 2 hour exam

This unit examines Germany and its neighbours, 911-1272 A.D., from its rise out of Carolingian Europe into the Medieval 'Great Power' until

the fall of the ambitious and frustrated Hohenstaufen Dynasty left a disunited Germany and what ultimately became 'neither holy, nor Roman, nor an empire'. Included are Germany's prominent early medieval women and later mystic and composer Hildegard of Bingen; relationships with Italy, the Papacy and Eastern Europe; beautiful Ottonian art; brilliant literary development of Germanic and Arthurian legend.

HSTY2691

Writing History

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Eckstein **Session:** Semester 2 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2901, ANHS2691 **Assessment:** one 1500 word book or journal review, one 1500 word reflective essay, one 3000 word diary

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Writing History offers students an introduction to the way in which historians have constructed their stories of the past. Students become familiar with a wide range of approaches to history, historical debates, and with the processes of historical research and publication. We discuss social theories (e.g. Marxism, feminism, structuralism, post-structuralism) and approaches to the writing of history.

HSTY2805

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2806

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2809

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2810

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2811

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY3601

History of Travel and Tourism

Credit points: 6 **Teacher/Coordinator:** Mr Richard White **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points of History **Prohibitions:** HSTY3001 **Assessment:** one 500 word proposal and one 5500 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit attempts an overview of the history of travel, working around the historical development of a distinction between 'traveller' and 'tourist'. Our route follows travellers from ancient times through medieval pilgrimage and the Grand Tour to the development of mass tourism. It then examines the development of the contemporary industry in Australia, America, Europe and the relationship between tourism and imperialism in the 'Third World'. The unit ends with considerations of postmodern travel experiences in Disneyland and cyberspace.

HSTY3612

Sydney: An Autobiography

Credit points: 6 **Teacher/Coordinator:** Mr Richard White **Session:** Semester 2, Winter Main **Classes:** one 2 hour seminar per week (and 1 hour travel time

in some weeks) **Prerequisites:** 24 Senior credit points in History **Assessment:** one 500 word research exercise and 5500 word research essay

How does a city write its own history? This unit gives students the opportunity to research and write the history of the city they live in. Focusing on the period 1870-1940, which produced suburbs, railways, major churches and cultural institutions, beach culture, Harbour Bridge, Luna Park and high-rise buildings, the unit emphasises research skills. A number of seminars will be held off campus, in libraries, archives and on field trips (students should allow for travelling time in their timetables).

HSTY3640

Film in Black and White

Credit points: 6 **Teacher/Coordinator:** Dr Clare Corbould **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 senior credit points of History **Assessment:** one 6000 word essay (90%), Seminar participation (10%)

This unit examines African-American filmmaking and African-American filmmakers. We will also explore the relationship between ideas about race - examined in a transnational context - and American film. In this seminar unit students will undertake one serious research essay, on a topic of their own devising, studying an aspect of one or more of these areas.

HSTY3651

Writing Place: Land & Memory in History

Credit points: 6 **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points of History **Assessment:** one 4500 word research essay and one 1500 word seminar paper

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

What is sense of place? This seminar looks at the ways a history of place is inscribed into our imaginations. It asks how human society in the past has related to place and space. It examines contested places, places that are sacred, places that speak to an individual's identity and to the national imagination. Seminars will cover the relationship between the wilderness and the city, between rural places and urban places and between the land and the sea.

HSTY3670

Problems and Sources in British History

Credit points: 6 **Teacher/Coordinator:** Dr Chris Hilliard **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 senior credit points in History **Assessment:** 5-6000 words of written work (90%) and class participation (10%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines a number of problems in British cultural history from the late nineteenth-century onwards. Topics studied may include the role of empire in 'domestic' British cultural life; responses to mass communication and new media; and the status and significance of 'high culture' in the twentieth century. The unit also introduces students to the extraordinarily rich Mass-Observation Archive in Fisher Library.

HSTY3671

American Utopias

Credit points: 6 **Teacher/Coordinator:** Dr Frances Clarke **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 senior credit points of History **Assessment:** one 5500 word research paper (85%), one 500 word proposal (5%), participation (10%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The advent of industrial capitalism ushered in new forms of oppression as well as new visions for perfecting society and the individual. In this unit we explore the utopian experiments and ideas that abounded in nineteenth and early twentieth century America, focusing on the contexts that helped to generate radical imaginings, the transatlantic currents that often shaped them, and the forces that constrained their realisation.

HSTY3672**American Freakery**

Credit points: 6 **Teacher/Coordinator:** Dr Frances Clarke **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 senior credit points of History **Assessment:** one 5500 word research paper (85%), one 500 word proposal (5%), participation (10%)

Most scholars agree that the origins of modernity can be found in the Victorian era. Yet where the historiography of the period once drew a straight line from repression to enlightenment, recent scholarship concentrating on the varied strands of nineteenth-century popular culture offers far more complex readings of the period. This unit analyses cultural histories that deal with the strange side of nineteenth-century life - from phrenology to spiritualism - in order to reassess Victorianism and, in turn, the basis of modernity.

HSTY3683**Race, Empire and Bondage**

Credit points: 6 **Teacher/Coordinator:** Dr Kirsten McKenzie **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points of History **Prohibitions:** HSTY3083 **Assessment:** one 1000 word seminar paper, one 500 word proposal, one 4500 word research paper
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Using case studies of Australia, South Africa and the Caribbean, this course takes a transitional approach to the history of unfree labour in the British Empire from the late eighteenth to the middle of the nineteenth century. We will also pursue the related debates over race, class, gender and sexuality convulsing the British Empire (including India) more generally during this period. These themes will be analysed in the light of the historiographical developments of the new cultural history of empire.

HSTY3685**The Celtic World**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Olson **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points in History **Prohibitions:** HSTY3085 **Assessment:** one 4000 word seminar paper (70%), one 2000 word weekly journal (20%), participation (10%)
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The Celtic Europe of late prehistory was conquered and modified by Romans, Germans and Vikings until only the peripheral areas of Scotland, Wales, Ireland, Cornwall and Brittany retained a substantial Celtic character. The unit will examine the Celtic world from the middle of the first millennium B.C. to the twelfth century A.D., trying to define what is characteristically Celtic in art, literature, social structure and political custom, comparing the Celts with their conquerors and neighbours and with each other.

HSTY3686**Democratisation in the Asia-Pacific I**

Credit points: 6 **Teacher/Coordinator:** Dr John Wong **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points in History **Prohibitions:** HSTY3086 **Assessment:** one 6000 word essay

This unit will focus on the so-called 'Confucian societies': China, Japan, Korea, Taiwan, Hong Kong, Singapore and Vietnam. It is said that Confucian ethics, values, attitudes and the like contribute to the neo-authoritarianism of these societies. Nonetheless these societies are slowly democratising their polities. Australia has decided that its future lies in Asia. It is important, therefore, that Australian students acquire a good understanding of the process of democratisation occurring in the Confucian societies of Asia.

HSTY3687**Democratisation in the Asia-Pacific II**

Credit points: 6 **Teacher/Coordinator:** Dr John Wong **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points of History **Prohibitions:** HSTY3087 **Assessment:** one 6000 word essay

This unit will focus on the so-called 'Confucian societies': China, Japan, Korea, Taiwan, Hong Kong, Singapore and Vietnam. It is said that Confucian ethics, values, attitudes and the like contribute to the

neo-authoritarianism of these societies. Nonetheless these societies are slowly democratising their polities. Australia has decided that its future lies in Asia. It is important, therefore, that Australian students acquire a good understanding of the process of democratisation occurring in the Confucian societies of Asia.

HSTY3691**The History of Love in Australia**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Penny Russell **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points of History **Prohibitions:** HSTY3091, HSTY3092 **Assessment:** one 1000 word essay proposal, one 5000 word research-based essay
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit considers the ideology and experience of family, romance, sex, marriage, childhood and parenting in Australia since 1788. It examines the impact within colonial, indigenous and modern communities of romantic and domestic ideologies, material circumstances and visions of and for the future. It considers the social place and meaning of mothers, fathers, sons and daughters, and examines the politics of gender in citizenship, medicine, sexuality, cities, rural and suburban families, and national culture and symbolism.

HSTY3695**Travels with Celts**

Credit points: 6 **Teacher/Coordinator:** Dr Lynette Olson **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 senior credit points of History **Assessment:** one 4000 word seminar paper (70%), one 2000 word weekly journal (20%), seminar participation (10%)
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

These travels will take us back in time to the Ancient and Medieval worlds and across Europe and beyond, even to legendary Arthurian realms. We will accompany migrants from Britain to Brittany and Galicia in Northern Spain, holy pilgrims from Ireland to Continental Europe, and much earlier Continental mercenaries to the Near East. We will follow artistic ideas in metalwork and manuscript (including via Rare Book facsimiles), seek out the elusive Picts and sample Celtic food and drink (honey/mead).

HSTY3696**Daughters of Eve**

Credit points: 6 **Teacher/Coordinator:** Dr Julie Ann Smith **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 Senior credit points of History **Prohibitions:** HSTY3096 **Assessment:** one 500 word research proposal, one 5500 word research essay
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Saints and prostitutes, mothers and nuns, mystics and alewives - all women in medieval Europe were defined and constrained on the basis of their bodies and their implicit connection with the fall of Eve. Cultural understandings of women's bodies sprang from conflicting traditional constructions of female sexuality as both necessary and dangerous, and of dualist ideas of women as private, emotional and weak in relation to men as public, intellectual and strong.

HSTY3698**Class Struggles in the Atlantic World**

Credit points: 6 **Teacher/Coordinator:** Dr Michael McDonnell **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 24 senior credit points of History **Prohibitions:** HSTY3098 **Assessment:** one 500 word research statement, one 5500 word essay
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will take a broad comparative approach to the history of class struggles in the early modern Atlantic World. We'll focus on the experiences of the working classes - sailors and labourers, slaves and servants, witches and rebels - in the Americas, Europe and Africa as they helped create, and make sense of, their own New Worlds. We'll also try to understand the intellectual developments that have

reshaped approaches to the study of both class and the Atlantic World in recent years.

HSTY3699

Public & Private Life: Britain 1707-1901

This unit of study is not available in 2007

Credit points: 6 **Teacher/Coordinator:** Dr C McCreery **Classes:** One 2 hour seminar a week **Prerequisites:** 24 Senior credit points of History **Prohibitions:** HSTY3099 **Assessment:** 1000 word precis, 5000 word essay

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

As Britain developed into a political, economic and cultural world power, its people produced a rich body of printed and visual commentary (newspapers, diaries, satirical prints and paintings etc) on these developments. We use this material and the work of historians to explore contemporary attitudes to the following issues: the changing relationship of the monarch vis-à-vis Parliament, the crisis of the aristocracy, the consequences of urbanisation, men and women's participation in public and private life and press freedom and censorship.

Indonesian and Malay Studies

INMS1101

Indonesian 1A

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** Native or near native speakers of Indonesian or Malay, HSC Continuers, or Extension Indonesian or Beginners Indonesian with 75% or above or equivalent **Assessment:** 3 short assignments (pass/fail), 3 in-class tests (45%), 3 oral assessments (45%), in-class participation (10%).

First year Indonesian is designed to give beginning students a solid basis from which to continue Indonesian Studies at higher levels. It combines 3 hours per week of intensive Indonesian language instruction and private language study with a series of English-language lectures that introduces students to Indonesian culture and society.

Textbooks

John U. Wolff et al., Beginning Indonesian through self-instruction (Cornell University, N.Y.) [Latest Edition] Books 1 and 2.

INMS1102

Indonesian 1B

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** INMS1101 **Prohibitions:** INMS1301, INMS1302 **Assessment:** 3 short assignments (pass/fail), 3 in-class tests (45%), 3 oral assessments (45%), in-class participation (10%)

Indonesian 1B is designed to give beginning students a solid basis from which to continue Indonesian Studies at higher levels. It combines 3 hours per week of intensive Indonesian language instruction and private language study with a series of English-language lectures that extends students' knowledge of Indonesian culture and society.

Textbooks

As for INMS1101

INMS2601

Indonesian 2A

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** INMS1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission **Prohibitions:** 8 credit point units of study numbered INMS2101 or above **Assessment:** 2 in-class tests (40%), 2 oral assessments (30%), 1 assignment (20%), in-class participation (10%).

This unit emphasises practice in the spoken form of standard Indonesian, along with development of reading and writing skills. Reading of texts related to modern Indonesian society will develop students' understanding of the social and cultural contexts in which Indonesian is used.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS2602

Indonesian 2B

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** INMS2101 or INMS2601 **Prohibitions:** 8 credit point units of study numbered INMS2102 or above **Assessment:** 2 in-class tests (40%), 2 oral assessments (30%), 1 assignment (20%), in-class participation (10%).

This unit consolidates and develops the skills acquired in INMS2601, and is designed to prepare students for advanced study of Indonesian. Fieldwork will involve interviewing a member of the Indonesian community in Sydney. Students will also study texts expressing the opinions of Indonesians on important social and national issues.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS2650

Indonesian In Country Study A

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every 3 semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2651

Indonesian In Country Study B

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2652

Indonesian In Country Study C

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2653**Indonesian In Country Study D**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment .

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2654**Indonesian In Country Study E**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment .

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2655**Indonesian In Country Study F**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment .

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2656**Indonesian In Country Study G**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment .

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator

prior to undertaking any in-country program for which credit will be sought.

INMS2657**Indonesian In Country Study H**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601

Note: Department permission required for enrolment .

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

INMS2805**Indonesian Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

INMS2806**Indonesian Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

INMS2807**Indonesian Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

INMS2808**Indonesian Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

INMS3601**Indonesian 3A**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** INMS2102 or INMS2602 department permission **Prohibitions:** 8 credit point units of study numbered INMS3101 or above **Assessment:** Weekly listening tasks on Indonesian-language lectures (10%), 2 oral assessments (40%), 2 in-class tests (40%), in-class participation (10%).

Indonesian 3A is designed to extend students' knowledge and understanding of Indonesian language and culture. It combines intensive Indonesian language instruction with a series of Indonesian-language lectures that extends students' knowledge of Indonesian culture and society on a variety of contemporary topics.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS3602**Indonesian 3B**

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** INMS3101 or INMS3601 **Prohibitions:** 8 credit points of units of study numbered INMS3102 or above **Assessment:** Weekly listening exercises on Indonesian-language lectures (10%), 1 oral assessment (20%), 1 assignment (20%), 2 in-class tests (40%), in-class participation (10%).

Third level Indonesian is designed to extend students' knowledge and understanding of Indonesian language and culture. It combines intensive Indonesian language instruction with a series of Indonesian-language lectures that extends students' knowledge of Indonesian culture and society.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS3605

Indonesian Advanced Studies C

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 3 hours of seminars per week **Prerequisites:** INMS3102 or INMS3602 or departmental permission **Assessment:** Weekly assessment tasks (30%), oral assessment (30%), essay portfolio (10%), 2000 word essay (20%), in-class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is designed for native speakers, near native speakers and advanced learners of Indonesian. It emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary and scholarly material will be used, and topics may be drawn from areas such as regional autonomy, labour relations, contemporary music and education.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS3606

Indonesian Advanced Studies D

Credit points: 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 3 hours of seminars per week **Prerequisites:** INMS3102 or INMS3602 or department permission **Assessment:** Weekly assessment tasks (30%), oral assessment (30%), essay portfolio (10%), 2000 word essay (20%), in-class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is designed for native speakers, near native speakers and advanced learners of Indonesian. It emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary and scholarly material will be used, and topics may be drawn from areas such as contemporary literature, cross-cultural exchange, tourism and human rights.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

International and Comparative Literary Studies

ICLS2633

Cities of the World

Credit points: 6 **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject; or special permission by the Director of International Comparative Literary Studies **Assessment:** Attendance and participation (10%), class presentation (equivalent to 1000 words, 10%), two 2500 word essays (40% + 40%).

The 'city' is a diverse and controversial theme in world literature. It touches upon past and present, alienation and fulfilment, luxury and poverty, success and failure, anonymity and fame. There are modern and old cities, cosmopolitan and 'holy' cities. By examining how the cultural and historical transformation of urban living has been approached by writers of different cultural and national backgrounds, this unit of study offers a journey to different geographic locations but also a journey through time.

ICLS2634

Literature and Revolution

Credit points: 6 **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject; or special permission by the Director of International Comparative Literary Studies **Assessment:** Attendance and participation (10%), class presentation (equivalent to 1000 words, 10%), two 2500 word essays (40% + 40%).

This unit surveys the connection between literature and revolution by investigating the ways in which literary texts and movements across

the world have influenced radical responses to the status quo, questioning, and provoking a re-conceptualisation of prevailing values and traditions. But how and when do literary experiments become revolutionary? Are they the same in different cultures? Could a pattern of synergies connecting literary with political and social revolutions emerge from a historical as well as cross-cultural investigation?

ICLS2635

Science Fiction: The Future is Now

Credit points: 6 **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject; or special permission by the Director of International Comparative Literary Studies **Assessment:** Attendance and participation (10%), class presentation (equivalent to 1000 words, 10%), two 2500 word essays (40% + 40%).

Science Fiction is one of the most interesting explorations of human future. Yet it addresses a number of social, political and existential issues that refer to the present: dilemmas, phobias and hopes of a world traumatised by war, disease and internal contradictions. Through the comparative study of novels and movies, this unit explores how the future, from a promised land of a great utopia, has become the dreadful exile into a dark dystopia.

Italian Studies

ITLN1611

Introductory Italian 1

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni, Dr M. Cristina Mauceri, Dr Antonia Rubino **Session:** Semester 1, Summer Main **Classes:** 3 hours of tutorials and 1 hour lecture per week. **Prohibitions:** ITLN1201, ITLN1301, ITLN1621, ITLN1631, ITLN1101 **Assessment:** Classwork, assignments, tests, 2 hour exam.

Note: A student who is qualified to enter a higher level course may not enrol in a lower level course. Students who have taken HSC Italian and students who have any formal training from other sources are required to identify themselves to the department as soon as possible.

This unit provides an introduction into the main structures of the Italian language and contemporary Italian society and history. All four language skills are developed, with a particular focus on grammatical accuracy. The cultural component offers insights into some of the salient issues of Italian history, from Unification to the present.

Textbooks

Lazzarino, Prego (McGraw-Hill) 6th edition;

Other texts available from department.

Recommended reference books:

De R me, Soluzioni! A Practical Guide to Italian Grammar (Arnold).

Adorni and Primorac, English Grammar for Students of Italian (Olivia and Hill) Course reader (in special reserve);

Duggan, A Concise History of Italy (Cambridge);

Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin) [latest edition].

Recommended dictionaries:

Collins Italian Concise Dictionary (Collins);

Collins Sansoni Italian Dictionary (Collins)

ITLN1612

Introductory Italian 2

Credit points: 6 **Teacher/Coordinator:** Dr M Cristina Mauceri, Dr Antonio Da Rold, Prof Nerida Newbigin **Session:** Semester 2 **Classes:** 3 hours of language tutorials and 1 hour reading seminar **Prerequisites:** ITLN1611, ITLN1101 or equivalent **Prohibitions:** ITLN1202, ITLN1302, ITLN1632, ITLN1102 **Assessment:** Classwork, assignments, tests, 2 hour exam.

The language component of this Unit builds further on the structures acquired in ITLN1611. The cultural component, Modern Italy, explores aspects of twentieth century Italian literary and cultural movements and figures, through guided reading and analysis of relevant texts in a weekly reading seminar.

Textbooks

Lazzarino, Prego (McGraw-Hill) 6th edition;

Other texts available from department.

Course reader available from University Copy Centre.

Recommended reference books:

De R me, Soluzioni! A Practical Guide to Italian Grammar (Arnold);

Duggan, A Concise History of Italy (Cambridge);

Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin) [latest edition].

ITLN1621

Junior Intermediate Italian 1

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni, Dr Antonia Rubino **Session:** Semester 1 **Classes:** 3 hours of language tutorials and 1 hour lecture per week **Prerequisites:** HSC Italian (Beginners or 2UZ) or equivalent language knowledge **Prohibitions:** ITLN1101, ITLN1301, ITLN1611, ITLN1631, ITLN1201 **Assessment:** Classwork, assignments, tests.

This unit consolidates the main structures of Italian grammar and provides an introduction into contemporary Italian history, society and literature. All four language skills are developed, and complex structures introduced. Reading, writing and close analysis of appropriate texts are particular features of the language curriculum. The cultural component consists of a series of lectures, Introduction to Italian Studies, which offer insights into some of the salient issues of Italian history. Students successfully completing ITLN1621 proceed to ITLN1632.

Textbooks

Course pack available from University Copy Centre.

Recommended reference books:

Course reader (in special reserve);

Glennan, P. and Bressan, D. A Student's Guide to Italian Grammar (Oxford);

Duggan, A Concise History of Italy (Cambridge);

Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin) [latest edition].

ITLN1631

Junior Advanced Italian 1

Credit points: 6 **Teacher/Coordinator:** Dr M Cristina Mauceri, Dr Paolo Bartoloni **Session:** Semester 1 **Classes:** 3 hours of language tutorials and 1 hour reading seminar **Prerequisites:** HSC Italian (Continuers, Extension, 2U, 3U) or equivalent language knowledge. **Prohibitions:** ITLN1201, ITLN1101, ITLN1621, ITLN1611, ITLN1301 **Assessment:** Classwork, assignments, tests, 2000 word essay.

This unit revises and consolidates the main structures of Italian grammar, develops the four language abilities (listening, speaking, reading and writing) and provides an overview of contemporary Italian history and society. The language component focuses on the development of skills in reading and writing. The cultural component consists of a reading seminar which deals with a range of twentieth century literary texts.

Textbooks

Course pack available from University Copy Centre.

ITLN1632

Junior Advanced Italian 2

Credit points: 6 **Teacher/Coordinator:** Dr M Cristina Mauceri, Dr Paolo Bartoloni **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** ITLN1201, ITLN1621 or ITLN1631 **Prohibitions:** ITLN1102, ITLN1302, ITLN1402 **Assessment:** Classwork, assignments, tests (equivalent to 2500 words), 2000 word essay.

The language component of ITLN1632 builds on the competence acquired in ITLN1621 and ITLN1631. The cultural component, Modern Italy, explores aspects of twentieth-century Italian literary and cultural movements and figures through a guided reading and analysis of relevant texts in a weekly reading seminar.

Textbooks

Coursepack available from University Copy Centre.

ITLN1801

Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN1802

Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2611

Intermediate Italian 3

Credit points: 6 **Teacher/Coordinator:** Dott Paola Marmini **Session:** Semester 1 **Classes:** 2 hours of language tutorials and 1 hour oral/aural class per week **Prerequisites:** ITLN1612, ITLN1102 or equivalent language knowledge **Prohibitions:** ITLN2631, ITLN2101, ITLN2201, ITLN2301 **Assessment:** 2 language tests (1000 words each), 2 aural/oral tests (500 words each), oral presentation(s) (500 words), written assignments (1000 words).

This unit activates and consolidates the principal structures of the language and introduces complex structures, providing a variety of activities to suit most learning styles. It offers an up-to-date image of Italian life and culture and opportunities to discuss cross-cultural issues.

Textbooks

Course pack available from University Copy Centre.

Recommended dictionary:

Collins Sansoni Italian Dictionary (Collins).

ITLN2612

Intermediate Italian 4

Credit points: 6 **Teacher/Coordinator:** Dott Paola Marmini **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ITLN2611, ITLN2101 or equivalent language knowledge. **Prohibitions:** ITLN2632, ITLN2202, ITLN 2302 **Assessment:** 2 language tests (1000 words each), 2 aural/oral tests (500 words each), oral presentation(s) (500 words each), written assignments (1000 words).

This unit consolidates and expands both receptive and productive skills through a variety of learning tasks, to be carried out individually and/or in group. It aims at fluency and accuracy and it fosters independent learning.

Textbooks

Course pack available from University Copy Centre.

<head6>Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

ITLN2631

Senior Italian 3

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** ITLN1632, ITLN1202, ITLN1302 or equivalent language knowledge **Prohibitions:** ITLN2611, ITLN2201, ITLN2101, ITLN2301 **Assessment:** 2 language tests (1000 words each), 2 aural/oral tests (250 words each), oral presentation(s) (500 words), online tasks (500 words), written assignments (1000 words).

This unit provides consolidation in and activation of all four language skills, with a particular emphasis on speaking and writing. It offers an up-to-date image of Italian society and opportunities to discuss cross-cultural issues. Reflection on the language system aims at introducing complex structures, developing awareness at syntactic level and self-awareness about individual language performance.

Textbooks

Bozzone Costa, R. Viaggio nell'italiano (Loescher).

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN2632

Senior Italian 4

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ITLN2631, ITLN2201 or ITLN2301 **Prohibitions:** ITLN2612, ITLN2202, ITLN2302 **Assessment:** 2 language tests (1000 words each), 2 aural/oral tests (250 words each), oral presentation(s) (500 words), online tasks (500 words), written assignments (1000 words).

This unit builds on the competence acquired in ITLN2631 and further develops the four language skills within the cultural context of contemporary Italy. It aims at fostering both fluency and accuracy as well as independent learning skills.

Textbooks

Bozzone Costa, R. Viaggio nell'italiano (Loescher).

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN2811

Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN2812 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN2813 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN2814 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN2815 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN2816 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN2817 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ITLN3611 Senior Italian 5

Credit points: 6 **Teacher/Coordinator:** Dott Paola Marmini **Session:** Semester 1 **Classes:** 2 hours class time and 1 hour online discussion per week **Prerequisites:** ITLN2612, ITLN2202 or equivalent language knowledge **Prohibitions:** ITLN3631, ITLN3201, ITLN3301 **Assessment:** 2 language tests (1000 words each), oral presentation(s) (500 words), online tasks (1000 words), written assignments (1000 words).

This unit furthers competence in all aspects of the language, with a particular focus on advanced reading and writing skills. It deals with different aspects of Italian contemporary society through a variety of text types and levels of formality, encouraging cross-cultural appreciation and discussion. It presents examples of language for specific purposes.

Textbooks

Texts available from department.

Recommended dictionary: Zingarelli, Vocabolario della lingua italiana (Zanichelli)

ITLN3612 Senior Italian 6

Credit points: 6 **Teacher/Coordinator:** Dott Paola Marmini **Session:** Semester 2 **Classes:** 2 hours class time and 1 hour online discussion per week **Prerequisites:** ITLN3611, ITLN3201 or equivalent language knowledge **Prohibitions:** ITLN3202, ITLN3302 **Assessment:** 2 language tests (1000 words each), oral presentation(s) (500 words), online tasks (1000 words), written assignments (1000 words).

This unit offers opportunities for advanced and carefully planned language practice. It aims to develop the student's linguistic awareness and to reflect on the Italian language system as a whole, while dealing with different aspects of Italian contemporary society and culture. It activates use of language for specific purposes.

Textbooks

Texts available from department.

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN3631 Senior Italian 7

Credit points: 6 **Teacher/Coordinator:** Dott Nicoletta Zanardi **Session:** Semester 1 **Classes:** 2 hours class time and 1 hour online discussion per week **Prerequisites:** ITLN2632, ITLN2302 or equivalent language knowledge **Prohibitions:** ITLN3611, ITLN3301, ITLN3201 **Assessment:** 2 language tests (1000 words each), oral presentation(s) (500 words), online tasks (1000 words), written assignments (1000 words).

This unit furthers competence in all aspects of the language, with a particular focus on the discursive level and on advanced reading and writing skills. It deals with different aspects of Italian contemporary society through a variety of text types and levels of formality. It presents examples of language for specific purposes.

Textbooks

Texts available from department.

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN3671 Dante: Inferno

Credit points: 6 **Teacher/Coordinator:** Dr Diana Modesto **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ITLN2612, ITLN1632, ITLN2202 or equivalent language knowledge. **Prohibitions:** ITLN3701 **Assessment:** Class presentation and paper (1000 words), 2 class tests (2000 words), research paper (3000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is an introduction to Dante's major works, concentrating on the Divine Comedy: Inferno and an overview of Dante's life and times.

Textbooks

Dante, La Divina Commedia, Inferno, ed. N.Sapegno (La Nuova Italia) or an edition in Italian

ITLN3672 Dante: Purgatorio

Credit points: 6 **Teacher/Coordinator:** Dr Diana Modesto **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN3671 or ITLN3701 **Prohibitions:** ITLN3702 **Assumed knowledge:** Adequate language level. **Assessment:** Class presentation and paper (1000 words), 2 class tests (2000 words), research paper (3000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is a study of Dante's Divine Comedy: Purgatorio and associated aspects of the Middle Ages.

Textbooks

Dante's Textbooks: Dante, La Divina Commedia, Purgatorio, ed. N. Sapegno (La Nuova Italia)

ITLN3675 Renaissance Florence

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN1612, ITLN1202, ITLN1302, ITLN2612, ITLN2202 or equivalent language knowledge **Prohibitions:** ITLN3706 **Assessment:** Class presentation (1500 words), class tests (1500 words), essay (3000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is an introduction to Florentine literary culture through close readings of selected literary texts and extended reading of current historical and critical writing.

Textbooks

Course pack from University Copy Centre.

ITLN3677 Contemporary Italian Poetry

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302 or equivalent knowledge of the language **Prohibitions:** ITLN3758 **Assessment:** 2 essays (1000 words each, 40%), class paper (500 words, 15%), class presentation (2500 words, 25%), group work (1000 words, 15%), participation (5%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

What is poetry? How does it work? What does it do for us? How does it connect with our lives and the surrounding world? Is it still relevant? This unit surveys these and other issues by looking at developments and directions in Italian poetry in the late nineteenth and twentieth century.

Textbooks

Texts available from department.

ITLN3678

Contemporary Italian Fiction

Credit points: 6 **Teacher/Coordinator:** Dr M Cristina Mauceri **Session:** Semester 2 **Classes:** 2 hours class time and 1 hour online discussion **Prerequisites:** ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302 or equivalent knowledge of the language **Prohibitions:** ITLN3713 **Assessment:** Class presentation (1000 words), 2 class tests.

This unit combines literary and textual analysis with the development of oral and written skills in Italian through the case study and examination of a variety of Italian short fiction from the twentieth century to the present day.

Textbooks

Texts available from department.

ITLN3680

Italian Theatre: Pirandello to Fo

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 2 **Classes:** 2 hour class and 1 hour workshop per week **Prerequisites:** ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302 or equivalent language knowledge **Prohibitions:** ITLN3715 **Assessment:** Presentation (1500 words), performance (20 min, 1000-1500 words), essay (2000 words).

Theoretical and practical sessions explore the performance implications of a number of modern theatre texts, including Pirandello and Fo, and critical approaches to play texts in the light of the transition from dramatic text to performance.

Textbooks

Course pack available from University Copy Centre.

ITLN3682

Fiction of Youth

Credit points: 6 **Teacher/Coordinator:** Dr M Cristina Mauceri **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ITLN1632, ITLN2612, ITLN1202, ITLN1302, ITLN2202 or equivalent language knowledge **Prohibitions:** ITLN3763 **Assessment:** Class presentation (1500 words), class test (2000 words), essay (2500 words)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit (conducted in Italian) examines a range of Italian novels from the second half of the twentieth century whose authors or protagonists are young. We will conduct a literary analysis of the texts, considering aspects such as genre, viewpoint and style. Furthermore, we will study specific topics related to the themes of youth, paying attention to the historical and social background of the text.

Textbooks

Moravia, A., Agostino, Bompiani, 2000
Ginzburg, N., Caro Michele, Einaudi, 1973
Culicchia, G., Tutti giù per terra, Garzanti, 1994

ITLN3683

Debates in Contemporary Italy

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN2101, ITLN2201, ITLN2301, ITLN2612 or ITLN2632 or equivalent language knowledge **Prohibitions:** ITLN3757 **Assessment:** 2 essays (1000 words each, 40%), class paper (500 words, 15%), class presentation (2500 words, 25%), group work (1000 words, 15%), participation (5%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Critical discourse in Italy is at one of its most engaging and interesting stages, especially at the level of literature and philosophy. This unit of study examines the national and international significance and relevance of Italian critics and philosophers. Texts by Giorgio Agamben, Adriana Cavarero and Aldo Gargani will be discussed,

emphasising the function that literature and philosophy play for the understanding of contemporary phenomena.

Textbooks

Giorgio Agamben, *Infanzia e storia*
Adriana Cavarero, *Tu che mi guardi, tu che mi ascolti*
Aldo Gargani, *Il filtro creativo*

ITLN3685

Linguistic Issues in Migration

Credit points: 6 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ITLN1302, ITLN1402, ITLN2202, ITLN1632 or ITLN2612 or equivalent language knowledge **Prohibitions:** ITLN3754 **Assessment:** Presentation (1000 words), class test (1000 words), 2 essays (2000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines the main linguistic phenomena that occur in the contact between majority and minority languages in a context of migration, using the Italo-Australian community as a case.

Textbooks

Course pack available from University Copy Centre.

ITLN3686

Italian Language Acquisition

Credit points: 6 **Teacher/Coordinator:** Dott Paola Marmini, Dott Nicoletta Zanardi **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN1632, ITLN2612, ITLN1302, ITLN2202 or equivalent language knowledge **Prohibitions:** ITLN3753 **Assessment:** Mid-term essay (1500 words), essay (2000 words including interview and transcription), oral presentation (1500 words), class discussion and activities (1000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit consists of the presentation of studies in Italian Language Acquisition within the framework of current theories of Second Language Acquisition. It is held entirely in Italian and it involves reading and reporting on research papers on linguistics in Italian as well as discussing related issues. Students will be encouraged to reflect upon their experience as second language learners and express their views on acquisition.

ITLN3687

Focus on Writing in Italian

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN3631, ITLN3612, ITLN3301, ITLN3202 or equivalent language knowledge **Prohibitions:** ITLN3611, ITLN3631, ITLN3401 **Assessment:** 2 hour exam, written assignments and weekly homework (4000 words).

This unit is designed specifically for students with advanced knowledge of Italian. Students will analyse and produce written texts of varying text types and writing techniques. They will also focus on specific strategies for written communication.

Textbooks

Course pack available from University Copy Centre.

ITLN3688

Advanced Italian: Translation

Credit points: 6 **Teacher/Coordinator:** Dr Diana Modesto **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN3401, ITLN3687 **Prohibitions:** ITLN3402 **Assessment:** Research task (1000 words), 10 weekly tasks (2000 words), presentation (1000 words), 2 hour exam (2000 words).

Translating and interpreting from and into Italian, exploring modes, techniques and genres.

Textbooks

Texts available from department.

ITLN3691

Italian Literature: 1200-1860

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin, Dr Antonia Rubino **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** Credit in 12 credit points of Italian **Prohibitions:** ITLN2902 **Assessment:** 2 essays (1500 and 2500 words), class test (2000 words).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Through analysis of representative texts and exploration of their contexts, this honours/exchange preparation unit surveys major figures, works, schools and movements in Italian literary culture from the thirteenth to the nineteenth century.

Textbooks

Anthology of Authors from the Duecento to the Ottocento (from University Copy Centre).

ITLN3692

Italian Research Methodologies

Credit points: 6 **Teacher/Coordinator:** Prof Nerida Newbigin **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit average in previous Italian units and a minimum of 12 junior credit points in Italian. **Prohibitions:** ITLN2901 **Assessment:** 4 essays (1000 words each), 1 essay (2000 words).

Note: Department permission required for enrolment.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit introduces intending honours students to the research skills and methodologies of the humanities and social sciences and their specific applications in the broad range of disciplines that make up the field of Italian studies.

Textbooks

Gibaldi, MLA Handbook for Writers of Research Papers, 6th edition, 2003 (Modern Language Association of America)

Japanese Studies

JPNS1611

Japanese 1

Credit points: 6 **Teacher/Coordinator:** Ms Seiko Yasumoto **Session:** Semester 1, Summer Main, Winter Main **Classes:** 4 hours per week **Prerequisites:** JPNS1111, any HSC Japanese Course **Assessment:** Continuous class assessment (i.e. weekly quizzes, speaking, writing, listening tests) (2000 words), 2 hour semester exam (2000 words).

This beginners unit introduces basic communication skills in understanding and speaking Japanese. Students will also learn to write the two Japanese syllabaries and approximately 60 kanji characters and to recognise at least 100 kanji characters in context. Relevant socio-cultural information is integrated with the language learning. Students are urged to take ASNS1001

Textbooks

To be advised in the orientation period.

JPNS1612

Japanese 2

Credit points: 6 **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** JPNS1111 or JPNS1611 **Prohibitions:** JPNS1121 **Assessment:** Continuous class assessment (i.e. weekly quizzes, speaking, writing, listening tests) (2000 words), 2 hour semester exam (2000 words).

This unit develops both the basic communication skills and the learning skills introduced in semester one. Students will continue to learn to use and understand Japanese in meaningful, everyday contexts. They will be able to write more than 150, and to recognise at least 200 kanji characters in context. Relevant socio-cultural information is integrated with the language learning.

JPNS1801

Japanese Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS1802

Japanese Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS2611

Japanese 3

Credit points: 6 **Teacher/Coordinator:** Dr Chun-Fen Shao **Session:** Semester 1 **Classes:** 3 hours per week. **Prerequisites:** 65% or more in HSC Japanese Beginners or less than 70% in Japanese Continuers, or JPNS1121 or JPNS1612 **Prohibitions:** JPNS1114, JPNS2212 **Assessment:** Continuous assessment,

including class quizzes, tests and written assignments (3000 words), 1 hour exam.

This unit consolidates basic grammar and introduces intermediate grammar, through communicative methods and reading practice. By the end of the semester, students should be able to keep up a conversation for a short time in a dialogue, to write short passages without the assistance of dictionaries, to read narrative texts, and to recognise the difference between written and spoken modes of communication in Japanese. Students will be able to write approximately 200 kanji and to recognise about 300 kanji.

JPNS2612

Japanese 4

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** JPNS1114 or JPNS2212 or JPNS2611 **Prohibitions:** JPNS1124, JPNS2222 **Assessment:** Continuous assessment including class quizzes, tests and written assignments (3000 words), 1 hour exam.

This unit aims to consolidate basic grammar and introduce intermediate grammar through communicative methods and reading practice. By the end of the semester, students are expected to be able to sustain a conversation about a selected topic for several minutes in a dialogue, to write a well-structured short essay without the assistance of dictionaries, and to read Japanese texts on a wide variety of topics. They will be able to write approximately 300 kanji and to recognise about 400 kanji.

JPNS2621

Japanese 5

Credit points: 6 **Teacher/Coordinator:** Dr Yasuko Claremont **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department; or JPNS1124 or JPNS2222 or JPNS2612 **Prohibitions:** JPNS2213 **Assessment:** Continuous assessment (weekly quizzes equivalent to 200 words), tests (speaking, writing, listening and reading comprehension tests) (2300 words), 2 hour exam (2000 words).

This unit aims to develop students' speaking, writing and reading skills for the intermediate level of Japanese, so that they are able to communicate with Japanese people in a variety of situations. Students will be expected to achieve the following linguistic skills: switch to appropriate speech style in formal and informal situations; express opinions and thoughts; write about 350 kanji and recognise at least 600 kanji. Writing and reading practice will consolidate grammatical, lexical and cultural knowledge.

JPNS2622

Japanese 6

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** JPNS2621 or JPNS2213 **Prohibitions:** JPNS2223 **Assessment:** Continuous assessment (weekly quizzes) (200 words), tests (speaking, writing, listening and reading comprehension tests) (2300 words), 2 hour exam (2000 words).

This unit aims to consolidate and extend intermediate level linguistics skills, through the acquisition of conversational strategies such as notions of apologies, reasoning, opinions and explanations. Besides oral practice, writing and reading practice will help strengthen grammatical, lexical and cultural knowledge. Students will be able to read about 850 kanji and write about 500 kanji by the end of the semester. The above aims will be achieved by exploring various topics relating to contemporary Japan.

JPNS2660

Introduction to Japan

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Stavros **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS1121 or JPNS1612 **Assessment:** Group project (2000 words), 4 quizzes (500 words each), essay (2000 words).

This unit aims to help students of Japanese language understand and acquire knowledge of Japanese society and culture at an introductory level. The unit will be taught in English, but will acquaint students with key words and concepts in Japanese. Themes to be covered may include: social structures; contemporary issues and their historical

backgrounds; language use in Japanese society; literary and cultural trends; urban culture.

JPNS2671

Japanese Sociolinguistics

Credit points: 6 **Teacher/Coordinator:** Dr Nerida Jarkey **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS1124 or JPNS2222 or JPNS2612 **Prohibitions:** JPNS3621, JPNS3622, JPNS3631, JPNS3632, JPNS2301, JPNS2302, JPNS3301, JPNS3302 **Assessment:** Continuous assessment including online learning activities, essay (1500 words), class test, 2 hour exam.

This unit will explore some important characteristics of the Japanese language from social perspectives. The characteristics to be explored are concerned with the ways in which Japanese people use language systems to express their own social identity and their relationships with others: both the people they are talking to and the people they are talking about. Authentic texts will be provided by selecting from a range of reading materials such as academic essays, novels and newspaper articles.

JPNS2672

Japanese Culture

Credit points: 6 **Teacher/Coordinator:** Ms Seiko Yasumoto **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** JPNS1124 or JPNS2222 or JPNS2612 **Prohibitions:** JPNS3106, JPNS2301, JPNS3621, JPNS3301, JPNS3631 **Assessment:** Continuous assessment (weekly quizzes, discussion summaries) (1000 words), research paper (1000 words), presentation (2000 words), 2 hour exam (2000 words).

This unit aims to help students understand and broaden their knowledge of various aspects of Japanese society and culture through reading and discussions. The unit also provides students with opportunities to pursue individual interests and develop analytical skills. Students are expected to do research in the library or to access information on the Internet about the topic which will be covered in class each week.

JPNS2811

Japanese Exchange 3

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS2812

Japanese Exchange 4

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS2813

Japanese Exchange 5

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS2814

Japanese Exchange 6

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS2815

Japanese Exchange 7

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS3621

Japanese 7

Credit points: 6 **Teacher/Coordinator:** Ms Mami Iwashita **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** JPNS1123 or JPNS2223 or JPNS2622 **Prohibitions:** JPNS2301 **Assessment:** 2 written class tests (800 words), 3 oral presentations (900 words), 5 kanji character quizzes (300 words), class preparation and participation (500 words), 2 hour semester exam (2000 words).

Classes will involve a range of learning styles for further development of speaking, listening, reading and writing skills. These will include discussion, short surveys, role plays, reading passages and short

translation exercises. Students will also learn how to use a word processor, email and the Internet in Japanese. By the end of this unit of study, students will be able to read approximately 1100 kanji and write 600 kanji.

JPNS3622

Japanese 8

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** JPNS3621 or JPNS2301 **Prohibitions:** JPNS2302 **Assessment:** 2 written class tests (800 words), 3 oral presentations (900 words), 5 kanji character quizzes (300 words), class preparation and participation (500 words), 2 hour final exam (2000 words).

This is a continuing unit designed to consolidate and extend skills acquired in JPNS3621. Learning styles will include discussion, short surveys, role plays, reading passages and short translation exercises. Students will also continue learning how to use a word processor, email and the Internet in Japanese. By the end of this unit of study, students will be able to read approximately 1350 kanji and write 700 kanji.

JPNS3631

Japanese 9

Credit points: 6 **Teacher/Coordinator:** Dr Yasuko Claremont **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS2302 or JPNS3622 **Prohibitions:** JPNS3301 **Assessment:** Continuous class assessment (essay writing, mid-term exam, group and individual presentations) (4000 words), 2 hour exam (2000 words).

This unit aims at the further development of skills beyond the intermediate level. The goals of the unit include the development of skills in language analysis; the understanding of unfamiliar texts of a non-specialist nature; the ability to summarise, to evaluate information critically and to express opinions on a wide range of research topics. Students will be able to write at least 800 kanji and recognise about 1600 kanji.

Textbooks

To be advised in class.

JPNS3632

Japanese 10

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS3301 or JPNS3631 **Prohibitions:** JPNS3302 **Assessment:** 1 hour mid-semester exam (1000 words), presentation (1500 words), essay writing (1000 words), continuous assessment (500 words), 2 hour semester exam (2000 words).

This unit aims at revising and extending language skills to a higher level in order to achieve confidence and proficiency in expressing your views in written and spoken Japanese. Students are expected to develop analytical skills in reading a variety of contemporary writings such as essays, roundtable discussions and articles, and in discussion of current issues and topics. Students will be able to write 900 kanji and recognise about 1850 kanji.

Textbooks

To be advised in class.

JPNS3672

Japanese Media Issues

Credit points: 6 **Teacher/Coordinator:** Dr Keizo Nanri **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS1123 or JPNS1125 or JPNS2223 or JPNS2622 **Assessment:** Continuous class assessment (1000 words), class presentation (equivalent to 1000 words), essay (2000 words), 2 hour semester exam.

This unit is designed to expose students to a range of social and cultural issues facing present day Japan by using selected texts and undertaking limited research. Students develop rapid reading skills and learn how to summarise the content of the texts.

Textbooks

To be advised in class.

JPNS3673

Japanese Society

Credit points: 6 **Teacher/Coordinator:** Dr Chun-Fen Shao **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** JPNS1123 or JPNS2223 or

JPNS2622 or JPNS1125 **Prohibitions:** JPNS3314 **Assessment:** Continuous class assessment, including class quizzes, tests, presentation and written assignments (total 5000 words), 1 hour exam.

Is Japan a unique country? What are the similarities and differences between Japan, Australia and other countries? This unit of study offers students the opportunity to explore various aspects of contemporary Japanese society and culture through reading Japanese texts in the original, through group discussions, and through cross-cultural comparisons. Students will develop their own opinions on a range of social and cultural issues while improving their reading, analytical, and both oral and written communication skills.

JPNS3674

Japanese Literary Tradition

Credit points: 6 **Teacher/Coordinator:** Dr Mats Karlsson **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** JPNS1123 or JPNS1125 or JPNS2223 or JPNS2622 **Assessment:** Continuous class assessment including a class presentation (equivalent to 2000 words), essay (2000 words), 2 hour exam.

In this unit students read and discuss selected Japanese works which deal with the Japanese literary/cultural tradition and with reference to the film medium. Some preparatory research will be essential for each class.

JPNS3841

Japan In-Country Study 1

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 12 Junior JPNS credit points **Assessment:** As required by the host institution.

Note: Department permission required for enrolment.

Approved course in a tertiary level institution in Japan.

JPNS3842

Japan In-Country Study 2

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 12 Junior JPNS credit points **Assessment:** As required by the host institution.

Note: Department permission required for enrolment.

Approved course in a tertiary level institution in Japan.

Jewish Civilisation, Thought and Culture

JCTC1001

Palestine: Roman Rule to Islam

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hour tutorial per week **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%).

How did the religion and history of the Jewish people change from the Second Temple to the rabbinic period? Explore the history and religion of the Jews during the watershed period in Palestine under Roman rule. Study the Hellenist influence on Judaism, the development of different sects, including the Dead Sea sect, and the emergence of Christianity. Lectures (2 hours a week) focus on the history of the period. Tutorials (1 hour a week) deal with broad questions such as who is a Jew and universalism and chosenness in Judaism together with a knowledge and understanding of basic Jewish belief and practice. Students will gain insights into the evolution of Judaism from pagan times to the present. At the upper level, students can study Medieval Judaism, Holocaust and Israel. The course 'Israel in the Modern Middle East', JCTC2607, will be offered in 2007.

Textbooks

A. Malamat ... [et al.], edited by H.H. Ben-Sasson, A History of the Jewish People, Cambridge, Mass., Harvard University Press, 1976
Telushkin, J., Jewish Literacy: The Most Important Things to Know About the Jewish Religion, its People and its History, N.Y., William Morrow, 2001
Holtz, B. ed., Back to the Sources: Reading the Classical Jewish Texts, N.Y., Touchstone, 1992

JCTC1002

Jewish Settlement Outside Palestine

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:**

JCTC1001 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%).

Do you wish to understand the gradual dispersion of Jews from Palestine? Study this unit to understand the spread of Judaism from Palestine into Africa and Asia. Students will study the story of Muhammed and the rise of Islam; the place of the Jew under Islamic law; and the rapid Islamic conquest of much of the known world. They will learn about the dispersed diaspora communities in Babylon and Egypt and the development of Jewish communities in India and China from their early origins to the present day. Lectures are 2 hours and focus on the history of the period. The tutorials (1 hour a week), deal with moral, ethical and philosophical questions relating to Judaism. Discussions will explore the existence and nature of God, prophecy, the Messiah, Torah and the commandments, conversion to Judaism and Jewish attitudes to other faiths.

JCTC1801

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JCTC2603

Jews Under the Crescent and the Cross

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 **Prohibitions:** JCTC2003 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The story of Jews living under the Crescent (Muslim rule) and the Cross (Christian rule) comprises a vibrant period of Jewish history. The unit explores Jews under Muslim rule in Spain and the experiences of Jews under Christian rule in Germany, France and England in the Medieval period, including the problems of Christian antisemitism and the Crusades. These are seminal periods in the development of Jewish thought, with the contribution of great commentators and philosophers including Moses Maimonides.

JCTC2604

From Expulsion to Regeneration

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 2 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 **Prohibitions:** JCTC2004 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

One of the most traumatic events in Jewish history was the expulsion of the Jews from Spain in 1492. Explore the reasons behind the expulsion and the ways in which new centres of Jewish life emerged, especially in Eastern Europe. Light will also be shed on the establishment of Jewish communities in the Netherlands and England on the eve of emancipation when the new ideas of the Enlightenment paved the way for the rise of the modern Jew.

JCTC2605

From Emancipation to the Holocaust

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is designed to introduce students to the turbulent history of European Jewry, 1750 to 1933. Against the background of far-reaching transformation in almost every aspect of society and culture, the Jew's entry into the modern world will be examined. At the centre stands

the process of acculturation, integration, assimilation and Zionism, as well as the responses by non-Jewish society, especially the rise of modern antisemitism.

JCTC2606

The Holocaust: History and Aftermath

Credit points: 6 **Teacher/Coordinator:** Prof Kwiet, Dr Moses **Session:** Semester 2, Summer Late **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1054, HSTY1076, HSTY1088 **Prohibitions:** JCTC2006 **Assessment:** 3000 word essay (50%), 1500 word essay (30%), class participation (20%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit provides an in-depth study of the Holocaust. Special emphasis will be placed on the development of Nazi ideology, in particular racial antisemitism, and the gradual implementation of this policy towards the Jews and other victim groups from 1933 to 1945. Other themes focus on the responses of the victims and the role of the by-standers, as well as post-war politics of memory and other issues, including Holocaust denial and war crimes prosecution.

JCTC2607

Israel in the Modern Middle East

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hours of lectures, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY 1025, HSTY1031, HSTY1043, HSTY1044, HSTY1045 **Assessment:** 2000 word essay, 500 word synopsis of tutorial paper, 2 hour exam.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Israel's position in the modern Middle East and the wider world from state formation to the present has been shaped by social, political and economic processes. Study these processes in the context of the nature of Israeli society and the major foreign policy decisions taken by Israeli leaders. Topics to be studied include: the genesis and development of Zionism, democracy and religion in Modern Israel, post-Zionism, the role of the Holocaust in Israel, Jerusalem and the settlements.

JCTC2811

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

JCTC2812

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

JCTC2813

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

JCTC2814

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

JCTC2815

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

JCTC2816

Jewish Civilization Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Korean Studies

KRNS1621

Korean 1

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** KRNS1101 **Assessment:** Weekly assignments (200 words each), 2 oral tests (1000 words), 1 hour final written exam.

This unit is a comprehensive beginners course which will lay the foundation for acquiring oral, aural, reading and writing skills in Korean. Students will acquire oral communication skills based on the given grammar points and topics. Various communicative approaches will be employed for the class activities. Students are required to give group presentations during the semester. On the basis of grammar introduced, the reading and writing of short texts will be done in each week.

KRNS1622

Korean 2

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** KRNS1621 or KRNS1101 **Prohibitions:** KRNS1102 **Assessment:** Weekly assignments (200 words each), 2 oral tests (1000 words), 1 hour final written exam.

This unit is a comprehensive beginners course which will lay the foundation for acquiring oral, aural, reading and writing skills in Korean. Students will acquire oral communication skills based on the given grammar points and topics. Various communicative approaches will be employed for class activities. Students are required to give group presentations during semester. On the basis of grammar introduced, the reading and writing of short texts will be done in each week.

KRNS1631

Korean 9

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** Heritage speakers of Korean who have less than 2 years of formal education in Korean **Prohibitions:** KRNS1301 **Assessment:** 5 assignments (200 words each), major essay (1500 words), 2 hour final written exam

Note: Department permission required for enrolment .

This unit is specially designed for background speakers of Korean, largely for the improvement of their reading and writing skills. The reading texts used in the class will be mostly authentic materials from various sources, such as literary and non-literary essays, newspapers and magazine articles. For a given main reading text each chapter provides a complete list of words and expressions, comprehension exercises, discussion and composition sections. The discussion section gives students opportunities to discuss some contemporary social issues in Korean, while the composition section gives learners an opportunity to write something related to the topics discussed.

KRNS1632

Korean 10

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS1301 or KRNS1631 **Prohibitions:** KRNS1302 **Assessment:** 5 assignments (equivalent to 200 words each), major essay (1500 words), 2 hour final written exam.

Note: Department permission required for enrolment .

This unit is specially designed for background speakers of Korean, largely for the improvement of their reading and writing skills. The reading texts used in the class will be mostly authentic materials from various sources, such as literary and non-literary essays, newspapers and magazine articles. For a given main reading text each chapter provides a complete list of words and expressions, comprehension exercises, discussion and composition sections. The discussion section gives students opportunities to discuss some contemporary social issues in Korean, while the composition section gives learners an opportunity to write something related to the topics discussed.

KRNS1801

Korean Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

KRNS2621 Korean 3

Credit points: 6 **Teacher/Coordinator:** Dr Ki-Sung Kwak **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** KRNS1102 or KRNS1622 **Prohibitions:** KRNS2001 **Assessment:** 6 assignments (200 words each), two 15 minute oral tests (1000 words), 2 hour final written exam.

As an intermediate language unit, students are expected to gain extensive language skills in a diverse range of communicative settings. Interactive exercises and activities will provide students with opportunities to practice and improve their skills in speaking, reading and writing.

KRNS2622 Korean 4

Credit points: 6 **Teacher/Coordinator:** Dr Ki-Sung Kwak **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS2001 or KRNS1622 **Prohibitions:** KRNS2002 **Assessment:** 6 assignments (200 words each), two 15 minute oral tests (1000 words), 2 hour final written exam.

As an intermediate language subject, students are expected to gain extensive language skills in a diverse range of communicative settings. Interactive exercises and activities will provide students with opportunities to practice and improve their skills in speaking, reading and writing.

KRNS2671 Translation and Interpretation

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** KRNS1302 or KRNS1632 or native speakers of Korean **Prohibitions:** KRNS2400 **Assessment:** Continuous assessment, consisting of 6 tasks (equivalent to 400 words each), 2 hour final exam.

This unit aims at providing students with such useful skills in Korean language as translation and interpretation from Korean into English and vice-versa. The unit is divided into three modules: Korean-English translation, English-Korean translation and interpretation. Students will learn how to translate and interpret texts chosen from both print and audio-visual media from a wide range of fields, including society, culture, politics, economics, science and technology.

KRNS2672 Issues in Korean Language

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS1302 or KRNS1632 or native speakers of Korean **Prohibitions:** KRNS2515 **Assessment:** Class presentation (equivalent to 1000 words), 2000 word project report on an approved topic, 1 hour written exam.

This unit provides a detailed survey of issues related to the Korean language in relation to its social and cultural background. The major topics include its romanisation systems, historical development, writing systems, dialects and slang expressions, language use in the Internet, language and gender, and Korean as a foreign language. In addition to a semester-final examination, students will conduct a small project to tackle some sociolinguistic issues. Students are required to present the results of their project in the class and to submit a written report.

KRNS2681 Korean In-Country Study A

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Prerequisites:** KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631

Note: Department permission required for enrolment .

KRNS2682 Korean In-Country Study B

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Prerequisites:** KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631

Note: Department permission required for enrolment .

KRNS2811 Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

KRNS2812 Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

KRNS2813 Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

KRNS2814 Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

KRNS2815 Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

KRNS3621 Korean 5

Credit points: 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** KRNS2002 or KRNS2622 **Prohibitions:** KRNS3001 **Assessment:** Continuous class assessment, consisting of 8 assignments (200 words each), 2 oral tests (1000 words), 2 hour final written exam.

This unit aims to further develop oral and written communication skills beyond the intermediate level. Students will acquire fluency in oral communication, with particular emphasis on sophistication and formality of speech. Reading and writing skills are developed through the use of structured texts from the the prescribed textbook and selections of authentic reading materials from a range of sources.

KRNS3622 Korean 6

Credit points: 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS3001 or KRNS3621 **Prohibitions:** KRNS3002 **Assessment:** Continuous class assessment consisting of 8 assignments (200 words each), 2 oral tests (1000 words), 2 hour final written exam

This unit follows on from KRNS 3621 and is designed to extend the student's command of the Korean language beyond the level completed in the previous semester. Through readings of authentic works from Korean newspapers, magazines and academic texts, and structured discussions based on these materials, this unit will introduce students to a wide range of sentence patterns, enrich their vocabulary and enable them to read advanced texts independently.

Latin

LATN1001 Latin 1.1

Credit points: 6 **Teacher/Coordinator:** Dr Lindsay Watson **Session:** Semester 1 **Classes:** four 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** LATN1101 **Assessment:** one 2 hour exam, and assignments and tests (equivalent to 2000 words)

Latin 1001 requires no previous knowledge of Latin. Normally students who have completed the HSC (or equivalent) in Latin are not admitted. The aim of Latin 1001 is to provide students with a basic knowledge of the language. It caters for a wide variety of students, ranging from those who intend subsequently to proceed with Latin, to those who wish to have a background to their studies in other subjects in which a knowledge of Latin is valuable or indispensable - for example ancient history, classical archaeology, English, modern foreign languages, medieval literature, philosophy and history. Intending Honours

students: Latin1001-1002 students who are thinking of taking Honours in Latin should consult the Department during the year.

Textbooks

'Latine Discamus' available for purchase at the first lecture. A small or medium-sized Latin dictionary is recommended too.

LATN1002

Latin 1.2

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Watson **Session:** Semester 2 **Classes:** four 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** LATN1001 **Prohibitions:** LATN1102 **Assessment:** one 3 hour exam, and assignments and tests (equivalent to 2,000 words).

Latin 1002 takes further the basic grounding of Latin 1001. It caters for a wide variety of students, ranging from those who intend subsequently to proceed with Latin, to those who wish to have a background to their studies in other subjects in which a knowledge of Latin is valuable or indispensable -- for example ancient history, classical archaeology, English, modern foreign languages, medieval literature, philosophy and history. Intending Honours students: Latin 1001-1002 students who are thinking of taking Honours in Latin should consult the Department during the year.

Textbooks

'Latine Discamus' Part 2; available at first class. A small or medium-sized Latin dictionary is recommended too.

LATN1101

Advanced Latin 1.1

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Dexter Hoyos **Session:** Semester 1 **Classes:** three 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** HSC Latin Continuers **Prohibitions:** LATN1001 **Assessment:** one 2 hour exam, one 1500 word essay, exercises, assignments and tests (equivalent to 1000 words)

Works by two important authors will be studied. Lectures will deal with aspects of the author's style and language, with literary and historical background and with interpretational issues raised by the works as well as with problems of text and translation. The course also involves a weekly reading class to develop comprehension skills and a weekly language class.

LATN1102

Advanced Latin 1.2

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Watson **Session:** Semester 2 **Classes:** three 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** LATN1101 **Prohibitions:** LATN1002 **Assessment:** one 2 hour exam, one 1,500 word essay, and exercises, assignments and tests (equivalent to 1,000 words).

Works by two important authors will be studied. Lectures will deal with aspects of the author's style and language, with literary and historical background and with interpretational issues raised by the works as well as with problems of text and translation. The course also involves a weekly reading class to develop comprehension skills and a weekly language class.

LATN1801

Latin Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN1802

Latin Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN2603

Latin 2.1

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Watson **Session:** Semester 1 **Classes:** three 1 hour lectures per week **Prerequisites:** LATN1002 or LATN2312 or LATN2612 or LATN1102 **Prohibitions:** LATN2003 **Assessment:** assignments of 1000 words, one 1500 word essay, one 2 hour exam

Students will study a simplified version of Apuleius' folk-tale Cupid and Psyche in order to develop and refine their reading and comprehension skills or various Latin authors with a focus on literary

interpretation, historical background and sociocultural issues. Appropriate language study classes will be arranged.

LATN2604

Latin 2.2

Credit points: 6 **Teacher/Coordinator:** Dr Lindsay Watson **Session:** Semester 2 **Classes:** three 1 hour lectures per week **Prerequisites:** LATN2003 or LATN2603 **Prohibitions:** LATN2004 **Assessment:** assignments of 1000 words, one 1500 word essay, one 2 hour exam

Students will study two major Latin authors. The focus will be on developing reading, comprehension and interpretational skills and an awareness of generic and literary-historical issues.

LATN2605

Latin 2.3

Credit points: 6 **Teacher/Coordinator:** Ms Frances Muecke **Session:** Semester 1 **Classes:** two 1 hour lectures per week **Prerequisites:** 12 credit points of Latin **Corequisites:** 6 credit points of Latin at 2000 level **Prohibitions:** LATN2901 **Assessment:** one 2000 word essay, one 2 hour exam, classwork
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Students who have completed LATN1002 or LATN2312 or LATN2612 will study a number of important Latin authors, focusing on contextual and interpretational issues in understanding these works.

LATN2606

Latin 2.4

Credit points: 6 **Teacher/Coordinator:** Ms Frances Muecke **Session:** Semester 2 **Classes:** two 1 hour lectures per week **Prerequisites:** 12 credit points of Latin **Corequisites:** 6 credit points of Latin at 2000 level **Prohibitions:** LATN2902 **Assessment:** one 2000 word essay, one 2 hour exam
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit follows on from LATN2605 and focuses on the reading and interpretation of different authors.

LATN2611

Accelerated Latin 2.1

Credit points: 6 **Teacher/Coordinator:** Dr Lindsay Watson **Session:** Semester 1 **Classes:** three 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points including 12 credit points in Archaeology, Classical Civilisation / Studies, Classical Greek, Ancient History or Philosophy, or by permission. **Prohibitions:** LATN1001, LATN2301 **Assessment:** one 2 hour exam, assignments and tests (equivalent to 2000 words)

This unit is designed to allow students specialising in areas such as Ancient History to accelerate their knowledge of basic Latin at Senior level. No previous knowledge of Latin or other foreign languages is assumed, and all grammatical concepts encountered will be explained. The aim of the unit is to introduce the student to the basics of the Latin language and to Roman literature.

LATN2612

Accelerated Latin 2.2

Credit points: 6 **Teacher/Coordinator:** Dr Patricia Watson **Session:** Semester 2 **Classes:** four 1 hour lectures per week **Prerequisites:** LATN2302 or LATN2611 **Prohibitions:** LATN1002, LATN2302 **Assessment:** one 3 hour exam, exercises and assignments (equivalent to 2000 words)

This unit follows on from LATN2611. It builds on the basic knowledge already acquired and introduces further accidence along the way with most of the basic subordinate clause types and constructions. Increasing emphasis is placed on reading simple prose and verse texts. The specific goal of the unit is to accelerate the grasp of the basic tools for further study of the Latin language and Roman Literature and to improve skills in reading and writing Latin.

LATN2804

Latin Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN2805**Latin Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***LATN2806****Latin Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***LATN2810****Latin Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***LATN2811****Latin Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***LATN3607****Latin 3.1****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Dexter Hoyos **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 Senior credit points of Latin **Prohibitions:** LATN3005 **Assessment:** one 1000 word assignment, one 1500 word essay, one 2 hour exam

Two authors, dealing with an important era in the literature of Rome, will be studied, with a focus on literary interpretation and background, historical backdrop, sociocultural issues and generic considerations.

LATN3608**Latin 3.2****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Dexter Hoyos **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** LATN3005 or LATN3607 **Prohibitions:** LATN3006 **Assessment:** one 1500 word essay, one 1000 word assignment, one 2 hour exam

This unit follows on from LATN3607. Two Latin authors, different to those studied in LATN3607 and also dealing with an important era in the literature of Rome, will be studied, with a focus on literary interpretation and background, historical backdrop, sociocultural issues and generic considerations.

LATN3609**Latin 3.3****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Dexter Hoyos **Session:** Semester 1 **Classes:** one 2 hour lecture per week **Prerequisites:** 18 Senior credit points of Latin **Corequisites:** 6 credit points of Latin at 3000 level **Prohibitions:** LATN3903 **Assessment:** one 2000 word essay, one 2 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

A literary or other special subject will be studied with a related text or texts.

LATN3610**Latin 3.4****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Dexter Hoyos **Session:** Semester 2 **Classes:** one 2 hour lecture per week **Prerequisites:** 18 Senior credit points of Latin **Corequisites:** 6 credit points of Latin at 3000 level **Prohibitions:** LATN3904 **Assessment:** one 2000 word essay, one 2 hour exam*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

One literature or special topic will be studied. The topic will be advised.

Legal Studies (no major available)

SLSS1001**Introduction to Socio-Legal Studies****Credit points:** 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** class participation (10%), one 1500 word take-home exam (40%), one 3000 word essay (50%)*Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only*

This unit provides students with an introduction to the understanding of legal ideas, institutions and practices in their social and historical contexts. It will provide an historical overview of legal institutions and forms of law in Australia, the place of the idea of the rule of law in state-formation, liberalism, processes of civilization and colonialism, law and the public/private distinction, changing conceptions of human rights, as well as outlining the central features of the various fields of law.

Textbooks

Unit reader will be available through the Copy Centre

SLSS1003**Law and Contemporary Society****Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Robert van Krieken **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 500 word tutorial presentation, one 1500 word take-home exam, one 3000 word essay*Note: Available to Bachelor of Arts and Sciences only*

This unit provides an understanding of the central themes and issues in social scientific analyses of the operation of law in society. After briefly outlining the various ways in which social life is organised in terms of law, the unit will examine a range of key concerns in the development of legal ideas, institutions and processes today, including the increasing legal regulation of private life, law and science, human rights, the globalisation of law, terrorism, risk and security, law and social inequality and citizenship.

Linguistics

LNGS1001**Structure of Language****Credit points:** 6 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** LNGS1004, LNGS1005 **Assessment:** Ten short problem based assignments, each about 150 words, for a total of 1500 words; one 1 hour mid-term exam (equivalent to 1000 words); one 2 hour formal final examination (equivalent to 2000 words)

This unit is a comparative look at the general structure of human language. It looks at the sounds of human language: how the speech organs make them and their variety, in particular, a detailed description of English consonants and vowels and how to transcribe them. It investigates what is a possible word in English and other languages. It looks at the way speakers put words together to form sentences and how and why is English different from Japanese or even Irish.

Textbooks

Fromkin, V., Rodman, R., Hyams, N., Collins., Collins, P., Amberber, M. 2005. 'An Introduction to Language'. Fifth edition. Sydney: Harcourt.

LNGS1002**Language and Social Context****Credit points:** 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** Five 250 word short assignments (totalling 1500 words), one 1 hour midterm exam (1000 words) and one 2 hour final exam (2000 words)

This unit introduces the study of the interrelationship between language and society. It is concern with phenomena of language change and how that leads to varieties in a language. How are these varieties linked to social differences? What distinguishes male speech from female speech or what are the linguistic styles of different social

classes or ethnic groups? What is slang, or jargon, and what distinguishes a casual conversation from an interview?

Textbooks

Mesthrie, R., Swann, J., Deumert, A., Leap, W. 2000. 'Introducing Sociolinguistics'. Edinburgh University Press.

LNGS1005

Structure of English

Credit points: 6 **Teacher/Coordinator:** Dr A Mahboob **Session:** Semester 1 **Classes:** One 1 hour lecture, one 1 hour seminar and one 1 hour optional tutorial per week **Prohibitions:** LNGS1001, LNGS1004 **Assessment:** One 1 hour exam, various written assignments and one essay

This unit looks at the structure of English from the point of view of modern linguistics and focusses on written and spoken academic English. It will be especially valuable to non-native speakers of English in giving them an overview of how and why English works the way it does. Topics covered include: English vocabulary, phonetics; intonation; word types; count and mass nouns; verb types and sentence structures; auxiliary verbs and tense and mood; voice, topicality and information structure. Knowledge about the structure of English will be used to improve students' writing skills in collaboration with the Learning Centre.

Textbooks

Recommended readings:
Kuiper, Koenraad, and Allan, W. Scott. 2004. An introduction to English language : word, sound, and sentence. Houndmills [England]/New York: Palgrave Macmillan

LNGS1801

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

LNGS2601

Phonetics and Phonology

Credit points: 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour workshop/tutorial per week **Prerequisites:** LNGS1001 or LNGS1005 or LNGS1004 **Prohibitions:** KRNS2317, KRNS2318, LNGS2001 **Assessment:** Problem sets and two exams totally 6000 words

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The material studied in this course covers phonetic processes that occur in the languages and how they constrain the sound structure of languages. We discuss how the vocal tract works in speech production and learn the phonetic alphabet while looking at a cross linguistic survey of speech sounds as well as basic acoustic phonetics and spectrogram reading. We then turn to phonological analysis and argument and learn how phonological systems are structured and what common patterns of alternation and change are found.

Textbooks

Peter Ladefoged 2000 Vowels and Consonants Blackwells

LNGS2602

Syntax

Credit points: 6 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour workshop per week **Prerequisites:** LNGS1001 or LNGS1005 or LNGS1004 **Prohibitions:** LNGS2002 **Assessment:** Five problem sets, totalling equivalent 2500 words and one 2 hour examination - consisting of problems (equivalent 2000 words)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Syntax deals with how we combine words into phrases, clauses and sentences and how we understand these combinations. Syntax is almost purely internal to language and plays a major role in organising the language system. We look at syntactic concepts in English, languages of Europe and Asia, and those of small traditional communities around the world. Using a problem solving approach, we develop explicit models to describe syntactic phenomena that allow generalisations leading to testable predictions about possible structures.

Textbooks

Tallerman, M. 2005. 'Understanding Syntax'. Second edition. Oxford: Hodder Arnold

LNGS2603

Functional Grammar

Credit points: 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour workshop per week **Prerequisites:** One of ENGL1000, ENGL1005, ENGL2619, ENGL2647, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, LNGS2601, LNGS2602, LNGS2604, MECO1001, MECO1003 **Prohibitions:** LNGS2003 **Assessment:** Four 500 word term assignments and one 2 1/2 hour exam

This unit takes a functional view of grammar, considering the ways in which English is organised to build up our picture of reality, to enable us to interact in conversation and to make our contribution coherent and relevant. It is designed to give students analysis skills in the analysis of ideational, interpersonal and textual meaning in the clause, the nature of inter-clausal relations, and the structure of nominal, verbal and adverbial groups and prepositional phrases.

Textbooks

Geoff Thompson, Introducing Functional grammar.

LNGS2604

Discourse Analysis

Credit points: 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour workshop per week **Prerequisites:** One of ENGL1000, ENGL1005, ENGL2619, ENGL2647, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, LNGS2601, LNGS2602, LNGS2603, MECO1001, MECO1003 **Prohibitions:** LNGS2004 **Assessment:** Four 500 word term assignments and one 2500 word essay

This unit of study provides an introduction to discourse analysis, which is concerned with the way in which texts are organised in relation to their social context. In linguistics, the term 'discourse' covers both a) the organisation of linguistic units above the sentence level (cohesion), and b) language in use or context (register and genre). The course will include analysis of texts combining language with image, from the perspective of critical discourse analysis.

Textbooks

J R Martin & David Rose, Working with Discourse.

LNGS2616

Historical Linguistics

Credit points: 6 **Teacher/Coordinator:** Dr I Smith **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** LNGS2001 **Assessment:** Problem sets and two in-class exams totalling 6000 words

This unit looks at the mechanisms of change within a particular language as well as across groups of related languages. This raises the question of how languages can be related: whether through sharing a common ancestor; by being in contact for a long time or by being consciously planned. In each instance we must either rely on knowledge we can gain from languages still in use or on records of extinct languages or earlier stages of existing languages. Because the records are often sparse it becomes necessary to reconstruct earlier stages and the unit provides the tools for undertaking a reconstruction. Once we reconstruct a common ancestor language we are then able to make inferences about the culture of the people who spoke it as well as where they lived and how they moved about. Each level of linguistic structure is relevant to the study of language change so that the unit considers how sounds systems change over time as well as changes in meanings and grammatical systems.

Textbooks

Campbell, Lyle. 2004. Historical Linguistics, an introduction, second ed. Cambridge, Mass: MIT Press.

LNGS2617

Cross-Cultural Communication

Credit points: 6 **Teacher/Coordinator:** Dr I Piller **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** Either (two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005) or (Credit average in 12 Senior credit points from one of the foreign languages (French, Japanese, Chinese, Italian, Arabic, Spanish, German, Latin, Modern Greek, Ancient Greek, Indonesian, Malay, Korean, Thai, Yiddish, Hebrew, Syriac, Aramaic, Sanskrit, Thai)) **Prohibitions:** LNGS3903, LNGS3923 **Assessment:** Assignments totalling 5000 words, including a group research project.

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.

LNGS2805

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

LNGS2806

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

LNGS2809

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

LNGS2810

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

LNGS2811

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek

approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

LNGS2812

Linguistics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

LNGS3601

Semantics and Pragmatics

Credit points: 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 1

Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** One of LNGS2602, LNGS2603 [or LNGS2002, LNGS2003] **Prohibitions:** LNGS3026, LNGS3006 **Assessment:** Two 2500 word assignments and one 1000 word class presentation

Note: Compulsory for Honours students; other students may select as an option. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Semantics deals with the meaning of words, phrases, sentences and texts, and the relations between those meanings. Pragmatics deals with how speakers use context and shared information to convey information additional to the semantic content of what they say, and with how hearers make inferences on the basis of this information. Our goal is to explore the diversity of ways in which meaning can be expressed linguistically in different languages, as well as of what constitutes evidence for meaning.

Textbooks

Recommended readings:

Frawley, William. 1992. *Linguistic semantics*. Hillsdale, New Jersey: Lawrence Erlbaum Associates.

LNGS3602

Modern Theories of Grammar

This unit of study is not available in 2007

Credit points: 6 **Teacher/Coordinator:** Professor William Foley **Classes:** one 2 hr seminar **Prerequisites:** LNGS2601 and LNGS2602 [or LNGS2001 and LNGS2002] **Prohibitions:** LNGS3024, LNGS3004 **Assessment:** 2,000 word paper [this may be staged to include abstract preparation and bibliographic work, and to incorporate revision on the basis of feedback from this and from the tutorial paper which may include peer feedback] tutorial paper (equiv. 1,000 words) 3 assignments, each ca. 1,000 words

We examine the construction of a linguistic theory of grammar through close examination of a particular theory of grammar, formal or functional. We consider how the theory accommodates properties such as the formal and functional properties of grammars, constituency, configurationality, grammatical functions, anaphora and cohesion, clause linkage, the division of labour between the lexicon, morphology and syntax. We test the assumptions and hypotheses of the theory with respect to data from different languages.

LNGS3604

Field Methods

Credit points: 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 1

Classes: One 2 hour seminar and a 1/2 hour hour consultation per week **Prerequisites:** Credit average in 18 senior credit points of Linguistics including three of: LNGS2601 (or LNGS2001), LNGS2602 (or LNGS2002), LNGS2603 (or LNGS2003) or LNGS2604 (or LNGS2004) **Prohibitions:** LNGS3925 **Assessment:** Two 1500 word assignments and one 3000 word assignment

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Techniques for eliciting, recording and analysing linguistic data collected from a speaker of a previously undescribed language. Formal elicitation of individual words and simple phrases. Analysis of the phonology and basic morphology of the language. Text collection. Individual focus on some aspect of the phonological, lexicogrammatical or semantic system of the language.

Textbooks

Recommended readings:
Newman, Paul, and Ratliff, Martha eds. 2001. *Linguistic fieldwork*. Cambridge; New York: Cambridge University Press.

LNGS3690

Issues in Theoretical Linguistics

Credit points: 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit average in 18 senior credit points of Linguistics. The units must include LNGS2601 [or LNGS2001], and at least one of LNGS2602, LNGS2002, LNGS2003 and LNGS2603 **Prohibitions:** LNGS3914 **Assessment:** One 4000 word paper [this may be staged to include abstract preparation and bibliographic work, and to incorporate revision on the basis of feedback from this and from the tutorial paper which may include peer feedback] and one 2000 word tutorial paper

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit introduces students to the methods of linguistic argument through careful study of a current debate in theoretical linguistics. Students learn to identify and assess the underlying assumptions, to work out what evidence would confirm or disconfirm the hypotheses made by different parties in the debate, and to draw conclusions as to which hypotheses are more likely to be useful or correct. They also learn to situate the debate within the wider contexts of linguistic theories and language description. Students are asked to contact staff members to discuss potential topics.

LNGS3699

Linguistics Research Issues

Credit points: 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 1, Semester 2 **Classes:** Two 1 hour lectures per week **Prerequisites:** Credit average in 18 senior credit points in linguistics, including at least 2 of LNGS2601, LNGS2001, LNGS2602, LNGS2002, LNGS2603, LNGS2003, LNGS2604, LNGS2004. **Prohibitions:** LNGS3940 **Assessment:** One 6000 word research paper which will be done in stages and reported on through each stage and presented formally in seminar

Note: Department permission required for enrolment.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This seminar aims to prepare students for research in linguistics through critical reading and discussion of current issues and approaches in research and criticism, focussing on a particular subfield of linguistics.

Media and Communications

MECO1001

Australian Media Studies

Credit points: 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 1500 word essay (30%); One 1500 word essay (40%); one 2 hour exam (30%)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit offers an introduction to the history and theory of media and communications studies. Students will gain a foundation in key concepts, methodologies and theorists in the field. They will also explore the interdisciplinary roots of media and communications studies and acquire basic research skills. By the end of the unit students should be familiar with major shifts in the history and theory of media and communications studies and with basic concepts and methodologies in the field.

Textbooks

It is recommended that students purchase a reader from the Copy Centre.

Recommended Reading:

Alan McKee, *Textual Analysis: A Beginner's Guide*, SAGE London. 2003

MECO1003

Principles of Media Writing

Credit points: 6 **Teacher/Coordinator:** A/Prof C Lumby **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 400 word news story (20%); one 500 word colour news story (20%); one 700 word broadcast script (20%); and one 2 hour exam (30 %)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit will give students foundational skills in writing for the print and broadcast media. Students will learn the elements of journalistic style, how to structure news and feature articles, how to script basic broadcast and online news, and be introduced to the principles of interviewing and journalistic research.

Textbooks

Course reader;

Recommended readings:

David Conley, *The Daily Miracle: An Introduction to Journalism*, Oxford University Press, Melbourne, 1997; Style, News Custom, 2005.

Graeme Turner and Stuart Cunningham, *Media and Communications in Australia*, Allen and Unwin, Sydney, 2006; Style, News Custom, 2005

MECO2601

Radio Broadcasting

Credit points: 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO2001 **Assessment:** One radio news exercise, one production diary, radio scripts and final work (equivalent 2500 words) and one 2 hour exam

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit is designed to introduce students to the history, nature and contemporary status of radio. It specifically considers such concepts as news values and the role of the Internet in audio broadcasts. Students will also apply critical analytical approaches to radio and online broadcast texts. Practically, the unit offers an introduction to radio presentation and production, using professional quality digital audio recording and editing facilities.

Textbooks

Phillips, G and Lindgren, M (2002) *Australian Broadcasting Journalism Manual*, 2nd edn., Oxford University Press.

It is recommended that students purchase a reader from the Copy Centre

MECO2603

Media Relations

Credit points: 6 **Teacher/Coordinator:** Dr R Stanton **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO2003 **Assessment:** 4000-4500 words of practical assignments

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit of study will examine the relationships between stakeholders with an interest in public communication including the environmental groups, media, the corporate sector, government, not for profit industries and health and community relations. This unit provides an overview of media relations theory including issue framing, agenda setting, and co-relational development. It examines image, reputation and relationship building. Students learn to develop a media relations campaign strategy, budget and timeline, using tactical approaches for successful media relations. Students will learn to identify controlled and uncontrolled media, set research priorities and objectives and framing a client response.

Textbooks

Recommended Reading:

Newsom, D., VanSlyke Turk, J., Kruckeberg, D., This is PR: The realities of public relations, Belmont, CA: Wadsworth/Thomson Learning, 2004.

MECO2805

Media and Communications Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO2806**Media and Communications Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .*

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO2807**Media and Communications Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .*

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO2808**Media and Communications Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .*

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO3601**Video Production**

Credit points: 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 2
Classes: One 2 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005)
Prohibitions: MECO3001 **Assessment:** Individual 90 second News Piece; Group produced video; weekly Production Report; Reflection statement; 2 hour exam **Practical field work:** This unit will involve substantial group video production project work outside of class time.

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This is an introduction to the theory and practice of digital video production, with a strong practical component, emphasizing information-based programming (news, current affairs, corporate video, documentary and infotainment). Students will be expected to produce short video items individually and in groups, using professional standard desktop editing software.

Textbooks

There is a recommended Reader, available from the University Copy Centre.

Supplementary text:

Martha Mollison, Producing Videos: A Complete Guide. 2nd edition. AFTRS/Allen & Unwin: Sydney, 2003.

MECO3602**Online Media**

Credit points: 6 **Teacher/Coordinator:** Ms K Crawford **Session:** Semester 2
Classes: One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005)
Prohibitions: MECO3002 **Assessment:** Group produced web site (50%); one individual production essay (20%); one two hour exam (30%); one web site proposal (Pass/Fail) **Practical field work:** This unit will involve substantial group web site production project work outside of class time.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

This unit will examine the role of the Internet, new media and the way the web is changing the media landscape. It explores the development

and growth of the Internet, and provides a critical framework in which to understand the current industry. By the end of the unit, students will be familiar with key theoretical and cultural issues in online media, and will engage in both offline and online analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will develop their own web sites.

Textbooks

There is a reader of key articles, available from the University Copy Centre.

There is also one textbook:

Flew, Terry (2005), 'New Media:An Introduction'. 2nd Edition. Melbourne:Oxford University Press.pp280. ISBN 0195550412.

MECO3603**Media, Law and Ethics**

Credit points: 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 1
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005)
Prohibitions: MECO3003 **Assessment:** One 2000 word essay (40%), one 2 hour exam (40%) and one Web CT Posting (20%)

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

MECO3603 will introduce students to the area of Media Law and Ethics through discussion of key legal, ethical, and cultural 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 those aspects of the law that impinge on the work of media professionals.

Textbooks

There is a Reader of key articles, available from the University Copy Centre.

There are also two textbooks:

Catharine Lumby and Elspeth Probyn, Eds. Remote Control: New Media, New Ethics, Cambridge University Press, Melbourne, 2003.

Mark Pearson, The Journalist's Guide to Media Law: Dealing with Legal and Ethical Issues. 2nd Edition. Allen and Unwin, Crows Nest, 2004. (New edition forthcoming)

MECO3605**Media Globalisation**

Credit points: 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005)
Prohibitions: MECO3005 **Assessment:** One 2000 word essay (40%); tutorial presentation/debate (20%) and one 2 hour exam (40%)

Note: Available to BA (Media and Comm) and, subject to departmental approval, students undertaking a major in Cultural Studies.

This unit aims to demonstrate the complexity of media globalisation and to examine in depth some of the common assumptions associated with the term. While the unit will consider the impact of global market forces (i.e. cheap labour in developing countries, environmental issues, etc), it is interested in the dynamics of globalisation more generally, and media globalisation more specifically. Students can expect to appreciate that media globalisation is a complex proposal that involves formats, localisation, symbolic currency and negotiation.

Textbooks

It is recommended that students purchase a reader from the Copy Centre.

Recommended Reading:

Stuart Cunningham and Graeme Turner (Ed.), The Media and Communications in Australia, Allen & Unwin, Sydney, 2002

MECO3606**Advanced Media Writing**

Credit points: 6 **Teacher/Coordinator:** A/Prof C Lumby **Session:** Semester 2
Classes: One 1 hour lecture and one 2 hour workshop **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO3006 **Assessment:** 2000 words of print media writing assignments (60%) and one 2 hour exam (40%)

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

This unit of study will build on foundational writing, research and interviewing skills acquired in MECO1003 Principles of Media Writing.

The focus will be on writing for print media and will emphasise advanced feature and opinion writing genres. Students will also study the history of print media genres and consider theoretical issues relevant to feature writing.

Textbooks
Course reader

MECO3609

Critical Practice in Media

Credit points: 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** 42 senior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNSG1005 for students who commenced prior to 2005) **Assessment:** One 6000 word research project. This may either take the form of an essay or a mixed project comprising a media production plus written work.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

This unit of study is designed to draw together the key elements of theoretical and practical knowledge and skills that students have acquired in their media and communications studies. Using historical, cultural and industry-based frameworks and case studies, this unit of study will assist students to better understand the relationship between theory and practice in the field and assist them to become critical practitioners. By the end of the unit, students will be able to identify key debates around the relationship between theory and practice and demonstrate an awareness of how critical thinking and media production are capable of mutually informing each other in practice.

Textbooks
Recommended Reading:
Katz, E., Durham Peters, J., Liebes, T. and Orloff, A. (eds), *Canonic Texts in Media Research*, Cambridge: Polity, 2003.

MECO3671

Media and Communications Internship

Credit points: 6 **Teacher/Coordinator:** Ms I Blue **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** There are no lectures, but attendance may be required at a programme of industry talks. **Prerequisites:** 30 senior credit points of MECO, including MECO3603. Students may not enrol in MECO3671 prior to the second semester of their 3rd year. **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

The internship consists of a work placement comprising a minimum of 20 working days in a media organisation, assisted and supervised by both the workplace and the department. Placements may include print, broadcast, online and new media, public relations and advertising organisations. Students will be required to present a 2000 word journal recounting their experiences during the internship. The internship and internship journal are assessed on a satisfactory/unsatisfactory basis.

MECO3672

Internship Project

Credit points: 6 **Teacher/Coordinator:** Ms I Blue **Session:** Semester 1, Semester 2, Winter Main **Prerequisites:** 30 senior credit points of MECO, including MECO3603. Students may not enrol in MECO3672 prior to the first semester of their 4th year. **Corequisites:** MECO3671 and MECO3002 and MECO3003 (4th years) or MECO3671 and MECO3602 and MECO3603 (3rd years) **Prohibitions:** MECO3701, MECO3702 **Assessment:** One 4000 word research essay

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

This unit is based around the production of a 4000 word research essay arising from issues encountered during the internship. Students are required to attend a minimum of four seminars, which they will direct (in the presence of the unit co-ordinator) to discuss and refine their research approaches and questions. Students will also need to provide documentation of their research question and approach before submitting their essay.

Textbooks
Stokes, Jane (2002) *How to do Media and Cultural Studies*, London: Sage

Medieval Studies

MDST2601

Written Record of the Middle Ages

Credit points: 6 **Teacher/Coordinator:** Coordinator: A/Prof J Pryor **Session:** Semester 1 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** At least 18 junior credit points from List A of the Table of units of study, of which 12 credit points are from one subject. **Assessment:** Two 1500 word essays plus a 1500 word "Thematic Essay" or 1500 word take-home exam

Note: This unit of study may be counted towards majors in History and English.

Examines medieval European traditions of the written record in documents and books. Addresses the movement from oral to written tradition; literacy and the languages of written record; functions of writing in administration, law, intellectual pursuits; the social contexts of writing. Introduces medieval manuscripts of various kinds, palaeography and diplomatic, relationships between written texts and music and art.

Textbooks
The course guide is posted on the web site of the Centre for Medieval Studies at: <http://www.arts.usyd.edu.au/Arts/departs/medieval/>.

MDST2608

The First Crusade

Credit points: 6 **Teacher/Coordinator:** A/Prof J Pryor **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points from part A of the Table of units of study of which 12 credit points are from one subject. **Prohibitions:** MDST2008 **Assessment:** Two 1500 word essays and a take-home exam of 1500 words

Note: This unit of study may be counted towards a major in History

Examines the Origins of the First Crusade and its impact on the Byzantine and Muslim worlds, social, economic, political, religious, and cultural conflicts and interactions leading up to the First Crusade. Issues examined include the problematical nature of the sources; the historical development of the three great faiths; religious attitudes to adherents to other faiths; Muslim jihad and Christian holy war; concepts of state; political institutions; social and economic contacts; the conduct of war by land and sea (including the critical issue of logistics); and intellectual contacts and influences.

Textbooks
The course guide is made available on the web site of the Centre for Medieval Studies at: <http://www.arts.usyd.edu.au/Arts/departs/medieval/>
Students are expected to down-load the course guide from the web site or to photocopy the hard copy kept in the General Office of the School of English, Art History, Film and Media.
There is no Course Reader for this course

MDST2610

Medieval Cosmology

Credit points: 6 **Teacher/Coordinator:** Dr D Juste **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** At least 18 junior credit points from Part A of the Table of units of study, of which 12 credit points are from one subject. **Assessment:** One 2000 word essay and one 4000 word essay

Note: This unit of study may be counted towards a Major in History.

This unit examines the conception and various representations of the cosmos in Western Europe from the early Middle Ages (c.500) to the scientific revolution (c.1700). Cosmology is here taken in its broadest sense, including both the celestial and terrestrial worlds and their interrelationships. Sources to be discussed include cosmological, astronomical, geographical, astrological and magical Latin texts (in English translation) as well as iconographical material (celestial and terrestrial maps, illuminated manuscripts, paintings, engravings, frescoes, etc.).

MDST3601

Medieval Latin Literature and Culture

Credit points: 6 **Teacher/Coordinator:** Dr J Ruys **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** At least 18 junior credit points plus Latin 1.1 (LATN1001) and Latin 1.2 (LATN1002) OR Accelerated Latin 2.1 (LATN2611) and 2.2 (LATN2612) OR HSC Latin Continuers **Assessment:** Two 1000 word exercises, one 1 hour exam and one 3000 word essay

Note: NB: This unit of study may be counted towards a major in Ancient History.

Medieval Latin was the lingua franca of the Western Europe Middle Ages (AD 500-1500). This senior unit of study will introduce students who already have a reading knowledge of Classical Latin to the language and literature of Medieval Latin. Focus will be placed on developing a reading knowledge of Medieval Latin texts, in both edited and manuscript form, and on developing an understanding of the broad generic range of Medieval Latin literature and its associated intellectual (scholastic, ecclesiastical, pedagogic) culture.

Textbooks

Recommended readings:

Medieval Latin: An Introduction and Bibliographical Guide, ed. F.A.C. Mantello and A.G. Rigg (Washington, DC: The Catholic University of America Press, 1996).

Keith Sidwell, Reading Medieval Latin (Cambridge: Cambridge University Press, 1995).

Modern Greek

MGRK1601

Junior Modern Greek 1

Credit points: 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** MGRK1101 **Assessment:** Continuous assessment (class exercises) equivalent to 2500 words, 2 hour exam.

Practical language classes for students who have very little or no prior knowledge of Greek. The unit is based both on communicative methodology and a functional approach to language. By using the Greek language in a range of contexts, students will develop spoken communication (speaking and listening) skills and to a lesser extent written communication (reading and writing) skills.

Textbooks

Supplied through the department.

MGRK1602

Junior Modern Greek 2

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** MGRK1101 or MGRK1601 **Prohibitions:** MGRK1102 **Assessment:** Continuous assessment (class exercises) equivalent to 2500 words, 2 hour exam.

This unit is a continuation of MGRK1601. It aims at strengthening students' oral communication skills and developing further their written skills. Having completed MGRK1602, students in their second year will normally enter MGRK2601.

Textbooks

Supplied through the department.

MGRK1621

Junior Modern Greek 3

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency as determined by the department **Prohibitions:** MGRK1101, MGRK1501, MGRK1401 **Assessment:** 1000 word assignment, continuous assessment consisting of 6 tasks equivalent to 1500 words, 2 hour exam, class participation.

This unit revises and consolidates the main structures of Greek grammar and syntax and provides an overview of recent Greek history. The language component focuses on developing writing and reading skills by introducing students to the essential morphological structure of the Greek language. The history component offers an insight to some of the most important issues of Greek history since the enlightenment.

Textbooks

Supplied through the department.

MGRK1622

Junior Modern Greek 4

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** MGRK1621 or MGRK1401 or equivalent language proficiency as determined by the department **Prohibitions:** MGRK1101, MGRK1102, MGRK1402 **Assessment:** 1000 word assignment, continuous assessment consisting of 6 tasks (grammar exercises and compositions) equivalent to 1500 words, 2 hour exam.

The unit is a continuation of MGRK1601. Enrolment to this unit without completion of MGRK1601 is possible after consultation with the chair of the department.

MGRK2601

Senior Modern Greek 1

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 2 hours language and 2 hours cultural and historical survey per week **Prerequisites:** MGRK1102 or MGRK1602 or special permission by the department **Prohibitions:** MGRK1501, MGRK2001 **Assessment:** 1000 word assignment, continuous assessment (language exercises and class tests) equivalent to 1000 words, 1 hour exam.

The core of this unit is practical language segments aimed particularly at developing skills of listening, speaking and writing. It also provides introductory lectures on the history and culture of speakers of Greek in the post-classical world. Political and social developments described in lectures will be linked to the reading of texts, some in Greek, illustrating how Greek culture and literature have reacted to historical change and ideological repositioning.

Textbooks

Supplied through the department.

MGRK2602

Senior Modern Greek 2

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 2 **Classes:** 2 hours language and 2 hours cultural and historical survey per week **Prerequisites:** MGRK2001 or MGRK2601 or special permission by the department **Prohibitions:** MGRK1502, MGRK2002 **Assessment:** 1000 word assignment, continuous assessment (language exercises and class tests) equivalent to 1000 words, 2 hour exam.

This unit is a continuation of MGRK2601, and builds upon the knowledge and skills acquired during Semester 1.

Textbooks

Supplied through the department.

MGRK2603

Style and Expression

Credit points: 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department **Prohibitions:** MGRK2203 **Assessment:** 4 compositions and 4 exercises (equivalent to 2500 words), 2 hour exam.

The unit builds on the structures analysed in MGRK1604 and MGRK2602. Its particular purpose is to develop students' ability to write substantial continuous passages of Greek, concentrating on different methods for the effective building of clauses into sentences and sentences into paragraphs.

Textbooks

Supplied through the department.

MGRK2604

Comparison of Greek and English

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 1 hour lecture and two 1 hour tutorials per week **Prerequisites:** MGRK1402 or MGRK2002 or MGRK1622 or MGRK2602 or special permission by the department **Prohibitions:** MGRK2204 **Assessment:** 2500 word essay, other written assignments (1000 words), class presentation (1000 words).

Students' ability to discuss language for analytical and teaching purposes is enhanced in this unit by comparative examination of patterns found in Greek and English. The necessary linguistic terminology is introduced in both languages. There is also practical concentration on translation between the languages in areas of special cultural significance: humour, wit, newspaper writing, proverbs, practical jokes, etc.

Textbooks

Supplied through the department.

MGRK2605

Theory and Practice of Translation B

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** MGRK1202 or MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission

by the department **Prohibitions:** MGRK3211 **Assessment:** Continuous assessment (500 words), 2 class tests (2000 words), 2000 word essay.

This unit is a continuation of MGRK3210 with specific emphasis on the reverse translation from English to Greek. Its main focus is the study of translating strategies of specialised texts and explains changes in their structure. Students are expected to learn how translation works as a semantic transition from one language to the other and be able to understand the necessary changes they must introduce during the translation process in order to make the text semantically functional in Greek.

MGRK2622

The Other Road to Greek Modernity

Credit points: 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from one subject, or special permission by the chair of department **Prohibitions:** MGRK2501 **Assessment:** Class presentation, 3000 word essay, take home exam.

This unit examines attempts to modernise Greek Literature at the beginning of the 20th century by C.P. Cavafy, K. Karyotakis and other poets, together with a new trend in Greek criticism put forward by T. Agras and K. Paraschos. These efforts were later overshadowed and marginalised by the dominant discourse of Greek Modernism, which is associated with the group known as the Generation of the 1930's. Parallels are drawn with the European literary context and relevant developments in Greek political life.

MGRK2633

Social Norms/Stereotypes in Greek Cinema

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from one subject, or special permission by the chair of department **Prohibitions:** MGRK2513 **Assessment:** 3000 word essay, class presentation, take home exam.

This unit examines a number of the most important Greek films of the last fifty years that give insight into developing views of Greek society. It explores gender representations, social mobility, feminist issues, value systems, significant historical events, sex roles and attitudes towards outsiders. It also discusses stereotyping and ideological constructs, and investigates the relationship between cinematic technique and cultural meaning.

Textbooks

Consult the department

MGRK2655

Modern Greek Art

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** At least 18 junior credit points from Part A of the table of units of study, of which 12 points are from one subject; or permission by the chair of department **Prohibitions:** MGRK2506 **Assessment:** Class presentation (equivalent to 1000 words), 3000 word essay, take-home exam (equivalent to 2000 words).

What happened to Greek artists after the Fall of Constantinople in 1453? Did they all become cultural refugees, like El Greco and created their masterpieces in other cultures? But then what happened to all those who stayed behind and established the modern Greek state in 1821? This unit examines the development and the physiognomy of modern Greek art from the establishment of the Modern Greek state to this day. Movements, individual artists and theorists are discussed in their chronological sequence and contextualised within the framework of Greek society.

MGRK2676

New Testament Greek and its World B

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 1 hour lecture and two 1 hour tutorials per week **Prerequisites:** 12 Junior credit points in any subject. **Prohibitions:** MGRK2526 **Assessment:** 2500 word essay (2500 words), other written assignments (1000 words), class presentations (1000 words).

This unit examines the language, the world and the ideas of the New Testament based mainly on the structural analysis of its Epistles. It explores the language forms and the value systems contained in these texts through studying the linguistic layers determining their reception and interpretation. Tutorials are dedicated to the language itself whereas lectures are exclusively focused to the semantic (theological, philosophical and psychological) analysis of texts.

MGRK2691

Sociolinguistics in the Greek Diaspora

Credit points: 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit or above in MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department **Prohibitions:** MGRK2904 **Assessment:** 2 presentations (750 words each), 2000 word essay, take home exam (2500 words).

Note: Department permission required for enrolment.

This unit will examine Greek bilingualism from a historical and sociolinguistic perspective, including a brief comparative study of Katharevousa, its phonetics, morphology and syntax. This unit will also look at sociolinguistic aspects of bilingualism in relation to Greeks of the diaspora.

Textbooks

Supplied through the department.

MGRK2811

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2812

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2813

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2814

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2815

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Music

MUSC1501

Concepts of Music

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Winsome Evans **Session:** Semester 2 **Classes:** 2 hour lecture & 1 tutorial/wk **Prerequisites:** At least 67% in the NSW HSC Music 2 or 3-unit Music Extension or the equivalent skills as determined by the Department of Music. **Prohibitions:** MUSC1503, MUSC1504 **Assessment:** Seven composition exercises (60%), two aural tests plus class work assessment in weekly aural tutorials (40%).

Note: The Department holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses yet believe they have the equivalent aural and harmonic skills to attend Concepts of Music, please phone the department for details by the end of February.

Research-based analysis of fundamental compositional concepts in a wide range of Western and non-Western musical styles (classical, popular, traditional, etc.) in order to complete set exercises in musical composition, complemented by integrated aural tutorials. The course will focus on aspects of melody, harmony and rhythm. All exercises are to be presented in neat, hand-written notation in book format.

MUSC1503**Fundamentals of Music I**

Credit points: 6 **Teacher/Coordinator:** Professor Anne Boyd **Session:** Semester 1 **Classes:** 1 lecture & 2 tutorials/wk **Prohibitions:** MUSC1501 **Assessment:** Four written assignments (15% each), three aural in-class assessments (30%), attendance and participation (10%)

An introduction to basic music literacy skills, including the ability to read and write music and an understanding of fundamental aspects of its structure and composition. The material covered in this course ranges from elementary skills such as the system of Western music notation through to advanced skill such as four-part vocal writing and melodic dictation.

MUSC1504**Fundamentals of Music II**

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 1 lecture & 2 tutorials/wk **Prohibitions:** MUSC1501 **Assumed knowledge:** Material covered in MUSC1503. Students interested in taking this course who have not completed MUSC1503 must see the lecturer beforehand to ascertain that they have the required knowledge. **Assessment:** Four written assignments (15% each), tutorial attendance (10%), aural tests in tutorials (30%).

A more advanced exploration of music literacy skills. The material covered in this course ranges from the broad to the specific: from an examination of musical elements and the way they are used in a variety of musical genres through to specific compositional aspects such as advanced four-part writing or features of melodic writing in different musical cultures.

MUSC1506**Music in Western Culture**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Nicholas Routley **Session:** Semester 1 **Classes:** 2 x 1hr lecture & 1 tut/wk **Assumed knowledge:** The ability to follow a musical score while listening to the music and some prior knowledge of elementary music theory. **Assessment:** Tutorial work (40%), 2000 word essay (40%), 60 minute exam (20%)

An historical study of Western music from the Classical Greeks to the present day focussing upon the problems of canon formation and the impact of music notation upon musical performance and composition throughout the ages. Analytical study of a number of works by major composers shows how musical meaning is constructed in relation to the development of tonality and other stylistic conventions.

MUSC1507**Sounds, Screens, Speakers: Music & Media**

Credit points: 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 1 **Classes:** 2hr lecture & 1 tut/wk **Assessment:** Two 500 word assignments; result of individual analysis and one 3000 word assignment; result of individual research.

Music has been dramatically shaped and reshaped by every major change in communications technology in the 20th century from vinyl discs to MP3s. In this unit of study we will analyse such issues as the ways in which the early recording industry transformed jazz, the blues and country music, how the presentation of music on radio and television changed how the music industry created new musical celebrities, and the challenges the music industry faces as digital technology transforms the creation, distribution and consumption of music.

MUSC2612**Arts Music Concert Performance 1**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Winsome Evans **Session:** Semester 1 **Classes:** 3 hour tutorials/week **Prerequisites:** 18 junior credit points in no more than two subject areas, AND audition (contact the department one week before semester begins) **Prohibitions:** MUSC2012 **Assessment:** (1) 40 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) programme notes (750 words)

Note: Department permission required for enrolment.

Performance on any instrument, in any style (classical, jazz, pop, traditional etc.) in lunch-time concerts in the Great Hall and the Old Darlington School. Students receive a written report, an advisory

interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC2612 and MUSC2613 be taken over two consecutive semesters.

MUSC2613**Arts Music Concert Performance 2**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 2 **Classes:** 3 hour tutorials/week **Prerequisites:** MUSC2612 **Prohibitions:** MUSC2013 **Assessment:** (1) 45 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) programme notes (750 words)

Performance on any instrument, in any style (classical, jazz, pop, traditional etc.) in lunch-time concerts in the Great Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC2612 and MUSC2613 be taken over two consecutive semesters.

MUSC2614**Composition Workshop 1**

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 2 hour workshop/week **Prerequisites:** 12 junior credit points in music. **Prohibitions:** MUSC2610 **Assessment:** Attendance and participation in classes and concerts (20%), Submitted compositions, scores and recordings (70% equivalent to 5000 words), Programme notes and other aural and/or written presentations (10% equivalent to 1000 words)

An open forum in which students are given an opportunity in a supervised environment to hear their original compositions rehearsed and performed, usually by other participating students. The workshops are themed around particular genres and musical techniques which vary from semester to semester. eg. Music Theatre; drone-based compositions; song-writing; sound and rhythm; creating a sound space; media composition etc. The workshop encourages public performance term concerts of new music composed by workshop participants and acts as a forum for lectures from visiting composers and other music industry specialists.

MUSC2615**Advanced Concepts**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 1 **Classes:** 2 hour lecture & 1 tutorial/week **Prerequisites:** MUSC1501 or MUSC1504 **Prohibitions:** MUSC2010 **Assessment:** Six composition exercises (60%), two aural tests plus class work assessment in aural tutorials (40%).

Analysis of fundamental compositional concepts in melody and harmony (demonstrated by students in compositional output presented in neat, hand-written notation). Music from a wide range of Western and non-Western musical styles is studied. Aural training tutorials complement these studies.

MUSC2618**Arts Music Ensemble 1**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 1 **Classes:** 4 tutorial hours/semester plus rehearsals and performances. **Prerequisites:** 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. **Prohibitions:** MUSC2018 **Assessment:** 1) Weekly tutorials (rehearsals in chosen group plus course tutorial) 2) Concert performance and administrative assistance. 3) A 3,000 word essay.

Note: Department permission required for enrolment.

Participation in an approved performance ensemble (where available), such as: the Sydney University Symphony Orchestra, the Gamelan Orchestra 'Langen Suka', The Renaissance Players, the Sydney Chamber Choir, the Sydney University Musical Society, SBS orchestra, Sydney Youth Orchestra, Sydney Conservatorium Choir, Sydney Philharmonia Choir. Regular weekly rehearsals leading to concerts, supervised by a tutor to improve and develop ensemble performance skills, self-discipline, leadership and administrative prowess. Instruction

in section leading, intonation, tone production, ear training and improvisation.

MUSC2619

Arts Music Ensemble 2

Credit points: 6 **Teacher/Coordinator:** Associate Professor Winsome Evans
Session: Semester 2 **Classes:** 4 tutorial hours/semester plus rehearsals and performances. **Prerequisites:** MUSC2618 **Prohibitions:** MUSC2019
Assessment: 1) Weekly tutorials (rehearsals in chosen group plus course tutorial) 2) Concert performance and administrative assistance. 3) A 3,000 word essay.

Advanced performance in an approved performance ensemble (where available), such as: the Sydney University Symphony Orchestra, the Gamelan 'Langen Suka', the Renaissance Players, the Sydney Chamber Choir, the Sydney University Musical Society, SBS Orchestra, Sydney Youth Orchestra, Sydney Con Choir, Sydney Philharmonia Choir. Regular weekly rehearsals leading to concerts, supervised by a tutor to improve and develop ensemble performance skills, self-discipline, leadership and administrative prowess. Instruction in balance, section leading, intonation, tone production, ear training and improvisation.

MUSC2621

Medieval Music in Spain

Credit points: 6 **Teacher/Coordinator:** Associate Professor W. Evans
Session: Semester 2 **Classes:** 3 hours/week **Prerequisites:** 48 Junior credit points, including 12 in Music (or advanced facility in reading music). Contact course coordinator for further information. **Prohibitions:** MUSC2009
Assessment: 4,500 word essay OR 4,000 word essay and a musical composition arrangement.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

An overview of secular music in mediaeval Spain: song and dance genres, minstrel and courtly traditions (including the dance songs of Martin Codax and the cantigas de Santa Maria of King Alphonso X), Arabic and Jewish influences on genres, styles of performance and structures of poetic texts. This course will consider performance issues and involve analysis of musical and poetic structures.

MUSC2626

Australian Aboriginal Music

Credit points: 6 **Teacher/Coordinator:** Professor Allan Marett, Sally Treloyn
Session: Semester 1 **Classes:** 2 hour lecture/week, 1 hour workshop or film/week **Prerequisites:** 18 Junior credit points in no more than two subject areas. **Prohibitions:** MUSC2026 **Assessment:** One listening test (1000 word equivalent) and one 3000 word essay.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit of study will examine the music, text and dance of the major genres of Aboriginal music focusing on the role of song in religious and social life and the analysis of musical structure. The course will be illustrated with numerous films.

MUSC2628

Classicism in Music

Credit points: 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 1 **Classes:** 3 hours/week **Prerequisites:** 12 junior music credits **Prohibitions:** MUSC2107 **Assessment:** One 2000 word essay, a listening test (1,000 words) and a listening journal (1,500 words).

This unit will study the music of the European Enlightenment, with particular emphasis on Haydn, Mozart, and Beethoven. It will focus on the development of musical forms and styles within the social, political and economic contexts of its time.

MUSC2631

Fieldwork, Ethnography and Transcription

Credit points: 6 **Teacher/Coordinator:** Sally Treloyn **Session:** Semester 1 **Classes:** 2 hour lecture/week **Prerequisites:** 12 junior music credit points. Students will normally have completed either MUSC1501 or MUSC1504. **Prohibitions:** MUSC2903 **Assessment:** Field project (oral and written presentation - 5000 words) (40%) three transcriptions - 500 words each (30%) critical readings and class participation (500 word analysis) (30%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit is a prerequisite for BA Honours. It examines a number of approaches to ethnomusicological fieldwork through critical readings on musical ethnography. Students will have the opportunity to apply this knowledge in a fieldwork project of their own choosing. Key ethnomusicological techniques such as audio and video recording, archiving and documentation will be introduced. The uses of transcription and analysis in ethnomusicology, and the latest technological aids to transcription will be introduced and discussed. A number of practical transcription exercises will also be examined.

MUSC2651

Australian and Asian Music 1

Credit points: 6 **Teacher/Coordinator:** Professor Anne Boyd, Sally Treloyn
Session: Semester 1 **Classes:** 2 hour lecture and 1 hr tut/week **Prerequisites:** 12 junior music credit points, one of which must be either MUSC1501 or MUSC1504 **Prohibitions:** MUSC2501 **Assessment:** One 3000 word essay (50%), one tutorial paper (750 words - 20%) a listening test (750 words - 20%) attendance and participation (10%)

Australian musical culture including the influence of Aboriginal, Asian and Pacific music on musical composition in Australia since European settlement.

MUSC2653

Introduction to Digital Music Techniques

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 2hr lecture/demonstration/week **Prerequisites:** 18 Junior credit points in no more than two subject areas **Prohibitions:** MUSC2053 **Assessment:** Sound recording and editing assignment (40%), creative assignment (40%), class presentation, attendance and participation (20%).

This unit is an introduction to the use of digital sound and music in creative and multimedia contexts. It is a practical course in which students are introduced to tools of sound creation and manipulation. In addition, participants will be exposed to a number of approaches to electroacoustic music creation across the 20th and 21st centuries. A basic knowledge of music concepts and ability to follow a piano score is required.

MUSC2654

Popular Music

Credit points: 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 1 **Classes:** 2 hours/week **Prerequisites:** 18 junior credit points **Prohibitions:** MUSC2054 **Assessment:** Short analysis (20% - 500 words), Listening test (30% - 500 words), Major Essay (40% - 5,000 words), Class participation (10%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

What does Australian Idol have in common with 19th century minstrelsy? How did African Americans help invent country music? Was there ever really a 'Dunedin Sound'? This unit of study presents a thematic overview of a wide variety of styles, movements and spectacles. It examines major genres of popular music, their stylistic features and historical antecedents as well as modes of reception and the role of popular music in everyday life. No prerequisites in music are needed to study this course.

MUSC2667

Shakespeare as Opera

Credit points: 6 **Teacher/Coordinator:** M. Halliwell **Session:** Semester 1 **Classes:** One 2hr seminar/wk **Prerequisites:** 18 junior credit points. **Assessment:** 1 mid-semester assignment (1500 words), 1 essay (4500 words).

This course will study the literary and musical strategies employed by composers and librettists in the adaption of the plays of Shakespeare into opera. Operas to be examined are taken from nearly 400 years of operatic repertoire including the classical, romantic, modernist and postmodernist periods. Recent CD and DVD recordings of both the plays and operas will be used, and current adaption theory as applicable to opera will be investigated.

MUSC2686**Mozart and his Times**

Credit points: 6 **Teacher/Coordinator:** Dr. Cecilia Sun (Arts-Music) **Session:** Semester 2 **Classes:** 1hr lecture and 1hr tut/week **Prerequisites:** 18 junior credit points. **Assessment:** Written assignment of 3000 words (50%), listening test (30%), participation/reading (20%).

This course is for students who wish to explore the beautiful and challenging music of Mozart. Through reading and intensive listening, we will study the cultural and musical contexts in which Mozart produced his works. Students will emerge with a sense of what makes Mozart special: the ways in which he is (and is not) typical of his turbulent and fascinating age, and the reasons his music still speaks to us so powerfully today. No formal musical training necessary.

MUSC2690**Music and Gender**

Credit points: 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 2 **Classes:** 2 hr lecture + 1 hr tut/week **Prerequisites:** 18 junior credit points. **Assessment:** Two essays (1500 words each : 40% each), Participation (20%)

This course will study the representations of gender, the body, and sexuality by both male and female musicians in repertoire drawn from a number of different historical and geographic moments. Topics of study will include: operatic roles, contributions of women to both art and popular music, women in Indigenous Australian music, and the intersection of gender and race in hip-hop. No previous formal musical training required.

MUSC2691**Revolutionary Voices: Music and Politics**

Credit points: 6 **Teacher/Coordinator:** Dr. Cecilia Sun (Arts-Music) **Session:** Semester 1 **Classes:** 1hr lecture and 1hr tut/week **Prerequisites:** 18 junior credit points. **Assessment:** Written assignment of 3000 words (50%), listening test (30%), participation/reading (20%).

This unit of study offers students a comprehensive understanding of interrelations and convergences between music and politics from a variety of musical genres and political circumstances. Students will be introduced to theoretical models for comprehending the social agency of musical expression, analyse the politics of convention and innovation within musical traditions, and examine musical dialogues that have reflected and influenced momentous social and political movements. No formal musical training necessary.

MUSC2692**Dissonance & Desire: Harmonic Structures**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 2 **Classes:** 2 hours/week **Prerequisites:** 12 junior credits in Music, including MUSC1501 or MUSC1504 **Prohibitions:** MUSC2902 **Assessment:** Six musical assignments each equivalent to 1000 words.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

A study of the history of harmony, melody and rhythm in their mutual and intrinsic counterpoint from Ars Nova to Wagner. This unit will include exercises involving stylistic parody.

MUSC2810**Music Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

MUSC2812**Music Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

MUSC2813**Music Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

MUSC3604**Arts Music Concert Performance 3**

Credit points: 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 1 **Classes:** 3 hour tutorials/week **Prerequisites:** MUSC2613 **Prohibitions:** MUSC3104 **Assessment:** (1) 45 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) programme notes (1,000 words)

Performance in lunch-time concerts in the Great Hall, MacLaurin Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC3604 and MUSC3605 be taken over two consecutive semesters.

MUSC3605**Arts Music Concert Performance 4**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Evans **Session:** Semester 2 **Classes:** 3 hour tutorials/week **Prerequisites:** MUSC3604 **Prohibitions:** MUSC3105 **Assessment:** (1) 50 minutes concert performance (repertoire not to be counted in any other performance course) including ensemble performance, (2) attendance at relevant classes, concerts and rehearsals, (3) programme notes (1,000 words)

Performance on any instrument, in any style (classical, jazz, pop, traditional etc.) in lunch-time concerts in the Great Hall, MacLaurin Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC3604 and MUSC3605 be taken over two consecutive semesters.

MUSC3607**Topics in Aboriginal Music and Dance**

Credit points: 6 **Teacher/Coordinator:** Professor Allan Marett **Session:** Semester 2 **Classes:** 2 hrs/week **Prerequisites:** 18 Junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Assessment:** A 5,000 word essay plus a listening test.

This unit will introduce students to ethnomusicological research methods in the field of Aboriginal music and dance. The course will focus on recent research for some of the major genres of Aboriginal music, as well as related topics like recording and archiving Aboriginal music and dance, ethics and fieldwork, transcribing texts, music and dance, the role of analysis in the study of Aboriginal performance, the history of research in the field of Aboriginal music and dance.

MUSC3609**Musicology**

Credit points: 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 2 **Classes:** 2 hours/wk **Prerequisites:** MUSC2631 **Prohibitions:** MUSC3904 **Assessment:** Critical readings (25% for oral presentation; 20% for written submission), bibliography assignment (40%), class participation (15%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The course has two components: bibliography and critical readings in the musicology of western and non-western music. The bibliography provides instruction on the use of online resources, the development of a research topic, the preparation of an annotated bibliography, critical evaluation of a body of literature and is intended to prepare students for the writing of a research paper or thesis as part of 4th year Honours.

MUSC3611**Composition Workshop 2**

Credit points: 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 2 hr workshop/week **Prerequisites:** MUSC2614 or MUSC2610 **Prohibitions:** MUSC2611 **Assessment:** Attendance and participation in classes and concerts (20%), compositions, scores and/or recordings (70% equivalent to 5,200 words), Concert reviews and other aural and/or written presentations (800 words - 10%)

An open forum in which advanced students are given an opportunity in a supervised environment to hear their original compositions

rehearsed and performed, usually by other participating students. The workshops are themed around particular genres and musical techniques which vary from semester to semester. e.g. Music Theatre; drone-based compositions; song-writing; sound and rhythm; creating a sound-space; media composition etc. The workshop encourages public performance in twice term concerts of new music composed by workshop participants and acts as a forum for lectures from visiting composers and other music industry specialists. This unit covers areas not already covered in MUSC2610.

Pali (no major available)

PALI1001

Pali A

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** Assignments and exam.

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 the student to read simple texts in Pali.

Textbooks

Warder, A. K., Introduction to Pali (Pali Text Society, Oxford, 1991)

PALI1002

Pali B

Credit points: 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** PALI1001 **Assessment:** Assignments and exam.

This unit is an extension of Pali A. By the end of the unit students will have completed Pali grammar and be in a position to read both scriptures and commentaries.

Textbooks

Warder, A. K., Introduction to Pali (Pali Text Society, Oxford, 1991)

Peace and Conflict Studies (no major available)

PACS2002

History and Politics of War and Peace

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Fitzmaurice, Dr Wendy Lambourne **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points, of which 6 must be in either HSTY, GOVT, SCLG or LAW **Assessment:** one presentation of class paper, one 1000 word tutorial exercise, one 3000 word major essay, class attendance

This unit will examine the history of the causes of war and the processes and outcomes of peacemaking, with particular emphasis on attempts to limit the frequency and severity of war and the creation of instruments of collective security, notably after the Thirty Years War (Treaty of Westphalia, 1746), the Revolutionary Napoleonic Wars (the Congress of Vienna, 1815), the First World War (the League of Nations, 1919), and the Second World War (the United Nations, 1945).

Performance Studies

PRFM1801

Performance Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point junior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

PRFM2601

Being There: Theories of Performance

Credit points: 6 **Teacher/Coordinator:** Dr I Maxwell **Session:** Semester 1 **Classes:** Two one hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Prohibitions:** PRFM2001 **Assessment:** One 1500 word take-home exam, one 1000 word mid-semester essay, tutorial assignment and continuous assessment

What is performance, and how can we understand what it is that performance does? This unit of study will introduce students to the study of performance, and the particular problems associated with approaching a phenomenon that is often ephemeral, experiential in nature, and frequently shrouded in mystery. Students will learn key theoretical and methodological approaches to the study and practice of a range of performance genres, including, but not limited to theatre and other artistic practices.

Textbooks

Selected readings available through Copy Centre.

PRFM2602

An Audience Prepares

Credit points: 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour workshop/tutorial per week **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Prohibitions:** PRFM2002 **Assessment:** One 500 word performance questionnaire; one 1000 word extended essay plan; 3000 word performance analysis essay.

How do the members of an audience make meaning from the complex weave of words, movements, costumes, lighting, sound and other effects that fill the stage? To what extent are these meanings shaped by the context in which the performance event takes place? In this unit, students will develop a technical/critical language and a 'feel' for analysing live performance through lectures, practical workshops and by attending events at a number of Sydney theatres.

Textbooks

Selected readings available through Copy Centre.

Recommended Readings:

Colin Counsell, Signs of Performance
Gay Mc Auley, Space in Performance

PRFM2604

Sociology of Theatre

Credit points: 6 **Teacher/Coordinator:** Dr I Maxwell **Session:** Semester 2 **Classes:** 3 hours per week in seminar mode **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Prohibitions:** PRFM3012 **Assessment:** One 1500 word take-home exam, one group presentation and 1500 word portfolio and 1000 word formative literature summary. **Practical field work:** Fieldwork

Theatre and performance as artistic practices are not autonomous: they take place in a complex cultural field, the effects of which necessarily influence and shape the practice itself. In this unit of study, we will develop an understanding of the field of theatrical production in contemporary Australia, both theoretically, using the sociological theory of Pierre Bourdieu, and practically, as we create our own, viable, performing arts company.

Textbooks

Selected readings available through Copy Centre.

PRFM2805

Performance Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

PRFM2806

Performance Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

PRFM2810 **Performance Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

PRFM2811 **Performance Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

PRFM2812 **Performance Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

PRFM3601 **Anthropology of Performance**

Credit points: 6 **Teacher/Coordinator:** Dr L Lewis **Session:** Semester 1 **Classes:** 3 hours per week in seminar mode **Prerequisites:** 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 **Prohibitions:** PRFM3017, PRFM3025 **Assessment:** One 2500 word mid-term exam and one 3500 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In recent decades, 'performance' has emerged as a central concept in several academic disciplines, from anthropology to sociology, theatre, dance, linguistics, and gender studies. The class will examine theories used to focus these interests, including: semiotics, ritual, play, framing, embodiment and emplacement. The main work will be to explore how such perspectives help researchers to understand the cultural significance of special events. The class will conclude with an in-depth study of two performance types drawn from diverse social worlds.

Textbooks

Reader available through the Copy Centre plus two textbooks (variable).

PRFM3602 **Playing Around with Theatre History**

Credit points: 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 2 **Classes:** One 3 hour seminar per week **Prerequisites:** 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 **Assessment:** One 2500 word take-home exam, one 1000 word essay, and a group presentation equivalent to 1000 words

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This course reflects on the issues and methods that constitute theatre history and its relationship to Performance Studies. We will consider the source materials on which theatre history is based and some genres of historical scholarship. We will study some of the canonical

texts of the European tradition (from Aristotle to Brecht) and consider the extent to which these descriptions and theorisations of creative practice continue to be influential in the work of contemporary theatre and performance practitioners.

Textbooks

Selected readings available through Copy Centre.

PRFM3604 **Embodied Histories**

Credit points: 6 **Teacher/Coordinator:** Dr A Card **Session:** Semester 1 **Classes:** 3 hours per week in seminar mode **Prerequisites:** 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 **Prohibitions:** PRFM3021 **Assessment:** One 3000 word essay and one 1500 word literature summary

Can we investigate and understand historical moments and social movements through a study of dancing bodies? In this unit we will be looking at popular dance practices in western cultures over time. From the Charleston, the Lindy & Jive, through musical comedy & jazz, to gogo, disco and hip hop we will develop an understanding of the relationship between movement, music, time and place. This will be done through a combination of observation and practical participation. No previous dance training is required.

PRFM3606 **Theories of Acting**

Credit points: 6 **Teacher/Coordinator:** Dr I Maxwell **Session:** Semester 2 **Classes:** 3 hours per week in seminar mode **Prerequisites:** 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 **Prohibitions:** PRFM3022 **Assessment:** One 3000 word essay; one group presentation plus write up (1000 words) and one 500 word formative literature summary

All theories of acting are grounded in implicit theories about the human self: to Stanislavsky, for example, the self is a repository of memories; while for Meyerhold, the self is a biomechanical resource. We will survey - and experiment with - a range of theories of acting, from Quintilian to Mamet, Zeami to Suzuki, uncovering the assumptions about human being underlying each. The unit involves a workshop component, although no experience is necessary: you will not be assessed on your acting ability.

Textbooks

Zarrilli, Phillip B Acting (Re)Considered: Theories and practices

PRFM3610 **In the Zone: Sport as a Performance**

Credit points: 6 **Teacher/Coordinator:** Dr L Lewis, Dr P Dwyer, Dr I Maxwell **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 **Assessment:** Two 750 word tutorial assignments and one 3000 word final essay

This course will review the most important theoretical work on play theory, in order to understand how sporting events can contribute to so centrally to cultural, national, and personal identity formations. We will, in some cases, compare similar sports which have developed differently in different social worlds, and in other cases focus on the relations between sport and aesthetic or political performances in given societies. Issues discussed will include ethnicity, class, gender, and embodied habit as markers of social and cultural patterns. We will read case studies and try to apply various theories to understand the deeper effects of sporting events on cultural life.

Textbooks

Selected readings available through the Copy Centre.

PRFM3961 **Rehearsal Studies**

Credit points: 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 1 **Classes:** One 3 hour seminar per week **Prerequisites:** Credit results in PRFM2001 and PRFM2002 or 18 credit points with credit results in PRFM2600 units including PRFM2601 and PRFM2602. **Corequisites:** PRFM3962 and sufficient units for a major in Performance Studies. **Assessment:** One 2500 word essay, one 1500 word tutorial paper, formative assessment and preparation for seminar discussions **Practical field work:** 2 weeks full time attendance at performance project.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit of study is structured around a performance project involving professional actors and a director. Students observe and analyse a rehearsal process, which will take place during the mid year break. In this unit, the theoretical and methodological groundwork is laid: accounts of rehearsal by participants and observers, ethnographic theory, video recordings of rehearsal, prompt books and other materials are examined with a view to establishing an appropriate level of awareness of the task and a methodological approach.

Textbooks

Reader will be available from Week 1.

PRFM3962

Rehearsal to Performance

Credit points: 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 2 **Classes:** One 3 hour class a week for six weeks **Prerequisites:** Credit results in PRFM2001 and PRFM2002 or 18 credit points with credit results in PRFM2600 units, including PRFM2601 and PRFM2602. **Corequisites:** PRFM3691 and sufficient units for a major in Performance Studies. **Assessment:** One 4500 word casebook of rehearsal process **Practical field work:** Full time attendance for 2 weeks in the mid-year break.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In the July break students observe professional actors and director in rehearsal, they document and record the process with a view to writing a casebook about it. The classes in the first part of the session provide an opportunity to unpack the experience, to undertake some analysis of the resulting performance, and to rethink the theoretical and methodological issues in light of the practical experience.

Textbooks

Reader will be available from Week 1

Philosophy

PHIL1010

Society, Knowledge and Reason

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Duncan Ivison **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** PHIL1001, PHIL1002 **Assessment:** one 500 word assignment (10%), one 2000 word essay (30%), one 2 hour exam (60%)

This unit is an introduction to central issues in political philosophy, theories of knowledge and methods of critical reasoning. The first part will consider the state, freedom and political obligation. The second part will examine some of the major theories of knowledge in the modern philosophical tradition, as well as the nature of argument, validity and truth.

Textbooks

Readings will be available from the University Copy Centre

PHIL1011

Reality, Ethics and Beauty

Credit points: 6 **Teacher/Coordinator:** Dr David Braddon-Mitchell, Dr David Macarthur, Dr Caroline West **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** PHIL1003, PHIL1004, PHIL1006, PHIL1008 **Assessment:** one 500 word assignment (10%), one 2000 word essay (30%), one 2 hour exam (60%)

This unit is an introduction to central issues in metaphysics, ethics and aesthetics. It opens with general questions about reality, God, personal identity and free will. The middle section of the unit will consider questions about values, goodness and responsibility. The final part is concerned with the question "what is art", the nature of aesthetic judgment and the role of art in our lives.

Textbooks

Readings will be available from the University Copy Centre.

PHIL1012

Introductory Logic

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 1 hour in-class test, one assignment, one 2 hour exam

The construction of valid deductive arguments involving sentence connectives and quantifiers, translated from English into logical notation.

Textbooks

Girle, R. Introduction to Logic. Prentice Hall 2002.

PHIL1016

Mind and Morality HSC

Credit points: 6 **Session:** S1 Late Int, S2 Late Int, Summer Main

Note: This unit is available to HSC students only

If a robot told you that it was in pain, would you believe it? If it is wrong to kill animals, should we try to stop animals from killing each other? How do you know what the colour red looks like to your friends? What do these philosophical puzzles reveal about ourselves, our minds, and our responsibilities towards others? This one-unit HSC course focuses on contemporary disputes regarding the nature of the mind, personal identity and ethics. As you engage with these issues, you will be introduced to the philosophical theories that underpin our notion of ourselves and our place in the world, and you will improve your ability to analyse and present complex ideas and arguments.

PHIL1801

Philosophy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

PHIL2600

Twentieth Century Philosophy

Credit points: 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2000 **Assessment:** one 2500 word essay, one 2 hour exam

Main developments in philosophical thought in the twentieth century. Topics include: logical atomism; logical positivism and its attack on metaphysics; conceptual analysis; Quine, holism, behaviourism, and the overthrow of positivism; the resurgence of metaphysics; functionalism in the philosophy of mind; modal realism. Essential background for understanding how philosophy is done today in English-speaking countries.

Textbooks

Readings will be available from the University Copy Centre.

PHIL2605

Locke and Empiricism

Credit points: 6 **Teacher/Coordinator:** Dr Simon Duffy **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL3005, PHIL2005 **Assessment:** one 1000 word tutorial exercise, one 500 word essay plan, one 2500-3000 word essay

In this unit we will study some of the major philosophical works of the Classical British Empiricists, John Locke (1632-1704), George Berkeley (1685-1753), and David Hume (1711-1776). We shall focus attention on their theoretical philosophy, considering epistemological topics such as the nature, limits and justification of human knowledge; and metaphysical topics such as substance, causation, the primary-secondary quality distinction and personal identity. The unit will also consider the contemporary relevance of these thinkers.

Textbooks

John Locke, An Essay Concerning Human Understanding, ed. Nidditch. (OUP)
George Berkeley, The Principles of Human Knowledge (Hackett)
--- Three Dialogues between Hylas & Philonous (Hackett)
David Hume, A Treatise of Human Nature (2nd ed.) eds. Selby-Bigge & Nidditch (OUP)

PHIL2607

Eighteenth Century French Philosophy

Credit points: 6 **Teacher/Coordinator:** Dr Simon Duffy **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Assessment:** one 1000 word tutorial exercise, one 500 word essay plan, and one 2500-3000 word essay

This unit examines the thought of the central French philosophers of the eighteenth century from Voltaire to Rousseau, including the work of Diderot, d'Alembert and the encyclopaedists. It will trace the impact of, as well as reactions to, the new science and Locke's empiricist philosophy, and it will examine changing attitudes to religion and society.

Textbooks

Readings will be available from the University Copy Centre

PHIL2609

Contemporary French Philosophy

Credit points: 6 **Teacher/Coordinator:** Dr Linnell Secomb **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2409 **Assessment:** Two 2250 word essays

An introduction to central themes from post-structuralist philosophy, such as identity and difference, the nature of thought and language, philosophy and literature, law and politics. The unit of study will involve close reading of selected texts primarily chosen from those by Deleuze and Derrida. Some attention will also be paid to other French philosophers such as Foucault, Irigaray and Kofman.

PHIL2610

Exploring Nonclassical Logic

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 6 Junior credit points in Philosophy AND one of the following: PHIL1012 Introductory Logic OR PHIL2628 Elementary Logic OR MATH1004 **Prohibitions:** PHIL3214 **Assessment:** two 1 hour in-class tests, one 2 hour exam

Classical logic is what you study in introductory units such as PHIL1012, PHIL2628 or MATH1004. This unit covers major extensions of and alternatives to classical logic, such as temporal, modal, intuitionist, relevance, and many-valued logics. As well as looking at the internal workings of these logics, we examine some of their applications, and the philosophical issues surrounding them.

PHIL2612

History of Ethics

Credit points: 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2512, PHIL3512 **Assessment:** one 2500 word essay and one exam

The nature of duty and the good: how we ought to live and what is valuable in life. A selective survey of Western normative ethical theory from Plato to Mill.

Textbooks

Kant, I.: *Grounding for the Metaphysics of Morals* (Hackett, Indianapolis 1981). Readings available from University Copy Centre

PHIL2613

Plato and Aristotle

Credit points: 6 **Teacher/Coordinator:** Dr Rick Benitez **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL3013, PHIL2013 **Assessment:** one 2500 word essay and one 2 hour exam

An examination of the major philosophical themes to be found in the works of Plato and Aristotle, with close attention to a few central works. The course emphasises understanding the ways these philosophers think rather than learning a body of doctrine.

Textbooks

Readings available from the University Copy Centre.

PHIL2614

The Presocratics

Credit points: 6 **Teacher/Coordinator:** Dr Rick Benitez **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2014, PHIL3014 **Assessment:** one 2500 word essay and one 2 hour exam

A critical examination of the first developments in philosophy among the early Greeks, emphasising two emerging traditions of philosophy, in Ionia and the Italian peninsula respectively. The main emphases

are on the origin of thought about being and the development of different philosophical methods through the activities of criticism and response prevalent among the Presocratics. These activities are particularly well exhibited in the argumentative challenges of Parmenides and Zeno, and the responses made by the fifth-century B.C. thinkers.

Textbooks

Barnes, J. *Early Greek Philosophy*. Penguin

PHIL2615

Intermediate Logic

Credit points: 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy and PHIL1012 or PHIL2203 or PHIL2628. **Prohibitions:** PHIL2215, PHIL3215 **Assessment:** exam and weekly exercises

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

The axiomatic approach to classical logic. The focus is on proofs of the main metalogical results - consistency completeness, etc - for the propositional and predicate calculi.

PHIL2617

Practical Ethics

Credit points: 6 **Teacher/Coordinator:** Dr Caroline West **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy. **Prohibitions:** PHIL2517 **Assessment:** one 2000 word essay and one 2500 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit draws on contemporary moral philosophy to shed light on some of the most pressing practical, ethical questions of our time, including euthanasia, abortion, surrogacy, censorship, animal rights, genetic testing and cloning and environmental ethics. By the end of the unit, students should have a good understanding of these practical ethical issues; and, more crucially, be equipped with the conceptual resources to think through new ethical questions and dilemmas as they arise in their personal and professional lives.

Textbooks

Readings will be available from the University Copy Centre.

PHIL2618

Aesthetics and Art

Credit points: 6 **Teacher/Coordinator:** Dr David Macarthur **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2518 **Assessment:** one 2500 word essay and one 2000 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Why is art important? What is an aesthetic response? Is there such a thing as objective interpretation? Or is it all a matter of taste? Should we believe in "the death of the author"? What is the relation between aesthetic criticism and philosophy? We shall discuss these and other questions from the perspective of an historical approach to the philosophical study of aesthetics and art.

Textbooks

Readings include Plato, Aristotle, Hume, Kant, Tostoy, Collingwood, Danto, Fried, and Cavell. These will be made available from the University Copy Centre.

PHIL2620

Probability and Decision Theory

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2220 **Assessment:** one in-class test, one 2000 word essay, one 2 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Throughout our lives, in making decisions large and small, we gamble in the face of uncertainty. Because we are always unsure what the future holds, we base our choices on estimates of probability. But what is probability, how do we know about it, and how should we use that knowledge in making rational choices? This course provides an

introduction to the foundations and philosophical puzzles of probability and rational decision theory.

Textbooks

Michael Resnik, *Choices: An Introduction to Decision Theory* University of Minnesota Press, 1987.

PHIL2621

Truth, Meaning and Language

Credit points: 6 **Teacher/Coordinator:** Dr Adrian Heathcote **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Assessment:** one 2500 word essay and one 2 hour exam

This unit covers central issues in contemporary philosophy of language, such as the relationship between language and the world, the nature of meaning and truth, problems involved in interpreting and understanding the speech of others, the role of context in determining meaning, and the nature of metaphor.

PHIL2622

Reality, Time & Possibility: Metaphysics

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 1, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Assessment:** one 2000 word essay and one 2500 word exam

This is a course in metaphysics: the discipline that tells us about the nature of the world. The unit carries on from the Reality component of first year. We use philosophical methods to engage with questions like: What is time? What is space? What are the natures of possibility, freedom and identity? What is a cause, and what is a law of nature? Do we have free will? Does the world really exist - and what does "really" mean?

PHIL2623

Moral Psychology

Credit points: 6 **Teacher/Coordinator:** Dr Luke Russell **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2513, PHIL3513 **Assessment:** one 2500 word essay and one 2000 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

What is the ultimate good in life? What attitude should we take towards the good? Part I of the unit explores these questions. Part II investigates a range of causal explanations of moral behaviour. Has natural selection designed us to be moral creatures, or do we learn to be good? Part III turns to questions about the foundations of morality and the nature of moral judgements. The final part concerns the possible limits of morality.

Textbooks

Readings available from the University Copy Centre.

PHIL2626

Philosophy and Psychoanalysis

Credit points: 6 **Teacher/Coordinator:** Dr Melissa McMahon **Session:** Semester 1, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2207, PHIL2226, PHIL3207, PHIL3226 **Assessment:** two 1000 word assignments and one 2500 word essay

An analysis and critique of the main ideas in Freudian psychoanalysis, their philosophical background, and their influence in subsequent philosophy of mind.

Textbooks

Freud, S. *Introductory Lectures in Psychoanalysis*,
Wollheim, R. *Freud*.

PHIL2627

Philosophy and Psychiatry

Credit points: 6 **Teacher/Coordinator:** Dr Stephanie Winfield **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2227 **Assessment:** two 2250 word essays

Can the concept 'mental illness' be a valid one? What might delusions tell us about the structure of the mind? What assumptions underlie attempts to classify mental disorder? Can we be justified in compelling people to submit to psychiatric treatment? This unit will examine philosophical questions raised by mental disorder and our attempts to understand/treat it, and will connect psychiatry to debates in philosophy such as the mind/body problem, the concept of a person, and the possibility of knowledge.

Textbooks

Readings will be available from the University Copy Centre.

PHIL2628

Elementary Logic

Credit points: 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy. **Prohibitions:** PHIL1012, PHIL2201, PHIL2203, PHIL3201, PHIL3203 **Assessment:** one 1 hour in-class test, one assignment, one 2 hour exam

Criteria of valid reasoning: extensive practice applying rules of deduction to draw correct conclusions from given premises couched in a special symbolic language. Both sentence connectives and quantifiers will be covered.

Textbooks

Girle, R. *Introduction to Logic*. Prentice Hall 2002.

PHIL2629

Descartes and Continental Philosophy

Credit points: 6 **Teacher/Coordinator:** Dr Simon Duffy **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2004, PHIL3004 **Assessment:** one 1000 word tutorial exercise, one 500 word essay plan, one 2500-3000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Descartes is generally regarded as the founder of modern philosophy, and in this unit we look both at his own contribution, and at his influence on the subsequent course of philosophical thought in the work of Malebranche, Spinoza, and Leibniz. Just over half the unit will be devoted to Descartes' own thought, and we will look at the various stages in the development of his ideas. In the second half of the unit, we will examine the ideas of his successors on selected metaphysical themes, above all on the mind/body question.

Textbooks

R. Descartes, *Discourse on Method and Other Writings*, trans. D. Clarke (Penguin paperback)
R. Descartes, *Meditations and Other Metaphysical Writings*, trans. D. Clarke (Penguin paperback)
G. Leibniz, *Discourse on Metaphysics and other Essays* (Hackett paperback)
B. Spinoza, *Ethics, Treatise on the Emendation of the Intellect and Selected Letters* (Hackett Paperback)

PHIL2632

Theories of Modernity 2

Credit points: 6 **Teacher/Coordinator:** Dr John Grumley **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy **Prohibitions:** PHIL2532, PHIL3532 **Assessment:** one 500 word tutorial paper, one 2000 word essay, one 2500 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit continues the themes developed in Theories of Modernity 1 into the Twentieth Century. We will see how the new realities of free markets, democracy, the state and bureaucracy, individualism and cultural rationalisation presented new problems and opportunities and gave rise to new theoretical frameworks for their comprehension. The unit will focus on the work of Weber, The Frankfurt School, Foucault and Habermas.

Textbooks

Readings will be available from the University Copy Centre.

PHIL2633**Theories of Modernity 1**

Credit points: 6 **Teacher/Coordinator:** Dr John Grumley **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy **Prohibitions:** PHIL1007, PHIL2533 **Assessment:** one 2000 word essay and one 2500 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

A survey of a range of classical 19th century theories from the standpoint of what they offer to the understanding of the newly emerging modern bourgeois social world. The work of Hegel, Marx, de Tocqueville, and Nietzsche will serve as paradigmatic attempts to discover the essence of this new society. Recurring themes and features will be examined through the prism of these thinkers: these include the problem of meaning after the collapse of tradition, the rise of secularism, capitalism, industrialisation, democracy, bureaucratisation and individualism -- their features, antinomies and problems. The unit is also intended as an introduction to the thinkers concerned while focusing in each case on their theorisation of modernity.

PHIL2634**Democratic Theory**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Duncan Ivison **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy **Prohibitions:** PHIL2514 **Assessment:** one 2000 word essay and one 2500 word take-home exam

A unit in political philosophy. The unit will examine various theoretical and normative justifications of democracy, as well as the historical foundations of these arguments. It will also examine particular issues in democracy and justice, the tension between democracy and constitutionalism and the challenges of social and cultural pluralism. The unit will also consider the scope and limits of democracy, including the extension of democratic norms and institutions across national boundaries through international law and multinational institutions.

PHIL2635**Contemporary Political Philosophy**

Credit points: 6 **Teacher/Coordinator:** Dr Justine McGill **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL3535, PHIL2535 **Assessment:** one 2500 word essay and one 2000 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

A critical introduction to the major schools of thought in contemporary political philosophy, organized around the theme of inclusion and exclusion. The inclusive ambitions of liberal political theory will be confronted with objections from thinkers motivated by concern with various facets of social and political exclusion, notably based on the categories of gender, cultural difference, deviancy and statelessness. Debates relating to refugees and asylum seekers will be considered in the latter part of this unit of study.

Textbooks

Kymlicka, W. Introduction to Contemporary Political Philosophy, OUP, 2nd edition. Unit reader available from the Copy Centre.

PHIL2638**Husserl's Phenomenology**

Credit points: 6 **Teacher/Coordinator:** Dr Bruin Christensen **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2238 **Assessment:** two 2250 word essays

Understanding Edmund Husserl's phenomenology is essential for understanding so-called 'continental' philosophy, and for setting it in relation to the other great tradition of 20th century philosophy, namely, Anglo-American 'analytic' philosophy. Husserl's phenomenological approach to philosophy raises issues for, and constitutes a recognisable position in, contemporary debates about the possibility of a scientific psychology. Before turning to Husserl himself, we will focus on the concept of intentionality and the issues it raises for a conception of psychology as natural science.

PHIL2639**Heidegger's Phenomenology**

Credit points: 6 **Teacher/Coordinator:** Dr Bruin Christensen **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2239 **Assessment:** two 2250 word essays

Heidegger famously asks what it means to be. We will attempt to determine what he means by this 'question of Being', concentrating on the first division of his work "Being and Time", as well as the discussion of death and authenticity, and of temporality and everydayness, in the second division. Issues to be raised include Heidegger's critique of his teacher, Edmund Husserl, the relevance of Heidegger's work for cognitive science and whether Heidegger can be understood as an existentialist or a pragmatist - or neither.

Textbooks

Martin Heidegger, Being and Time (trans. J. Macquarrie & E. Robinson).

PHIL2640**Sustainability, System and Society**

Credit points: 6 **Teacher/Coordinator:** Dr Bruin Christensen **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points from any units within the university **Prohibitions:** PHIL2240 **Assessment:** two 2250 word essays

Note: NB: This course is taught in collaboration with the Department of Design, Faculty of Design, Building and Architecture, UTS.

Is sustainability just a matter of green product labelling? Of radical eco-efficiency? Of mimicking nature? Or of living more frugally and communally? And do sustainable products and systems presuppose a sustainable society which regulates design, production and consumption through political and philosophical reflection on what it is to "live well"? This course examines "technological" notions of the sustainable in order to expose their dependence on the political and philosophical.

Textbooks

A selection of readings from diverse authors will be available from the University Copy Centre. Recommended Reading Borgman, Albert, Technology and the Character of Contemporary Life, Chicago: University of Chicago Press, 1984. Botkin, Daniel, Discordant Harmonies, New York: Oxford University Press, 1994. Bramwell, Anna, Ecology in the 20th Century: A History, New Haven: Yale University Press, 1992.

Davidson, Aiden, Technology and the Contested Meanings of Sustainability, Albany, SUNY Press, 2001.

Fischer, Frank and Marteen Haajer, Living with Nature: Environmental Politics as Cultural Discourse, New York: Oxford University Press, 1999. Hawken, Paul, Natural Capitalism: The Next Industrial Revolution, Boston: Little, Brown and Company, 2000.

Jonas, Hans, The Imperative of Responsibility, Chicago: University of Chicago Press, 1984. Manzini, Ezio and Jegou, Francois, Sustainable Everyday: Scenarios of Urban Life, Milano: Edizioni Ambiente, 2003.

McDonough, William and Braungart, Michael, Cradle-to-Cradle: Remaking the Way We Make Things, New York: North Point, 2002.

Orr, David W. The Nature of Design: Ecology, Culture, and Human Intention, Oxford: Oxford University Press, 2002.

Plumwood, Val, Environmental Culture, Routledge, 2002.

Worster, Donald, The Wealth of Nature: Environmental History and the Ecological Imagination, New York: Oxford University Press, 1994.

PHIL2641**Classic German Philosophy**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Paul Redding **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points in Philosophy **Prohibitions:** PHIL3011 **Assessment:** one 1000 word tutorial exercise, one 500 word essay outline, and one 2500-3000 word essay

This unit surveys German Philosophy from the pre-critical work of Kant through to Nietzsche. The first half of the unit examines the main aspects of Kant's "Copernican revolution" as played out in his three Critiques. The second half of the unit examines extensions and transformations of Kant's philosophy by critical appropriators extending from Fichte to Nietzsche. Throughout, the philosophical views involved will be related more generally to questions of science, morals and politics, art and religion.

PHIL2642**Critical Thinking**

Credit points: 6 **Teacher/Coordinator:** Dr Luke Russell **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in any units within the University **Assessment:** one 2000 word essay, one in-class test and one 2 hour exam

An introduction to critical thinking and the analysis of argument. Through examination of arguments drawn from a wide range of sources, including journalism, advertising, science, economics and politics, we will learn to distinguish good from bad arguments, and see why the good arguments are good and the bad ones bad. This makes the unit invaluable not only for philosophy students but for every student at the University. (The approach taken will be informal; very little symbolic notation will be used.)

PHIL2643**Philosophy of Mind**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof David Braddon-Mitchell **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2213, PHIL3213, PHIL2205 **Assessment:** one essay and one take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

An introduction to modern theories of the nature of mind, and some important contemporary issues in the philosophy of mind. Topics will include the problem of mental representation (how can minds think about the world?), the relationship of minds to brains, and the problem of consciousness.

Textbooks

The Philosophy of Mind and Cognition, D. Braddon-Mitchell and F. Jackson, Blackwell, Oxford 1997.

PHIL2644**Critical Theory: From Marx to Foucault**

Credit points: 6 **Teacher/Coordinator:** Dr John Grumley **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points **Assessment:** one 2000 word essay, one 2000 word take-home exam, one 500 word tutorial paper

The idea of critical theory emerged as an attempt to go beyond the alleged impasses of philosophy and actually challenge the world. This unit will consider various phases in the history of this project: from Marx, the Frankfurt School, to Foucault and Habermas. It will examine both the innovations and weaknesses of these various formulations in their historical context, as well as considering contemporary efforts to reanimate the idea of critical theory.

PHIL2645**Philosophy of Law**

Credit points: 6 **Teacher/Coordinator:** Dr Rick Benitez **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2510, PHIL3510 **Assessment:** one 2500 word essay and one 2 hour exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit looks at fundamental issues in the philosophy of law, including the role of law, civil liberties, legal obligation, punishment, responsibility and morality. It considers questions about whether or not a legal system is necessary, arguments for anarchy, and reasons for safeguarding freedoms from the force of law. It considers arguments for obedience to law, and seeks a moral justification of punishment. The discussion of practical issues in law leads to consideration of relation between law and morality.

Textbooks

Readings will be available from the University Copy Centre.

PHIL2804**Philosophy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2805**Philosophy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2806**Philosophy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2810**Philosophy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2811**Philosophy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2812**Philosophy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL3615**Pragmatism**

Credit points: 6 **Teacher/Coordinator:** Dr David Macarthur **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points in Philosophy **Prohibitions:** PHIL3015 **Assessment:** one 1000 word tutorial exercise, one 500 word essay outline, one 3000 word essay

This unit will consider the emergence and recent developments of the distinctive philosophical outlook known as "American Pragmatism". We shall discuss various pragmatist approaches to central philosophical topics such as truth, mind, knowledge, logic, naturalism, apriority, and the fact/value distinction. A central theme will be the philosophical importance of the appeal to practice and the agent's point of view. Readings will include works by William James, C.S. Pierce, John Dewey, Robert Brandom, Donald Davidson, Hilary Putnam, and Richard Rorty.

PHIL3616**Conditionals**

Credit points: 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Senior credit points in Philosophy **Prohibitions:** PHIL3216, PHIL3220 **Assessment:** one 2250 word essay and one 2250 word take-home exam

Is the world iffy? A sentence like 'If Hitler had invaded in 1940, Britain would have been defeated' seems to be about non-actual events. But many philosophers hold that the only genuine facts are facts about the actual course of events. Must we acknowledge conditional facts as well? Is there a might-have-been reality, as well as actual reality? This course looks at a variety of theories about the meaning of conditional sentences.

Textbooks

Readings will be available from the University Copy Centre.

PHIL3618**Pre-Honours Seminar**

Credit points: 6 **Teacher/Coordinator:** Dr Justine McGill, Assoc Prof Duncan Ivison **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 24 Senior credit points in Philosophy **Prohibitions:** PHIL2204, PHIL3204, PHIL3218 **Assessment:** one 4500 word essay (in two parts)

An introduction to major contemporary approaches to the discipline of philosophy, as represented within the department, and further afield. The aim of the unit of study is to prepare students for an Honours year in philosophy by acquainting them with both the practical and

theoretical choices to be made in formulating and pursuing philosophical problems today.

Textbooks

Readings will be available from the University Copy Centre.

PHIL3622

Philosophy of Modern Physics

Credit points: 6 **Teacher/Coordinator:** Dr Adrian Heathcote **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points in Philosophy **Prohibitions:** PHIL3223 **Assessment:** exercises and one 2500 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

In this unit we will look at quantum mechanics, through a study of its central paradoxes: the EPR situation, Schrödinger's Cat, Wave-Particle duality, etc. We will work through the book by R.I.G. Hughes, using Albert's book for some additional material. The course will involve learning the mathematical basis for QM - though the level of mathematical sophistication required will not exceed ordinary high school mathematics. Relativity theory will be discussed only insofar as it bears upon the problem of interpreting quantum theory.

Textbooks

R.I.G. Hughes "The Structure and Interpretation of Quantum Mechanics", Harvard Univ. Press; David Albert "Quantum Mechanics and Experience" Harvard Univ Press.

Studies in Religion

RLST1001

Paths to Enlightenment

Credit points: 6 **Teacher/Coordinator:** Dr C Hartney/ Dr T Swain **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures, 1 film hour and one 1 hour tutorial per week **Assessment:** One 1 hour exam (30%), one 2500 word essay (50%) and one tutorial presentation (20%)

This unit of study examines the various paths to enlightenment prescribed by Aboriginal Australia and Asia (India, China and Japan). Students specialise in traditions and themes of their own choice in writing essays.

Textbooks

Course Reader

RLST1004

New Religious Movements

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour film screening and one 1 hour tutorial per week **Corequisites:** RLST1001 **Assessment:** One 2000 word essay, one 1500 word take-home exam and tutorial participation.

An introduction to the study of twentieth and twenty-first century new religious movements. The course will cover Rastafarianism, Scientology, the Family, and the New Age among others. It will examine the controversies that have surrounded new religious movements (including brainwashing, deprogramming, the role of the media in religious controversy, and religion and the law).

Textbooks

Course Reader

RLST1801

Religious Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prohibitions:** Department permission required for enrolment.

Note: Department permission required for enrolment .

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point junior unit of study in Studies in Religion at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department.

RLST2606

Christianity as a Global Religion

Credit points: 6 **Teacher/Coordinator:** Dr C Hartney **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:**

12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2006 **Assessment:** One 2000 word essay, one 1500 word take-home exam and tutorial participation.

A survey of developments of Christian religious thoughts and practice in the context of the changing sociopolitical order from the 16th Century to the contemporary era. The course will also give attention to the more significant philosophers and theologians of that timeframe.

Textbooks

Course Reader

RLST2609

Theravada Buddhism

Credit points: 6 **Teacher/Coordinator:** Dr E Crangle **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2009 **Assessment:** One 2000 word essay, one 1000 word tutorial presentation and one 1500 word take-home exam

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This introductory survey is designed to give students a firm and sympathetic understanding of the basic principles of Early Buddhism as a philosophy and as a way of life. The emphasis of the course will be doctrinal and philosophical.

Textbooks

Course Reader

RLST2612

Dualism: Zoroaster, Gnosis & Manichaeism

Credit points: 6 **Teacher/Coordinator:** A/Prof I Gardner **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2012 **Assessment:** One 2000 word essay, one 1000 word tutorial presentation and one 1500 word take-home exam

Provides an overview of the Zoroastrian, Gnostic and Manichaean traditions, with particular emphasis on certain topics and themes. Such include: Zoroaster and the context of Indo-Iranian religion; Christian gnosis; Hermeticism and alchemy; Manichaeism; dualism and the problem of evil; apocalypse and eschatology.

Textbooks

Course Reader

RLST2623

Meditation and Self Transformation

Credit points: 6 **Teacher/Coordinator:** Dr E Crangle **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2023 **Assessment:** One 2500 word essay (50%), one tutorial paper (20%) and one exam (30%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Introductory examination of systems of meditative practices found mainly in Hindu and Buddhist traditions. Reference will be made to practices followed within Christian traditions. Theoretical/doctrinal/textual foundations are critically examined, with attention to the interpretive problems they present. The unit of study aims to enable students to gain an intellectual understanding of meditation and an ability to consider critically the issues it raises.

Textbooks

Course Reader

RLST2624

The Birth of Christianity

Credit points: 6 **Teacher/Coordinator:** A/Prof I Gardner **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2024 **Assessment:** One 2000 word essay, one 1000 word tutorial presentation and one 1500 word take-home exam

Christianity can claim to be the most successful of the world's religions, despite its apparently inauspicious beginnings. This unit will discuss textual, archaeological and socio-cultural evidence for its origins; with a particular purpose to analyse how cults centred on the charismatic figure of Jesus of Nazareth led to the construction of such a powerful

religious tradition. Tensions within that emergent tradition will be considered, and especially its struggle towards self-identity with reference to both Judaism and the Graeco-Roman world.

Textbooks
Course Reader

RLST2625 Religion and the Arts

Credit points: 6 **Teacher/Coordinator:** Dr T Swain/Dr C Hartney **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2025 **Assessment:** One 3000 word essay and one 1000 word tutorial paper

An investigation into the various ways in which the arts - music, dance, literature and visual art - relate to religious life. Lectures and tutorials will introduce students to the world of religion and art in the traditions of China, India, the Middle East and Europe. The interpretation will particularly focus upon the way a people's understanding of the sacred shapes the significance they give to the arts.

Textbooks
Course Reader

RLST2627 Religion in Multicultural Australia

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2027 **Assessment:** One take-home exam (30%) one tutorial presentation (20%) and one 3000 word essay (50%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit introduces the role played by religion in Australian culture, covering the indigenous Aboriginal religions and the introduced religions of migrants. Contrasting the place of Christianity in the foundation of convict colonies with that of the communities founded by the Pilgrim Fathers in America; considering minority religions (notably Judaism and Islam) in nineteenth century Australia; noting political factors (e.g., Constitutional protection of religious freedom, White Australia Policy); and finally assessing the multicultural and multi-faith community which is contemporary Australia.

Textbooks
Course Reader

RLST2629 Confucian Spirituality

Credit points: 6 **Teacher/Coordinator:** Dr T Swain **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2022 **Assessment:** One 3000 word essay and one 1000 word tutorial paper

This is an introduction to the nature and history of Confucian Spirituality in China. It examines the unique features of Confucianism as a religion without God's or a transcendent realm, and which instead strives for the perfection of humanity and the achievement of sagehood. The doctrines, rituals and methods of self-cultivation in Confucianism are examined historically and thematically. Finally, the rise and relevance of contemporary new Confucianisms are analysed in terms of their significance to modern China and global spiritualities.

Textbooks
Course Reader

RLST2631 Celtic and Germanic Mythology

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Prohibitions:** RLST2001, RLST2002 **Assessment:** One 2000 word essay, one 1500 word text-based assignment and tutorial presentation

This unit investigates the mythology and the religion of the Celtic and Germanic peoples. It ranges from prehistoric sites of Hallstatt (800 BCE) and Jastorf (350 BCE) to the Christian Middle Ages, when mythological collections (e.g. the Eddas and the Lebor Gabala) were

compiled. Sources used include archaeology, texts, folkloric survivals, and Indo-European mythology. It covers deities and the supernatural; sacred times and places; kingship and priesthood; goddesses; death and afterlife; and the conversion of the Celts and Germans to Christianity.

Textbooks
Course Reader

RLST2632 Contemporary Islam: Religion & Identity

Credit points: 6 **Teacher/Coordinator:** Coordinator: A/Prof I Gardner **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Religion Studies or Arabic and Islamic Studies, or their equivalent as assessed by the Department(s) **Assessment:** One 1000 word tutorial presentation (25%), one 2000 word essay (40%) and one 1500 word take-home exam (35%)

This unit focuses on contemporary Islam as manifested in issues of faith and identity. Topics covered include how Islam functions as a religion in contemporary societies, the different ways in which Muslims negotiate identity (for example in Western countries, and in majority Muslim countries), and the responses that Muslims have developed to modernity and globalization. These explicitly religious responses address issues such as gender, politics and the place of Muslims in multi-ethnic, multi-faith nations such as Australia and the USA.

Textbooks
Course Reader

RLST2804 Religious Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

RLST2805 Religious Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

RLST2806 Religious Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

RLST2809 Religious Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

RLST2810**Religious Studies Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

Sanskrit**SANS1001****Sanskrit Introductory 1****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** Classwork and exam.

This unit provides an introduction to Sanskrit. It is intended for students who have little or no previous knowledge of the language. Emphasis will be given to understanding the basic grammatical structures and the Devanagari script. Pronunciation will be given attention. There will be exercises in translation from Sanskrit to English and English to Sanskrit.

Textbooks

Egenes, T., Introduction to Sanskrit, Part One. Delhi. Motilal Banarsidass 1996

SANS1002**Sanskrit Introductory 2****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** SANS1001 **Assessment:** Classwork and exam.

This unit is an extension of work done in SANS1001. By the end of the unit students will have covered the grammar necessary for reading simple Sanskrit texts.

Textbooks

Egenes, T. Introduction to Sanskrit, Part Two. Delhi. Motilal Banarsidass 2000

SANS2601**Sanskrit Intermediate 1****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** SANS1002 or equivalent **Prohibitions:** SANS2001 **Assessment:** 3 assignments (equivalent to 2500 words), 2 hour exam (equivalent to 2000 words).

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. Readings will be drawn from the Hitopadesha, and Mahabharata.

Textbooks

Lanman, C. R., A Sanskrit Reader, 2nd edn. (Satguru Publications, 1983)

SANS2602**Sanskrit Intermediate 2****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** SANS2001 or SANS2601 or equivalent **Prohibitions:** SANS2002 **Assessment:** 3 assignments (equivalent to 2500 words), 2 hour exam (equivalent to 2000 words).

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 Bhagavadgita, Mahabharata and Jatakamala.

Textbooks

Lanman, C.R., A Sanskrit Reader 2nd edn (Satguru Publications, 1983)

SANS3601**Sanskrit Advanced 1****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** SANS2002 or SANS2602 or equivalent **Prohibitions:** SANS3001 **Assessment:** 3

assignments (equivalent to 2500 words), 2 hour exam (equivalent to 2000 words).

This unit will be devoted to reading a range of Sanskrit literature including more advanced poetical and philosophical texts. Readings will be drawn from texts such as the Ramayana, Buddhacarita and Yogasutras.

SANS3602**Sanskrit Advanced 2****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** SANS3001 or SANS3601 or equivalent **Prohibitions:** SANS3002 **Assessment:** 3 assignments (equivalent to 2500 words), 2 hour exam (equivalent to 2000 words).

This unit will be devoted to reading a range of Sanskrit literature including more advanced poetical and philosophical texts. Readings will be drawn from texts such as the Ramayana, Buddhacarita and the Yogasutras.

SANS3612**Sanskrit Research Preparation 2****Credit points:** 6 **Teacher/Coordinator:** Dr Peter Oldmeadow **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** Credit result in SANS2001 or SANS2601 **Assessment:** 2 hour exam.

Designed for students hoping to specialise in Indian and/or Buddhist Studies, this unit focuses on the classical languages of India, with a view to providing students with the ability to read and conduct research into Sanskrit texts in their original language.

Social Policy**SCPL2601****Australian Social Policy****Credit points:** 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCPL3001 **Assessment:** one 1500 word essay (30%), one 1000 word tutorial paper and presentation (30%) and one 2 hour exam (40%)

In this unit of study Australian social policy is explored: the legal and administrative framework; relationships between family and the state; employment, unemployment, unpaid work and welfare; the public/private mix; aged care policies, the culture of welfare state provision, indigenous policies, migration, multiculturalism and the formulation and delivery of social welfare services in Australia.

SCPL2602**Contesting Social Policies****Credit points:** 6 **Teacher/Coordinator:** Dr Alec Pemberton **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCPL3002 **Assessment:** one 2500 word essay (60%) and one 2 hour exam (40%)

The focus of this unit of study is on the concepts and principles underpinning the allocation of welfare, in the context of policy-making in Australia's complex society. Current debates on principles of allocation will be addressed, such as debates about social justice, welfare rights and social and economic needs. Australia's future policy directions are considered in relation to the parameters of international models of welfare.

Textbooks

readings will be available

Social Sciences**SSCI1003****Exploring the Social Sciences****Credit points:** 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1 **Classes:** one 1 hour lecture and one 2 hour tutorial per week **Assessment:** 4500 words or equivalent to include classwork (30%), one 2000 word essay (35%), one 2000 word take-home exam (35%)*Note: Bachelor of Social Sciences only*

This unit is a core introductory theory unit for the Bachelor of Social Sciences. This unit of study explores the nature of the social sciences and how knowledge within the social sciences is produced. It investigates the relationship of the social sciences to other types of knowledge like the humanities and the natural sciences. It looks at the historical and social contexts in which the social sciences are produced and it explores how various social changes have influenced social scientific knowledge in contemporary settings.

SSCI2601

Social, Political and Economic Thought 1

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1 **Classes:** one 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** SSCI1003 **Prohibitions:** SSCI1001, SSCI2001 **Assessment:** one 2500 word essay (40%), class presentation and discussion (30%), one 2000 word take-home exam (30%)

Note: Bachelor of Social Sciences only

This is a core theory unit for the Bachelor of Social Sciences. The unit explores the theme of the social sciences and society by critically examining debates across the social sciences about the development of modernity in the arenas of society, politics and economics. Attempts will be made to highlight the historical context in which forms of social and political and economic thought developed. This unit will also examine the significance of key debates about post modernity, globalisation and difference in transforming the world context in which social sciences are practised today and their implications for changes within the social sciences. In keeping with current debates about the nature of social sciences theory and the changing status of rationality, a key concern of this unit is to give students an understanding of the social sciences as theories embedded in society.

Textbooks

Readings will be available

SSCI2602

Social, Political and Economic Thought 2

Credit points: 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 2 **Classes:** one 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** SSCI1003 or SSCI1001 and SSCI2601 or SSCI2001 **Prohibitions:** SSCI2002 **Assessment:** one 2500 word essay (40%), one class presentation (20%), one take-home exam (40%)

Note: Bachelor of Social Sciences only

This unit is a core unit for the Bachelor of Social Sciences, following on from Social, Political and Economic Thought 1. The unit explores the theme of the social sciences, humanity and ethics through an examination of central debates about democracy, justice, social welfare, social inclusion, human rights, shame, public goods, human capabilities, social capital, civility, tolerance and care. In contrast with traditional conceptions of the social sciences as 'objective and value neutral', a key concern of this unit is to provide an understanding of the context of human relations and moral problems in which the social sciences are practised in contemporary settings. Thus, wherever possible, the treatment of theories is examined in the context of real case studies of social science in practice.

Textbooks

Readings will be available

SSCI3601

Social Sciences Internship

Credit points: 12 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1, Semester 2 **Classes:** minimum 210 hours of monitored work place experience, plus supervisory consultations **Prerequisites:** SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 **Prohibitions:** SSCI3001 **Assessment:** will be determined on the basis of meeting the requirements/or failing to meet the requirements of the course. In order to meet these requirements, you need to attend the internship and receive a satisfactory report by your internship supervisor within your placement.

Note: Bachelor of Social Sciences only

The internship provides an opportunity for students to gain practical experience in a professional setting as part of their academic training. Students undertake a minimum of 30 working days in a social sciences environment, from 3 to 5 days per week. They will be assisted and

supervised by both the workplace and the department. Placements may include government departments, non-governmental organizations, community organizations, corporations, private consultancies, etc.

SSCI3602

Internship Research Paper

Credit points: 12 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1, Semester 2 **Classes:** independent research with compulsory supervisory consultations **Prerequisites:** SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 **Corequisites:** SSCI3001 or SSCI3601 **Prohibitions:** SSCI3002 **Assessment:** one 4500 word (or equivalent) Internship research essay and one 6000 word (or equivalent) professional journal

Note: Bachelor of Social Sciences only

The Internship Research Paper provides an opportunity for students to reflect on their research experiences during the internship in a social sciences environment (SSCI3601). Students will keep a reflective journal about their research experiences during the internship, which will form the basis of a research report to be submitted for assessment. Students, in consultation with a supervisor from the Bachelor of Social Sciences program, will formulate a topic for their research essay which should demonstrate the ability to reflect critically on the relation between their practical experience in their particular placement and social science theory more generally.

Socio-Legal Studies

SLSS1001

Introduction to Socio-Legal Studies

Credit points: 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** class participation (10%), one 1500 word take-home exam (40%), one 3000 word essay (50%)

Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only

This unit provides students with an introduction to the understanding of legal ideas, institutions and practices in their social and historical contexts. It will provide an historical overview of legal institutions and forms of law in Australia, the place of the idea of the rule of law in state-formation, liberalism, processes of civilization and colonialism, law and the public/private distinction, changing conceptions of human rights, as well as outlining the central features of the various fields of law.

Textbooks

Unit reader will be available through the Copy Centre

SLSS1002

Law as Language, Culture and Performance

Credit points: 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** Class participation (10%), one 1500 words take-home exam (40%) one 3000 words essay (50%)

Note: Available to Bachelor of Socio-Legal Studies only

This unit introduces students to the key elements of the cultural analysis of legal discourse and practice. It will discuss the concept of legal culture as well as the study of law as literature and story-telling, the analysis of the performative dimensions of legal practice, the relationship between law and the media, the legal construction of race and difference, especially in colonial and settler-colonial settings, as well as the comparative analysis of legal institutions in differing social and cultural contexts.

Textbooks

Unit reader will be available through the Copy Centre

Sociology

SCLG1001

Introduction to Sociology 1

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 1, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week

Assessment: one essay (40%), one 2 hour exam (40%) and other work as assigned by coordinator (20%)

This unit introduces students to the study of sociology through an analysis of contemporary Australian society. Using a range of sociological concepts and theories, we will analyse society in the period known as 'modernity'. Students will be encouraged to analyse existing social phenomena through the prisms of gender, sexuality, ethnicity, class, multiculturalism and Indigeneity.

Textbooks

Readings will be available.

SCLG1002

Introduction to Sociology 2

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 2, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one essay (40%), one 2 hour exam (40%) and other work as assigned by coordinator (20%)

Students will continue to be introduced to sociology through the analysis of contemporary society. Through a focus on the sociology of everyday life, we will explore the relationships between various social and cultural forms, institutional sites and the practices of everyday life. Topics such as fame and celebrity, fashion and consumption, globalization community and belonging will be explored.

Textbooks

Readings will be available.

SCLG1801

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SCLG2601

Sociological Theory

Credit points: 6 **Teacher/Coordinator:** Dr Craig Browne **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2001, SCLG2520 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

In this unit of study we will examine the main strands of sociological thought and identify the key concepts, debates and issues in the development of sociological theory. It will focus on the writings of leading social theorists and sociologists, their contribution to the development of a distinctly sociological theory, and their continuing impact on current theoretical debates in sociology. Topics covered will include: the origins of sociology; industrialism; classical theorists; sociology of urban society; interactionism and everyday life; psychoanalysis; sociology of knowledge and culture; feminist challenges to sociological paradigms; postmodernity and the future of society. This unit is mandatory for Sociology majors.

Textbooks

Unit reader will be made available through the Copy Centre

SCLG2602

Social Inquiry: Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Either SCLG1001 and SCLG1002 or SCWK2003 **Prohibitions:** SCLG2002, SCLG2521 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit of study introduces students to a range of qualitative and quantitative research methods in common usage throughout the social sciences. The course has both analytical and practical components. With regard to the former, students are introduced to the methodological issues in contemporary sociology and their impact on the research process. An emphasis will be placed on developing a critical ability to read sociological research, with an eye to the methodological adequacy of social research, the use of theory in the research process, the political and ethical issues that arise whilst conducting research, and the classical and contemporary debates over interpretation and the production of knowledge. With regard to the latter component, students will undertake practical exercises in order to learn to appreciate and use a selection of research

approaches, methods and techniques. This unit is mandatory for Sociology majors.

Textbooks

Unit reader will be available through the Copy Centre

SCLG2603

Sociology of Health and Illness

Credit points: 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2526 **Assessment:** two essays (70%), one group exercise (30%)

Students will be introduced to both past and current sociological perspectives of health and illness, including Parsonian, Marxist, Weberian, Feminist and Postmodern approaches. We will examine topics such as the social, unequal, structuring of illness; the construction of medical 'facts'; professional, corporate and state control over health care systems; medical controversies; iatrogenic illness; and medical technology.

SCLG2604

Social Inequality in Australia

Credit points: 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2010, SCLG2529 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines sociological approaches to social inequality. Questions about social inequality are integral to contemporary notions of equality, citizenship, human rights, social justice and emancipation. A central theme of the unit (and a central preoccupation of sociologists) is ways in which social relations of inequality are shaped, represented, experienced, negotiated and challenged in everyday life. Some important questions for this unit are: How do sociologists understand and explain patterns of inequality? What are the enabling and constraining factors shaping people's 'life chances'? How are social relations of inequality, experienced, challenged and disrupted? Is social inequality an inevitable condition of human existence?

SCLG2605

Social Justice Law and Society

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Robert van Krieken **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2017, SCLG2536 **Assessment:** one 2500 word research paper (60%) and one 1800 word essay (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit of study examines a range of approaches to social justice, including distributive and recognition or identity theories. We ask how one works out what a socially just society would look like, considering guiding principles such as desert, need, merit and equality of resources, opportunity or capabilities. We then link these ideas with principles and practices of legal equality and human rights law and specific contemporary social justice topics such as racial, gender, environmental and international justice.

SCLG2606

Media in Contemporary Society

Credit points: 6 **Teacher/Coordinator:** Dr Annette Falahey **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2018, SCLG2537 **Assumed knowledge:** Ability to access internet and basic web browsing skills **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit will examine key issues and debates within current sociological writings on media in contemporary society. The tutorial discussions focus on media, including radio, film, television, video, print, news, current affairs programmes and advertising, all of which are considered in relation to media audiences. We will consider the research literature on the sociology of media in order to investigate methods of carrying out media research, particularly of media audience

research. The aim is to encourage students to develop an informed understanding of media, including their own engagement with media in contemporary society, and to explore computer based technology as an educational tool for studying media in contemporary society.

SCLG2608

Social Construction of Difference

Credit points: 6 **Teacher/Coordinator:** Dr Alec Pemberton **Session:** Semester 1, Winter Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2004, SCLG2523 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

The focus of this unit of study is on the dynamics of the identification of 'difference' in society, including the processes of stigmatisation and demonisation of 'deviants'. The unit focuses on areas such as the debates surrounding the 'welfare underclass', unruly youth, refugees and asylum seekers, trans-gendered persons, the care of the mentally ill ,etc. Significant theoretical debates will be addressed, including 'realism' vs. 'social construction', 'defining deviance down'(Moynihan; Hendershott), the 'Broken Windows' thesis (Wilson and Kelling) and Jock Young's theory of 'Essentialising the Other'.

SCLG2609

Contemporary Cultural Issues

Credit points: 6 **Teacher/Coordinator:** Dr Annette Falahey **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2501 **Assessment:** 2500 words of written work (60%) one 2 hour exam (40%)

This unit of study will examine key issues and debates within current sociological writings on culture. It will assess critically a range of cultural issues pertinent to structuralist, poststructuralist, deconstructionist as well as postmodern accounts of contemporary culture. An aim of this unit is to link concepts of culture to specific case studies, in order to facilitate the joining of theory with research. This aim will be achieved through addressing various issues, including analysis of cultural representations, popular culture, as well as the role of agency within cultural formations.

SCLG2611

Comparative Sociology of Welfare States

Credit points: 6 **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2509 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Contemporary developments and debates concerning welfare in Australia are put into a new perspective when considered in comparison with welfare states throughout the world. In this unit of study, students will have the opportunity to compare Australian welfare arrangements and social policies with those in other industrialised countries. How do other countries conceptualise and make arrangements for people who are unemployed, or pregnant or sick, or old? What are the principles that underpin these arrangements and how can we account for the differences between countries? The unit will focus on social policies concerned with health, employment and unemployment, work and family, disability, ageing and childhood. Students will develop comparative analyses with both Western industrialised welfare states and the emerging Asian welfare states. In addition to developing knowledge of particular social policies in particular countries, students will explore the theoretical frameworks that have underpinned comparative welfare state analysis. They will also have the opportunity to interrogate the dominant discourses that have informed social policy development including those concerning rights, citizenship, obligations, reciprocity and social capital.

SCLG2612

Self and Society

Credit points: 6 **Teacher/Coordinator:** Dr Craig Browne **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2510 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

The nature of human subjectivity has fascinated and drawn the attention of thinkers from many different fields. While the questions, who are we? how do we become individual? are often asked, the ways of answering these questions constantly change. In this unit, the discursive construction of the self will be examined in the light of the political, technological and social changes which constantly influence the meanings and histories of self, subjectivity and identity. The unit will explore questions such as whether there is a human 'nature' which precedes or exists beyond society; whether historical circumstances determine human emotional response; whether new forms of technology and modes of communication influence self-knowledge; whether consumerism and materialism commodify identity; whether the roles played in everyday life and the management of social interactions produce or conceal who we are. The unit begins with commonsensical views on identity and proceeds to deconstruct them.

SCLG2613

Sociology of Childhood and Youth

Credit points: 6 **Teacher/Coordinator:** Dr Amanda Elliot **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2522 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit of study examines the main sociological approaches to childhood and youth in modern industrial societies, as well as the ways in which particular perspectives on childhood are central to all social theory. It will examine the debates surrounding the historical development of childhood, and the various approaches to the impact of state intervention and social policies on both the experiences of childhood and youth and the transition to adulthood. Specific topics discussed include; the social construction of child abuse, youth homelessness and youth criminality as social problems, the stolen generations, children and the law, the fertility decline, and the differentiation of childhood experience along lines of class, gender, race and ethnicity.

SCLG2614

Madness, Difference and Normality

Credit points: 6 **Teacher/Coordinator:** Dr Alec Pemberton **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2006, SCLG2525 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

This unit of study will introduce students to core themes and issues in the sociological study of mental illness, with a historical and critical emphasis. Issues will be placed in their historical context wherever possible to indicate the development of particular debates in their social, cultural and political setting. The unit of study will compare and evaluate rival or alternative approaches to mental illness, as well as utilising the empirical evidence on mental illness to guide students through the issues, debates and controversies. Topics covered will include sociological studies of the causes of mental illness, cross-cultural studies, social factors in depression, labelling theory and its assessment, mental illness as myth, anti-psychiatry, feminist critiques of psychiatry, the sociology of psychiatry and psychiatric practice, the sociology of the mental hospital, and de-institutionalisation.

SCLG2615

Law and Social Theory

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Robert van Krieken **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 and (SCLG2601 or SCLG2001 or SCLG2520) **Prohibitions:** SCLG2535 **Assessment:** tutorial participation (10%), one 2500 word essay (60%), one 2000 word take-home exam (30%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit provides a detailed understanding of how the work of a broad range of social theorists contributes to a specifically sociological understanding of legal ideas, institutions and practices. After beginning with classical sociology - Durkheim, Marx and Weber, the unit will then discuss the contributions of the Frankfurt School, Habermas,

Foucault, Bourdieu, Luhmann, Elias, and Selznick, as well as the more recent perspectives of postmodern and feminist social theory.

SCLG2616

Global Transformations

Credit points: 6 **Teacher/Coordinator:** Dr Craig Browne **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2560 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines contemporary processes of globalisation. It investigates the personal and technological networks that constitute transnational forms of social organisation, the hybrid identities that emerge from population movements across borders and cultural interchanges, the mobilities of travel and exchange that alter the spatial context of social relations. These key developments are explored in relation to migration, multiculturalism, travel, human rights and in terms of the effects of globally orientated institutions on collective identities, citizenship, civil society and democracy.

SCLG2618

Violence, Imaginaries and Symbolic Power

Credit points: 6 **Teacher/Coordinator:** Dr Craig Browne **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2566 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines the operation of symbolic power and diverse social manifestations of violence, from revolution through to eroticism. Of particular interest are social imaginaries and the way collective representations embody social creativity, legitimate social structures and inform projects of violent social reconstruction, including war, terrorism, nationalism and genocide. Social imaginaries are constitutive of nationalist visions of self-determining communities, capitalist wealth and social utopias. Different modes of critical analysis are introduced, like critical social theory, discourse analysis, and psychoanalysis.

SCLG2619

Sociology of Sport

Credit points: 6 **Teacher/Coordinator:** Dr Fiona Gill **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one tutorial presentation, one 1000 word tutorial paper, one 3000 word essay based on independent research

This unit will examine the relationship between sport and society, particularly the formation and reproduction of social norms and groupings. Analysing society from modernist and post-structuralist perspectives, students will use social theories of discourse, identity formation and power relations to explore the role of sport in the development and reproduction of gender, sexual, class, racial and national groups. Topics discussed include sport as a vehicle of social empowerment or marginalisation, sport as colonialism, and sport as consumption and popular entertainment.

SCLG2620

Human Rights and Social Transformations

Credit points: 6 **Teacher/Coordinator:** Dr Danielle Celermajer **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one class debate (10%), one 1500 word take-home exam (30%), one 2500 word essay (60%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will examine both how human rights discourses and institutions have transformed states and societies (and failed to do so) and how societies have transformed human rights, connecting this dynamic with broader questions about the relationship between norms, society and politics. It will consider the often implicit constraints, as well as the liberational potential of human rights, engaging debates about the relationship between human rights and culture, religion, colonialism, imperialism, liberal individualism and globalisation.

SCLG2621

Power, Politics and Society

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Robert van Krieken **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one 1500 word take-home exam, one 3000 word essay

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit will examine the core theoretical perspectives in the sociology of power, political action and political structures (Weber, Michels, Lukes, Mills etc.) and the central empirical issues in political sociology. These issues include state formation and governance, political ideas and ideologies in a "knowledge society", political parties, social movements and interest groups, globalisation, modernity and post-modern politics. It will engage with these concerns in relation to a selection of contemporary Australian and global issues in political sociology.

SCLG2622

Sociology of Knowledge

Credit points: 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one research essay (60%), group work and class participation (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit explores the formation, transmission and ownership of knowledge through several historical epochs. It highlights the way knowledge, in both oral and written form, reflects and expresses social structures and social processes. Students will be introduced to a range of theories about the relationship between knowledge and society, and to illustrative case studies (e.g. the patenting of diagnostic tests, the funding of research institutes and 'Think Tanks', and the buying and selling of 'expert knowledge').

SCLG2634

Crime, Punishment and Society

Credit points: 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 2, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Two of: SCLG1001, SCLG1002, SLSS1001, SLSS1002 and LAWS1100. **Prohibitions:** SCLG2566 **Assessment:** one 3000 word essay (50%), one 1500 word take home exam (40%), class participation (10%)

This unit provides students with an introduction to the analysis of crime, crime control and punishment in their historical, social and political contexts. It discusses the major theoretical perspectives on the explanation of crime and deviance as well as the role and functions of punishment, and then examines a range of central issues in understanding crime and criminal justice, including the history and sociology of prisons, punishment and policing, the basic elements of criminal law and the criminal justice system.

SCLG2805

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment .

SCLG2806

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment .

SCLG2809

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment .

SCLG2810

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment .

SCLG2811

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment .

SCLG2812

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment .

SCLG3601

Contemporary Sociological Theory

Credit points: 6 **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour seminar per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG3002 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit provides a detailed introduction to key social theorists whose ideas are being used extensively in contemporary sociological theory and research. These theorists include: Irving Goffman, Michel Foucault and Pierre Bourdieu. A particular focus is on approaches to human action in its various structural and cultural contexts, the possibilities and limits of human agency, and questions of social change.

SCLG3602

Empirical Sociological Methods

Credit points: 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG3003 **Assessment:** interview exercise, class participation and one written research proposal

This unit addresses the political, ethical and practical problems that may arise during the process of conducting research. It will also examine the social and logical links between theory, method, data and analysis. In the seminars we will critically examine the work of other researchers to identify the strengths and weaknesses of their approaches. For assessment, students will select a topic of their own choosing and develop a theoretically informed research proposal. This unit assumes a basic knowledge of social research methods.

Spanish

SPAN1601

Introductory Spanish 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Summer Late, Winter Main **Classes:** 3 language tutorials and 1 lecture per week **Prohibitions:** Not to be taken by students with prior knowledge of Spanish. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

Note: Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN1601. Students should contact the Department which will determine the appropriate level of enrolment.

SPAN1601 is for absolute beginners or for students who have no substantial prior knowledge of the language. It introduces the main structures of Spanish, developing all four language skills and provides an overview of Spanish history and culture.

Textbooks

Consult the department.

SPAN1602

Introductory Spanish 2

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Classes:** 3 language tutorials and 1 lecture per week **Prohibitions:** SPAN1002 **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

Note: Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN1602. Students should contact the Department which will determine the appropriate level of enrolment.

SPAN1602 builds further on the skills acquired in SPAN1601 and provides an overview of Latin-American history and culture.

Textbooks

Consult the department.

SPAN1801

Spanish Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

SPAN1802

Spanish Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

SPAN2601

Intermediate Spanish 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN1002 or SPAN1602 **Prohibitions:** SPAN2001 **Assessment:** Classwork, tareas (homework), assignments, tests and exam.

Note: Students who have already studied Spanish at HSC level, or who have equivalent knowledge may request waiving of prerequisites and be admitted to SPAN2601. Students should contact the Department which will determine the appropriate level of enrolment.

This unit builds on the basic language skills acquired in SPAN1601 and SPAN1602, further developing aural/oral skills, reading and writing, with a particular focus on grammatical accuracy.

Textbooks

Consult the department.

SPAN2602

Intermediate Spanish 2

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN2601 **Prohibitions:** SPAN2002 **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

This unit builds on SPAN2601.

Textbooks

Consult the department.

SPAN2621

Spanish Culture 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** 2 hour seminar per week **Prerequisites:** SPAN1002 or SPAN1602 **Assessment:** 3000 word essay, four written tasks (750 words each).

Note: Not recommended to Second Year students

This unit presents students with a variety of texts of mainstream Spanish literature and major literary trends in the context of the history and culture of Spain.

SPAN2622

Latin American Culture 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Classes:** 2 hour seminar per week **Prerequisites:** SPAN1002 or SPAN1602 **Assessment:** 3000 word essay, four written tasks (750 words each).

This unit presents students with a variety of Latin American texts and major literary trends in the context of the history and culture of Latin America.

SPAN3601

Advanced Spanish 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN2002 or SPAN2602 **Prohibitions:** 3rd year language units completed at

UNSW **Assessment:** Classwork, tareas (homework), assignments, tests and exam.

This unit further develops competence in Spanish.

Textbooks

Contact department for details.

SPAN3602

Advanced Spanish 2

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN3601 **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

This unit further develops competence in Spanish.

Textbooks

Contact department for details.

SPAN3621

Latin American Film and Literature

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** 2 hour seminar per week **Prerequisites:** SPAN2002 or SPAN2602 **Prohibitions:** SPAN3006 **Assessment:** Four 750 word essays, in-class presentation (3000 words), final 3000 word essay.

This unit will focus on Latin American literature in a selection of countries and deal with its transformation into film and theatre.

SPAN3622

Introduction to Spanish Translation

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Classes:** 2 hour seminar per week **Prerequisites:** SPAN3601 **Assessment:** Eight 250 word homework tasks, group work in-class, 1000 word presentation and research paper, 1000 word translation analysis, two final in-class tests (250 words each).

This unit will present an introduction to various translation theories and will provide practical work in both English and Spanish, translating from a wide range of materials. It will explore modes, techniques and genres in a wide variety of texts.

SPAN3811

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3812

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3813

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3814

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3815

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3816

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Thai Studies (major may not be available)

THAI1105

Thai 1A

Credit points: 6 **Session:** Semester 1 **Classes:** 5 hours per week **Prohibitions:** THAI1101, THAI1103 **Assessment:** Assignments equivalent to 1000 words (10%), 3 written class tests (10%), two 90-minute exams, each covering grammar, writing and aural comprehension (40%), oral test (30%), classwork (10%).

Intended for students who have little or no previous knowledge of Thai, this unit of study provides an introduction to spoken and written Thai, with emphasis on speaking and listening skills that will enable students to communicate in Thai in everyday situations. Practice in reading, writing and pronunciation and an introduction to Thai grammar are included.

Textbooks

P. Juntanamalaga and T. Diller, Beginning Thai (ANU) plus two tapes.

N. Jiraratwatana, Thai Language Express (Sydney University Language Centre) plus two tapes.

Other materials are available for purchase from the University Copy Centre.

THAI1106

Thai 1B

Credit points: 6 **Session:** Semester 2 **Classes:** 5 hours per week **Prerequisites:** THAI1105 or THAI1101 plus THAI1103 or department permission **Prohibitions:** THAI1102, THAI1104 **Assessment:** Assignments equivalent to 1000 words (10%), 3 written class tests (10%), two 90-minute exams, each covering grammar, writing and aural comprehension (40%), oral test (30%), classwork (10%).

Continuation and extension of work done in THAI1105.

Textbooks

P. Juntanamalaga and T. Diller, Beginning Thai (ANU) plus two tapes

N. Jiraratwatana, Thai Language Express (Sydney University Language Centre) plus two tapes

Other materials are available for purchase from the University Copy Centre

THAI2601

Thai 2A

Credit points: 6 **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** THAI1104 or THAI1106 or THAI1604 or department permission **Prohibitions:** THAI2101 **Assessment:** Reading comprehension exercises (10%), 2 written projects each equivalent to 1000 words (20%), 2 oral presentations based on projects (20%), 2-hour final exam (30%), classwork (10%), 3 written class tests (10%).

This unit of study further develops communication skills, with an emphasis on reading. Different types of written discourse will be studied through a variety of Thai language media. Some attention will also be given to a study of cultural aspects of the Thai language.

Textbooks

Materials are available for purchase from the University Copy Centre

THAI2602

Thai 2B

Credit points: 6 **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** THAI2101 or THAI2601 or departmental permission **Prohibitions:** THAI2102 **Assessment:** Reading comprehension exercises (10%), 2 written projects each equivalent to 1000 words (20%), 2 oral presentations based on projects (20%), 2-hour final exam (30%), classwork (10%), 3 written class tests (10%).

A continuation and extension of work done in THAI2601.

Textbooks

Materials are available for purchase from the University Copy Centre

THAI2650

Thai In-Country Study A

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

THAI2651

Thai In-Country Study B

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

THAI2652**Thai In-Country Study C****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***THAI2653****Thai In-Country Study D****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .*

Yiddish (no guarantee of continued availability)

YDDH1101**Yiddish 1****Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 1
Classes: 4 hours per week **Assessment:** 2 hour final exam (60%), written work (homework and quizzes) (20%), continuous assessment, preparation and participation (20%).

This unit introduces students to Yiddish through a study of its grammar, as well as exercises in conversation and reading. In addition, discussions on the history, linguistics and dialectology of Yiddish will be given in order to prepare students for readings at the senior level.

YDDH1102**Yiddish 2****Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** YDDH1101 or permission from the department **Assessment:** 2 hour final exam (60%), written work (homework and quizzes) (20%), continuous assessment, preparation and participation (20%).

This unit further develops the study of Yiddish language, building upon the foundations set in YDDH1101. Students continue to learn grammar and vocabulary, through exercises in conversation and reading. As with YDDH1101, discussions on history as well as Yiddish culture and literature will be given in order to prepare students for readings at the senior level.

YDDH2603**Yiddish 3****Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** YDDH1102 **Prohibitions:** YDDH2103, YDDH2104 **Assessment:** 2 hour exam (50%), written work (homework and quizzes) (30%), continuous assessment, participation and preparation (20%).

This unit will continue to develop the language foundations built in Yiddish 1 and 2. The unit will focus upon conversation and composition, and includes the reading of selected texts from modern Yiddish literature, as well an introduction to various media sources. The unit consists of: practical language skills including conversation, composition and comprehension exercises (3 hours per week) and readings from modern literature (1 hour per week).

Textbooks

Recommended:

Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schoken

YDDH2604**Yiddish 4****Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** YDDH2103 or YDDH2603 **Prohibitions:** YDDH2104 **Assessment:** 2 hour exam (50%), written work (homework and quizzes) (30%), continuous assessment, participation and preparation (20%).

This unit continues the program outlined in Yiddish 3: conversation, composition, readings from Yiddish literature, as well as discussion of material gleaned from various media sources. As with other senior Yiddish units, Yiddish 4 consists of practical language skills (3 hours per week) and readings from modern literature (1 hour per week).

Textbooks

Recommended:

Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schoken

YDDH3605**Yiddish 5****Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 1
Classes: 4 hours per week **Prerequisites:** YDDH2104 or YDDH2604 **Prohibitions:** YDDH3105, YDDH3106 **Assessment:** 2 hour exam (50%), written work (homework and quizzes) (30%), continuous assessment, participation and preparation (20%).

This unit is designed to strengthen the language foundations built in Yiddish 3 and 4. The unit will continue to focus upon conversation and composition, and includes a reading of selected texts from Yiddish literature, as well as discussion of topics presented in various media sources; each semester's emphasis will vary. The unit of study consists of: practical language skills including conversation, composition and comprehension exercises (3 hours per week) and readings from modern literature (1 hour per week).

Textbooks

Recommended:

Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schoken; or
Harkavy, Alexander, Yiddish-English-Hebrew Dictionary. NY:Schoken, 1988**YDDH3606****Yiddish 6****Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 2
Classes: 4 hours per week **Prerequisites:** YDDH3605 or YDDH3105 **Prohibitions:** YDDH3106 **Assessment:** 2 hour exam (50%), written work (homework and quizzes) (30%) and continuous assessment, participation and preparation (20%).

This unit focuses on the developing proficiency of the student. Discussion around current events, historical enquiry and linguistic issues (historical and dialectology) will augment the unit's textual studies. As with other senior Yiddish units, Yiddish 6 consists of: practical language skills including conversation, composition and comprehension (3 hours per week) and readings from modern literature (1 hour per week).

Textbooks

Recommended:

Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schoken, or
Harkavy, Alexander, Yiddish-English-Hebrew Dictionary. NY:Schoken, 1988

Table A

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Aboriginal Studies			
KOCR2600 Indigenous Australia: An Introduction	6	P 18 Junior credit points N KOCR2100	Semester 1 Semester 2
KOCR2601 Indigenous Australia: Land and Culture	6	P KOCR2100 or KOCR2600 N KOCR2101	Semester 2
KOCR2602 Issues in Indigenous Rights	6	P KOCR2100 or KOCR2600 N KOCR2102	Semester 2
KOCR2603 Indigenous Health and Communities	6	P KOCR2100 or KOCR2600 N KOCR2111	Semester 2
KOCR2604 Colours of Identity: Indigenous Bodies	6	C KOCR2100 or KOCR2600	Semester 1
KOCR2605 Speaking Gamilaraay 1	6	C KOCR2100 or KOCR2600	Semester 1
KOCR2606 Torres Strait Histories and Experiences	6	P KOCR2100 or KOCR2600	Semester 2
KOCR2607 Indigenous Creative Expression	6	P 18 Junior credit points	Semester 1 Summer Dec
Ancient History			
ANHS1003 Foundations for Ancient History: Greece	6		Semester 1
ANHS1005 Power and Persuasion in Rome	6		Semester 2
ANHS1801 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2601 Ancient Imperialism	6	P 12 junior credit points of Ancient History, Classical Studies, Ancient Greek or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Latin, Greek (Ancient), Classical Studies, History, Archaeology (Classical) or Archaeology (Near Eastern) N ANHS2001	Semester 1
ANHS2604 Pagans and Christians in the Roman World	6	P 12 junior credit points of Ancient History or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), Archaeology (Classical), Archaeology (Near Eastern) N ANHS2004	Semester 1
ANHS2605 Ancient Greek Religion	6	P 12 junior credit points of Ancient History, Classical Studies, Ancient Greek or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Latin, Greek (Ancient), Classical Studies, History, Archaeology (Classical) or Archaeology (Near Eastern) <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ANHS2691 Ancient Historians Rethink History I	6	P Credit average in 12 junior credit points of Ancient History or History OR 6 junior credit points of ANHS and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), Archaeology (Classical) or Archaeology (Near Eastern) N ANHS2901, HSTY2901, HSTY2691 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ANHS2692 Ancient Historians Rethink History 2	6	P Credit average in 12 junior credit points of Ancient History or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), Archaeology (Classical) or Archaeology (Near Eastern) N ANHS2902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ANHS2804 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2805 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2806 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2810 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2811 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS3601 The Mediterranean World 88-49 BC	6	P Credit average in 18 senior credit points of Ancient History or History including ANHS2691 (or HSTY2691) and ANHS2692 N ANHS3901, ANHS3911 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ANHS3603 Documents and Ancient History (Greek)	6	P Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (GRKA1002 or GRKA2612) OR credit average in 18 senior credit points of GRKA N ANHS3903 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ANHS3604 Documents and Ancient History (Latin)	6	P Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (LATN1002 or LATN2612) OR Credit average in 18 senior credit points of LATN N ANHS3904 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ANHS3609 Herodotus and His World	6	P Credit average in 18 senior credit points of Ancient History or History, including ANHS2691 (or HSTY2691) and ANHS2692	Semester 1
ANHS4011 Ancient History Honours A	12	P Credit average in 48 Senior cp in ANHS or HSTY including 12 cp at ANHS3000 or HSTY3000 level or equivalent. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS4012 Ancient History Honours B	12	P Refer to ANHS4011 C ANHS4011	Semester 1 Semester 2
ANHS4013 Ancient History Honours C	12	P Refer to ANHS4011 C ANHS4012	Semester 1 Semester 2
ANHS4014 Ancient History Honours D	12	P Refer to ANHS4011 C ANHS4013	Semester 1 Semester 2
Anthropology			
ANTH1001 Cultural Difference: An Introduction	6	N ANTH1003	Semester 1 Summer Main
ANTH1002 Globalisation and Experience	6	N ANTH1004	Semester 2
ANTH1801 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH1802 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2604 Australia-Pacific: Indigenous Worlds	6	P 18 Junior credit points N ANTH2112	Semester 2
ANTH2606 Culture and the Unconscious	6	P 12 Junior credit points of Anthropology	Semester 1
ANTH2613 Imagination, Narcissism & Identification	6	P 12 Junior credit points of Anthropology N ANTH2013	Semester 2
ANTH2621 Initiation Rituals	6	P 12 Junior credit points of Anthropology N ANTH2021	Semester 1
ANTH2622 Ethnographic Film	6	P 12 Junior credit points of Anthropology N ANTH2106, ANTH2022	Semester 2
ANTH2623 Gender: Anthropological Studies	6	P 12 junior credit points of Anthropology N ANTH2020, ANTH2023	Semester 1 Summer Main
ANTH2626 The City: Global Flows and Local Forms	6	P 12 Junior credit points of Anthropology N ANTH2026	Semester 1
ANTH2628 Migration and Migrant Cultures	6	P 12 Junior credit points of Anthropology N ANTH2120, ANTH2121	Semester 2
ANTH2630 Indigenous Australians and Modernity	6	P 12 Junior credit points of Anthropology	Semester 1
ANTH2653 Economy and Culture	6	P 12 junior credit points of Anthropology	Semester 1
ANTH2658 New Heavens, New Earth	6	P 12 Junior credit points of Anthropology N ANTH3955 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ANTH2662 Jamaican Popular Culture	6	P 12 Junior credit points of Anthropology	Semester 2
ANTH2804 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2805 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2806 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2810 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2811 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH3601 Honours Preparation 1	6	P 12 credit points of Senior Anthropology at Credit level or above N ANTH3921, ANH3922	Semester 1
ANTH3611 Reading Melanesian Ethnographies	6	P 12 Credit Points of Senior Anthropology completed at Credit level or above N ANTH3951 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ANTH3613 Reading Aboriginal Ethnographies	6	P 12 credit points of senior Anthropology completed at credit level or above N ANTH3835 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ANTH4011 Social Anthropology Honours A	12	P Students must have a Credit average in Senior level Anthropology units totalling at least 48 credit points. Units must include ANTH3601 and at least one of the following: ANTH3611, ANTH3613 or ANTH3614. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH4012 Social Anthropology Honours B	12	C ANTH4011	Semester 1 Semester 2
ANTH4013 Social Anthropology Honours C	12	C ANTH4012	Semester 1 Semester 2
ANTH4014 Social Anthropology Honours D	12	C ANTH4013	Semester 1 Semester 2
Arabic Language, Literature and Culture			
ARBC1611 Arabic Introductory 1B	6	N ARBC1311, ARBC1312, ARBC1101, ARBC1102	Semester 1
ARBC1612 Arabic Introductory 2B	6	P ARBC1101 or ARBC1611 (or equivalent) N ARBC1311, ARBC1312, ARBC1102	Semester 2
ARBC2613 Arabic Language and Literature 3B	6	P ARBC1102 or ARBC1612 or equivalent N ARBC1311, ARBC1312, ARBC2633, ARBC2634, ARBC2103	Semester 1
ARBC2614 Arabic Language and Literature 4B	6	P ARBC2103 or ARBC2613 or equivalent N ARBC2104, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638	Semester 2
ARBC2633 Arabic Advanced Language & Literature 3A	6	P HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners (subject to placement test) or equivalent N ARBC1311	Semester 1
ARBC2634 Arabic Advanced Language & Literature 4A	6	P ARBC1311 or ARBC2633 N ARBC1312, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 2
ARBC2811 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC2812 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC2813 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC2814 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC3615 Arabic Language and Literature 5B	6	P ARBC2104 or ARBC2614 or equivalent N ARBC2105, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638	Semester 1
ARBC3616 Arabic Language and Literature 6B	6	P ARBC2105 or ARBC3615 or equivalent N ARBC2106, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638	Semester 2
ARBC3635 Arabic Advanced Translation & Writing 5A	6	P ARBC1312 or ARBC2633 (or equivalent) N ARBC2313, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 1
ARBC3636 Arabic Advanced for Media Studies 6A	6	P ARBC1311 or ARBC2633 (or equivalent) N ARBC1101, ARBC1102, ARBC1611, ARBC1612, ARBC2314	Semester 2
ARBC3637 Arabic Advanced Translation & Writing 7A	6	P ARBC1312 or ARBC2634 N ARBC2315, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 1
ARBC3638 Arabic Advanced for Media Studies 8A	6	P ARBC1311 or ARBC2633 N ARBC2316, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 2
Arab World, Islam and The Middle East			
ARIS1671 Arabs, Islam & Middle East: Introduction	6		Semester 1
ARIS1672 Arab-Islamic Civilisation: Introduction	6	P ARIS1001 or ARIS1671	Semester 2
ARIS2673 Islam and Muslims in World History	6	P ARIS1001 or ARIS1671 or equivalent N ARIS2003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARIS2674 Islam and Politics: Modernity Challenges	6	P ARIS1001 or ARIS1671 N ARIS2004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARIS3680 Approaches to Arabic and Islamic Studies	6	P Credit in ARIS2673 or ARIS3675 or ARIS2003 or ARIS2005, plus credit in ARBC2613 or ARBC3635 or ARBC2103 or ARBC2313	Semester 2
ARIS4011 Arabic and Islamic Studies Honours A	12	P A total of 48 credit points in a combination of ARBC and ARIS senior units, with at least credit average. These include the 36 credit points of the major in Arabic and Islamic Studies, plus two more senior units, including the special entry unit, ARIS3680 (Approaches to Arabic and Islamic Studies). <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS4012 Arabic and Islamic Studies Honours B	12	C ARIS4011	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARIS4013 Arabic and Islamic Studies Honours C	12	C ARIS4012	Semester 1 Semester 2
ARIS4014 Arabic and Islamic Studies Honours D	12	C ARIS4013	Semester 1 Semester 2
Archaeology (Classical)			
ARCL1001 Art & Archaeology of the Classical World	6		Semester 2
ARCL1801 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2601 The World of Classical Athens	6	P 6 Junior credit points of Archaeology and 6 Junior credit points of Archaeology or Classical Civilization or Ancient History N ARCL2001 <i>Note: Department permission required for enrolment in the following sessions: Summer Main In Summer the unit will be taught as a three week intensive program in Athens. To register your interest, please contact Dr Lesley Beaumont via email, lesley.beaumont@arts.usyd.edu.au</i>	Semester 2 Summer Main
ARCL2603 Archaeology of Pre-Roman Italy	6	P 6 Junior credit points of Archaeology and either 6 Junior credit points of Archaeology or Classical Civilisation or Classical Studies or Ancient History N ARCL3001	Semester 1
ARCL2604 Aegean Prehistory (ca 3000-1100 BC)	6	P 6 Junior credit points of Archaeology and either 6 Junior credit points of Archaeology or Classical Civilisation or Classical Studies or Ancient History	Semester 1
ARCL2605 The Archaeology of the Roman East	6	P 12 junior credit points of Archaeology or Classical Civilisation/Classical Studies or Ancient History	Semester 2
ARCL2690 Special Topics in Classical Athens	6	P Credit result in ARCL1001 C ARCL2601 N ARCL2900 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARCL2804 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2805 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2806 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2810 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2811 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL3691 Research Issues in Classical Archaeology	6	P Credit result in ARCL2690 N ARCL3901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARCL4011 Archaeology (Classical) Honours A	12	P Credit average in 36 senior credit points for Archaeology (Classical, Near Eastern, and/or Prehistoric and Historical), Ancient History and Classics, including two units selected from ARCL2601, ARCL2602, ARCL2603, ARCL2604, and ARCL2605; plus credit results in ARCL2690 and ARCL3691. HSC 2-unit (or equivalent) in French, German, or Modern Greek language. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL4012 Archaeology (Classical) Honours B	12	C ARCL4011	Semester 1 Semester 2
ARCL4013 Archaeology (Classical) Honours C	12	C ARCL4012	Semester 1 Semester 2
ARCL4014 Archaeology (Classical) Honours D	12	C ARCL4013	Semester 1 Semester 2
Archaeology (Near Eastern)			
ARNE1001 Archaeology of the Near East	6		Semester 2
ARNE1801 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2601 Egyptian Archaeology	6	P 12 junior credit points of Archaeology, Classical Civilisation or Ancient History N ARNE2010	Semester 2
ARNE2603 Introduction to the Archaeology of Iran	6	P 12 junior credit points of Archaeology, Classical Civilisation or Ancient History	Semester 1
ARNE2606 The Archaeology of Central Asia	6	P 12 junior credit points from Archaeology, Classical Civilisation or Ancient History.	Semester 1
ARNE2804 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2805 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARNE2806 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2810 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2811 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE3691 Special Topics in West Asian Archaeology	6	P Credit result in ARNE1001 C ARNE2603 or ARNE2606 N ARNE3901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARNE4011 Archaeology (Near Eastern) Honours A	12	P (a) Credit results in 24 Senior credit points of Archaeology including ARNE2901/2691 and ARNE3901/3691 (b) reading ability in a Modern European language <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE4012 Archaeology (Near Eastern) Honours B	12	C ARNE4011	Semester 1 Semester 2
ARNE4013 Archaeology (Near Eastern) Honours C	12	C ARNE4012	Semester 1 Semester 2
ARNE4014 Archaeology (Near Eastern) Honours D	12	C ARNE4013	Semester 1 Semester 2
Archaeology (Prehistoric and Historical)			
ARPH1001 Introduction to Archaeology	6		Semester 1 Winter Main
ARPH1801 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH2602 Scientific Analysis of Materials	6	P 12 Junior credit points in Archaeology N ARPH2621	Semester 2
ARPH2603 The Archaeology of Society	6	P 12 Junior credit points of Archaeology. N ARPH2003	Semester 1
ARPH2605 Archaeology of Modern Times	6	P 12 Junior credit points of Archaeology N ARPH2005	Semester 1
ARPH2611 The Archaeology of Asia	6	P 12 Junior credit points of Archaeology N ARPH1003	Semester 2
ARPH2612 Historical Archaeology	6	P 12 Junior credit points of Archaeology N ARPH2702	Semester 2
ARPH2614 Archaeological Methods	6	P 12 Junior credit points of Archaeology N ARPH2604	Semester 2
ARPH2616 Public Archaeology	6	P 12 Junior credit points of Archaeology N ARPH2010	Semester 2
ARPH2617 Analysis of Stone Technology	6	P 12 junior credit points of Archaeology N ARPH2517	Semester 1
ARPH2804 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH2805 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH2806 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH3690 Archaeological Applications of Computing	6	P Credit results in 12 Senior credit points of ARPH <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARPH3692 Archaeological Research Principles	6	P 12 Senior credit points of Archaeology at Credit level N ARPH3902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARPH3693 Archaeological Practice	6	P 12 Senior credit points of Archeology at Credit level N ARPH3921 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARPH4011 Archaeology (Prehist/Historical) Hons A	12	P a) CR+ results in 24 senior credit points of Archaeology, including ARPH3692 Archaeological Research Principles (or previous equivalents ARPH3902 or ARPH3092) and ARPH3693 Archaeological Practice (or previous equivalent ARPH3921) and at least 12 credit points from the following ARPH units of study (or equivalent earlier unit codes): ARPH3691 Archaeological Research Principles 1, ARPH3690 Archaeological Applications of Computing, ARPH2602 Scientific Analysis of Materials, ARPH2617 Analysis of Stone Technology, ARPH2614 Archaeological Methods, ARPH2613 Historic Artefact Analysis, ARPH2608 Animal Bones, ARPH2609 Human Bones, ARPH2604 Field/Laboratory Project. b) CR+ results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies and/or Heritage Studies. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARPH4012 Archaeology (Prehist/Historical) Hons B	12	C ARPH4011	Semester 1 Semester 2
ARPH4013 Archaeology (Prehist/Historical) Hons C	12	C ARPH4012	Semester 1 Semester 2
ARPH4014 Archaeology (Prehist/Historical) Hons D	12	C ARPH4013	Semester 1 Semester 2
Art History and Theory			
ARHT1001 Art & Experience: The European Tradition	6		Semester 1
ARHT1002 Modern Times: Art and Film	6		Semester 2
ARHT1801 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2601 Recent Approaches to Art and Film	6	P 12 senior credit points in Art History and Theory with a Credit average. N ARHT2901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARHT2610 Art and Society in Trecento Italy	6	P ARHT1001 and ARHT1002 N ARHT2010	Semester 2
ARHT2612 Baroque Courts <i>This unit of study is not available in 2007</i>	6	P ARHT 1001 and ARHT 1002. N ARHT2012	
ARHT2617 Art and Society in Victorian England	6	P ARHT1001 and ARHT1002 N ARHT2017	Semester 1
ARHT2618 French Art, Salon to Post-Impressionism	6	P ARHT1001 and ARHT1002 N ARHT2018	Semester 2
ARHT2621 European Modernism	6	P ARHT1001 and ARHT1002 N ARHT2021 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARHT2631 Australian Painting, Colony to Nation	6	P ARHT1001 and ARHT1002 N ARHT2031, ARHT2664	Semester 1
ARHT2632 Modern Australian Art and Cinema	6	P ARHT1001 and ARHT1002 N ARHT2032	Semester 1
ARHT2633 Postwar Australian Art	6	P ARHT1001 and ARHT1002 N ARHT2033	Semester 2 Summer Late
ARHT2640 Modern and Contemporary Asian Art	6	P ARHT1001 and ARHT1002 or ASNS1001 and ASNS1002 or ASNS1001 and ASNS1101 N ARHT2040	Semester 1
ARHT2652 From Silent to Sound Cinema	6	P ARHT1001 and ARHT1002 (For Art History Major) ENGL1025 (for Film Majors). N ARHT2052 <i>Film Studies Core Unit. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARHT2653 Cross-Cultural Perspectives on Cinema <i>This unit of study is not available in 2007</i>	6	P ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL1025 (for Film Majors). N ARHT2053	
ARHT2655 Cinema and Spectatorship	6	P ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors). N ARHT2055	Semester 1
ARHT2657 Contemporary Hollywood	6	P ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors). N ARHT2057	Semester 2
ARHT2810 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2811 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2812 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2813 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2814 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT4011 Art History and Theory Honours A	12	P Students wishing to do Honours in 2007 should have results of credit or better in at least 48 senior ARHT credit points, including the special entry unit ARHT2901 Recent Approaches to Art and Film or ARHT2601 Recent Approaches to Art and Film. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT4012 Art History and Theory Honours B	12	C ARHT4011	Semester 1 Semester 2
ARHT4013 Art History and Theory Honours C	12	C ARHT4012	Semester 1 Semester 2
ARHT4014 Art History and Theory Honours D	12	C ARHT4013	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Arts (no major available)			
ARTS1000 eSearch to Research: Library Skills			Semester 1 Semester 2
Asian Studies			
ASNS1001 Modern Asian History and Cultures 1	6		Semester 1
ASNS1002 Modern Asian History and Cultures 2	6		Semester 2
ASNS1101 Introduction to Chinese Civilisation	6	A No prior knowledge is assumed. All teaching and all assigned readings are in English; however, a Chinese-language tutorial option may be provided.	Semester 1
ASNS1801 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2611 China's Last Dynasties: What Changed?	6	A Students with no prior knowledge of Chinese history are encouraged to read an introductory textbook (e.g. Ebrey, The Cambridge Illustrated History of China) before the start of the semester. P 12 credit points in Asian Studies or an Asian language or Government, History, Economic History, Anthropology or Sociology, or any combination of the above. N ASNS2111 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2618 Remaking Chinese Society, 1949-Present	6	A Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (e.g. Edwin E. Moise. Modern China: A History. Second edition. Longman, 1994) before the start of the semester. P 12 credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology, or any combination of the above. N ASNS2118 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program. The information provided here applies to the version of this unit offered in the regular semester. Appropriate adjustments are made for the Summer School version when available.	Semester 1
ASNS2622 Buddhist Scriptures	6	P 18 Junior credit points made up from Table A, but may include PALI1001 or PALI1002 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2623 India: Tradition and Modernity	6	P 18 Junior credit points made up from Table A, but may include PALI1001 or PALI1002 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
ASNS2631 The Origins of Japanese Tradition	6	P 12 Junior credit points in Asian Studies, History, Government and International Relations and/or an Asian language This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2632 Modern Japanese Social History	6	P 12 credit points in Asian Studies, History, Government and International Relations and/or an Asian language N ASNS2308 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
ASNS2634 Samurai and Merchants: Tokugawa Japan	6	P 12 credit points in Asian Studies, History, Economic History, Government and International Relations, and/or an Asian language N ASNS2304 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2640 Mass Media in Korea	6	P 12 Junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language N KRNS2511, KRNS2611, ASNS2511 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2 Summer Main
ASNS2642 Modern Korea	6	P 12 credit points in Asian Studies, Media Studies, History, Government and/or an Asian language N ASNS2502	Semester 2
ASNS2651 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2652 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2653 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2654 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2655 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2656 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2660 Islam, Trade & Society-Arabia to SE Asia This unit of study is not available in 2007	6	P 12 Junior credit points in Arab World, Islam and the Middle East, Asian Studies, History, Economic History, Government and Public Administration and/or an Asian Language N ASNS 2402	
ASNS2661 History of Modern Indonesia	6	P 12 Junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language or departmental permission N INMS2901, ASNS2401 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ASNS2663 Social Activism in Southeast Asia	6	P 12 Junior credit points in Asian Studies, History, Government and International Relations, Sociology, Anthropology, or an Asian language or departmental permission <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASNS2670 Mass Media in East Asia	6	P 12 Junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. N KRNS2600, ASNS2600	Semester 1
ASNS3617 Citizens and Politics in China Today	6	P 12 credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology or any combination of the above <i>This unit will be taught in English, but a Chinese-language tutorial option may be provided. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASNS3690 Approaches to Research in Asian Studies	6	P Credit average or above in a minimum of 30 Senior credit points of Asian Studies or Asian language N ASNS3902, JPNS3902, CHNS3902, INMS3902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASNS4011 Asian Studies Honours A	12	P A major in Asian Studies or in an Asian language; ASNS3690; 48 senior credit points; credit average in all qualifying units of study. Please contact the Asian Studies Program Director for any problem in the prerequisites. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ASNS4012 Asian Studies Honours B	12	C ASNS4011	Semester 1 Semester 2
ASNS4013 Asian Studies Honours C	12	C ASNS4012	Semester 1 Semester 2
ASNS4014 Asian Studies Honours D	12	C ASNS4013	Semester 1 Semester 2
Australian Literature			
ASLT2601 Australian Literature 1920-1960	6	P 18 junior credit points N ASLT2001	Semester 1
ASLT2602 Australian Literature 1960-1988	6	P 18 junior credit points N ASLT2002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2 Summer Main
ASLT2605 Reorientations in Australian Literature	6	P 18 junior credit points N ASLT2005 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASLT2615 Shooting Back: 4th World Writing & Film	6	P 18 junior credit points	Semester 1
ASLT3601 Australian Literature Research Methods	6	P 12 senior credit points in Australian Literature with credit average N ASLT3901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ASLT3602 Australian Literature Research Issues	6	P 12 senior credit points in Australian Literature with Credit average and ASLT3601 N ASLT3902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASLT4011 Australian Literature Honours A	12	P Credit or above in 48 senior credit points in Australian Literature including ASLT3601 (or ASLT3901) and ASLT3602 (or ASLT3902) (may include up to 18 senior credit points of English and/or Australian Studies) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ASLT4012 Australian Literature Honours B	12	C ASLT4011	Semester 1 Semester 2
ASLT4013 Australian Literature Honours C	12	C ASLT4012	Semester 1 Semester 2
ASLT4014 Australian Literature Honours D	12	C ASLT4013	Semester 1 Semester 2
Australian Studies			
ASTR2601 Australia: Land and Nation	6	P 18 junior credit points N ASTR2001 <i>May be cross listed to a major in Australian Literature. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ASTR2603 Australian Film and National Identity	6	P 18 junior credit points N ASTR2003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
Biblical Studies			
BBCL1001 Biblical Studies 1	6		Semester 1
BBCL1002 Biblical Studies 2	6		Semester 2
BBCL2605 Literature of Second Temple Judaism	6	P BBCL1001, BBCL1002 N BBCL2005	Semester 1
BBCL2606 Jewish Apocalyptic Literature	6	P BBCL1001, BBCL1002 N BBCL2006	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BBCL4011 Biblical Studies Honours A	12	P Credit average in 48 senior credit points from Hebrew, Biblical and Jewish Studies, or the equivalent in cross-listed units of study. These credit points must include 24 senior credit points from BBCL and at least 12 senior credit points in Classical Hebrew. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BBCL4012 Biblical Studies Honours B	12	C BBCL4011	Semester 1 Semester 2
BBCL4013 Biblical Studies Honours C	12	C BBCL4012	Semester 1 Semester 2
BBCL4014 Biblical Studies Honours D	12	C BBCL4013	Semester 1 Semester 2
Chinese Studies			
CHNS1101 Chinese 1A (For Beginners)	6	A This unit of study is suitable for complete beginners and for those students who, in the department's judgement, are best advised to go back to the beginning. C Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation. N HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher <i>Note: Department permission required for enrolment</i> <i>Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.</i>	Semester 1
CHNS1102 Chinese 1B (For Beginners)	6	A One semester of Chinese at introductory level, preferably using full-form characters. P CHNS1101 N HSC Chinese for Background Speakers, eligibility for CHNS1201 or higher	Semester 2
CHNS1201 Chinese 1C (For Advanced Beginners)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with no, or very limited, knowledge of characters. C Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation N HSC Chinese for Background Speakers; eligibility for higher-level classes <i>Note: Department permission required for enrolment</i> <i>Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.</i>	Semester 1
CHNS1202 Chinese 1D (For Advanced Beginners)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. P CHNS1201 N HSC Chinese for Background Speakers; eligibility for higher-level classes	Semester 2
CHNS1801 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS1802 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2601 Chinese 2A (Lower Intermediate)	6	A One year (approx. 5 hours per week for 26 weeks) of Chinese at introductory level, preferably using full-form characters. P CHNS1102 N HSC Chinese for Background Speakers or equivalent, CHNS2101	Semester 1
CHNS2602 Chinese 2B (Lower Intermediate)	6	A Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1000 characters (preferably full-form). P CHNS2601 or CHNS2101 N HSC Chinese for Background Speakers or equivalent, CHNS2102	Semester 2
CHNS2611 Classical Chinese A	6	A Minimum of one year of Chinese at introductory level, preferably using full-form characters P CHNS1102 or CHNS1202 or CHNS2602 or CHNS3602 or CHNS3604 or CHNS2102 or CHNS3104 or CHNS2204 or department permission N HSC Chinese for Background Speakers (or equivalent)	Semester 1
CHNS2612 Classical Chinese B	6	P CHNS2611; or CHNS2111; or HSC Chinese for Background Speakers (or equivalent) plus department permission; or CHNS1313 plus department permission or CHNS2903 N CHNS2112, CHNS2904, CHNS1314	Semester 2
CHNS2650 Chinese In-Country Study A	6	A At least a year of Modern Standard Chinese at tertiary level (or equivalent) P CHNS1102 or CHNS1202 (or a sequel within the same stream); or any senior CHNS unit of study whose numeric code has 60 as the second and third digits. Native speakers of Chinese who can read Chinese fluently and seek special permission to undertake in-country study after first year must present a coherent academic rationale to the department. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2651 Chinese In-Country Study B	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2652 Chinese In-Country Study C	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2653 Chinese In-Country Study D	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2654 Chinese In-Country Study E	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2655 Chinese In-Country Study F	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2656 Chinese In-Country Study G	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2657 Chinese In-Country Study H	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2810 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2811 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2812 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2813 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CHNS3601 Chinese 3A (Upper Intermediate)	6	A Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS2602 or CHNS2102 N HSC Chinese for Background Speakers or equivalent; CHNS3103	Semester 1
CHNS3602 Chinese 3B (Upper Intermediate)	6	A Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS3601 or CHNS3103 N HSC Chinese for Background Speakers or equivalent; CHNS3104	Semester 2
CHNS3603 Chinese 4A (Advanced)	6	P CHNS1202 or CHNS3602 or CHNS3104 N HSC Chinese for Background Speakers or equivalent; CHNS2203; CHNS2204 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
CHNS3604 Chinese 4B (Advanced)	6	P CHNS3603 or CHNS2203 N HSC Chinese for Background Speakers or equivalent; CHNS2204 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
CHNS3608 Chinese for Business Purposes (A)	6	A Sound intermediate knowledge of Modern Standard Chinese P CHNS2602, CHNS1202 or CHNS2102 C CHNS3601 or CHNS3603. N HSC Chinese for Background Speakers or equivalent; CHNS3421	Semester 1
CHNS3609 Chinese for Business Purposes (B)	6	A Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. P CHNS3608 or CHNS3421 C CHNS3602 or CHNS3604 N HSC Chinese for Background Speakers or equivalent; CHNS3422	Semester 2
CHNS3632 The Novel in Premodern China	6	A Advanced or native-speaker proficiency in reading Chinese P HSC Chinese for Background Speakers (or equivalent) plus ASNS1101 or 12 other junior non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts; or CHNS1314 or CHNS3604 or CHNS2204 or department permission N CHNS3532 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
CHNS3641 Chinese Philosophy	6	A No knowledge of the Chinese language or of Chinese philosophy is required. P 12 credit points of Chinese language; or 12 non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts; or department permission. (Note: students who hope to attend the Chinese-language tutorials must have successfully completed one of the following: CHNS2612, CHNS2112, CHNS2904, CHNS1314). N CHNS3551, CHNS3451 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
CHNS3646 Classical Chinese Fiction	6	A Good grounding in Classical Chinese P CHNS2612 or CHNS2112 or CHNS1314 or CHNS2904 N CHNS3543, CHNS3443 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
CHNS4011 Chinese Honours A	12	P The minimum requirements are as follows: (1) a major in Chinese Studies plus sufficient additional credit points selected from CHNS and ASNS 261x, 361x and 211x units of study to reach 48 senior credit points; and (2) a Credit average in all qualifying units of study. In addition, ASNS3690, Approaches to Research in Asian Studies (or CHNS3902) is strongly recommended and may be counted towards the required 48 senior credit points by all students except those whose qualifying senior credit points include CHNS2601 (or 2101) and/or CHNS2602 (or 2102). Intending Honours students are advised to take as many senior credit points as possible in Chinese language and China-related subjects. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS4012 Chinese Honours B	12	P See under CHNS4011. C CHNS4011	Semester 1 Semester 2
CHNS4013 Chinese Honours C	12	P See under CHNS4011. C CHNS4012	Semester 1 Semester 2
CHNS4014 Chinese Honours D	12	P See under CHNS4011. C CHNS4013	Semester 1 Semester 2
Classical Studies			
CLCV1001 Classical Mythology	6		Semester 1
CLCV1801 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLCV1802 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS1002 Greece and Rome in Performance	6		Semester 2
CLSS2602 Magic in Greece and Rome	6	P 18 Junior credit points N CLSS2303, CLCV2303	Semester 2
CLSS2804 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS2805 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS4011 Classics Honours A	12	P Either credit results in GRKA3904/3610 and LATN3904/3610 OR credit average in 48 Senior credit points in Latin and 36 Senior credit points in Greek (Ancient) OR credit average in 48 Senior credit points in Greek (Ancient) and 36 Senior credit points in Latin. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS4012 Classics Honours B	12	C CLSS4011	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CLSS4013 Classics Honours C	12	C CLSS4012	Semester 1 Semester 2
CLSS4014 Classics Honours D	12	C CLSS4013	Semester 1 Semester 2
Comparative Literary Studies (see International Comparative Literary Studies)			
Cultural Studies			
GCST2601 Introducing Media and Popular Culture	6	P 18 Junior credit points, 12 of which must be in ANTH, ARHT, ENGL, MECO, or SCLG N WMST2001	Semester 1 Winter Main
GCST2606 Genres in Cultural Context	6	P 18 Junior credit points	Semester 1 Summer Main
GCST2608 Gender, Communities and Difference	6	P 18 Junior credit points N WMST2008 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GCST2611 Everyday Cultures	6	P 18 junior credit points N WMST2011 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GCST3603 Consumer Cultures	6	P 18 Junior credit points, including 6 credit points in GCST N WMST3003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2 Winter Main
GCST3604 Cultural Theory	6	P GCST2606, GCST2608, GCST2611, GCST2612, or GCST3603 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST4101 Arguing the Point	6	P GCST2602 (or WMST2002) at credit level or higher and an additional 36 credit points of Gender Studies N WMST4011 <i>Note: Department permission required for enrolment</i> <i>The Honours in Gender Studies and Honours in Cultural Studies programs are structured in the same way. For each, a student must enrol in GCST4101 Arguing the Point and GCST4102 Research Skills. Every student then takes four Honours Thesis units and two Honours Seminar units, in Gender Studies or Cultural Studies respectively. It is also possible to do combined Honours by enrolling in one Seminar and two Thesis units from each discipline. All Honours students are also expected to attend the Departmental research seminar series.</i>	Semester 1
GCST4102 Research Skills	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1
GCST4111 Cultural Studies Honours Seminar A	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4112 Cultural Studies Honours Seminar B	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4113 Cultural Studies Honours Thesis A	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4114 Cultural Studies Honours Thesis B	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4115 Cultural Studies Honours Thesis C	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4116 Cultural Studies Honours Thesis D	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
Digital Cultures			
ARIN1000 Digital Communication and Culture	6	Available to students enrolled in the BA (Digital Technology and Culture) and BA.	Semester 1
ARIN2600 Technocultures	6	P 18 junior credit points N ARIN3000 <i>Available to students enrolled in the BA (Digital Technology and Culture) and BA</i>	Semester 1
ARIN2610 Web Production	6	P 18 junior credit points N ARIN2100 <i>Available to students enrolled in the BA (Digital Technology and Culture) and BA.</i>	Semester 2
ARIN2620 Cyberworlds	6	P 18 junior credit points N ARIN2200 <i>Available to students enrolled in the BA (Digital Technology and Culture) and BA. May be cross-listed for a Sociology major</i>	Semester 1
ARIN2630 Digital Arts	6	P 18 junior credit points N ARIN2300 <i>Available to students enrolled in the BA (Digital Technology and Culture) and BA. May be cross-listed for an Art History and Theory major.</i>	Semester 2
ARIN2801 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2802 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARIN2803 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2804 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2805 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2806 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2807 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2808 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN3620 Researching Digital Cultures	6	P ARIN1000 and one of ISYS1003 or INFO1000 or INFO1003. N ARIN2000 <i>Available to students enrolled in the BA (Digital Technology and Culture) and BA.</i>	Semester 2
ARIN3640 Computer Games and Simulation	6	P 18 junior credit points <i>Available to students enrolled in the BA (Digital Technology and Culture) and BA.</i>	Semester 1
ARIN3650 Digital Cultures Project 1	6	P ISYS3403 (ISYS3113), ISYS3400 (ISYS3207) and ARIN3620 (ARIN2000) N ARIN3500, ARIN3600 <i>Available to BA (Digital Technology and Culture) students only.</i>	Semester 1
ARIN3660 Digital Cultures Project 2	6	P ISYS3403 (ISYS3113), ISYS3400 (ISYS3207), ARIN3620 (ARIN2000) and ARIN3650 N ARIN3500, ARIN3600 <i>Available to BA (Digital Technology and Culture) students only.</i>	Semester 2
ARIN3670 Digital Cultures Internship	6	P ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO C ARIN3670 Students will usually not enrol in ARIN3670 until the second semester of their 3rd year. N Enrolment is subject to approval by the Director of the BA (Digital Technology and Culture) program and locating an appropriate match between student and organisation. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN3680 Digital Cultures Internship Project	6	P ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO C ARIN3670	Semester 1 Semester 2
ARIN4011 Digital Cultures Honours A	12	P Completion of 48 senior credit points in the BA (Digital Technology and Culture) degree or 36 senior credit points in Digital Cultures for BA students and approved cross-listed units with an average credit or above and including two compulsory units of study: ARIN2600 Technocultures, and ARIN3620 Researching Digital Cultures. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN4012 Digital Cultures Honours B	12	C ARIN4011	Semester 1 Semester 2
ARIN4013 Digital Cultures Honours C	12	C ARIN4012	Semester 1 Semester 2
ARIN4014 Digital Cultures Honours D	12	C ARIN4013	Semester 1 Semester 2
English			
ENGL1000 Academic Writing	6	P This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native competence in written English. Students not meeting this requirement should enrol in appropriate remedial English courses before undertaking ENGL1000. ENGL1000 cannot be counted towards the junior credit points required to enrol in senior units of English, though it can be counted as an elective in most degree programs.	Semester 1 Semester 2 Summer Main Winter Main
ENGL1002 Narratives of Romance and Adventure	6		Semester 2
ENGL1007 Language, Texts and Time	6		Semester 2
ENGL1015 Inventing Modernity	6		Semester 1
ENGL1025 Fiction, Film and Power	6		Semester 1
ENGL1801 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL1802 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2600 Anglo-Saxon Norse and Celtic Studies	6	P 12 junior credit points of English excluding ENGL1000	Semester 1
ENGL2613 Literature and Politics	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2013	Semester 2
ENGL2629 Victorian Literature	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2029	Semester 2 Summer Main
ENGL2635 Contemporary American Literature	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2035	Semester 1
ENGL2636 The English Bible and English Literature	6	P 12 Junior credit points of English excluding ENGL1000 N ENGL2036	Semester 1
ENGL2638 Literature and Cinema	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2038	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ENGL2640 Shakespeare	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2040	Semester 1
ENGL2641 The 18th Century: Authority and Anxiety	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2041	Semester 1
ENGL2649 The World of Fantasy	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2049	Semester 2
ENGL2652 Modern Rhetoric	6	P 12 junior credit points of English excluding ENGL1000 N ENGL2052 <i>May be cross listed to a major in Linguistics</i>	Semester 2
ENGL2653 Varieties of English Grammar	6	P 12 junior credit points in English (excluding ENGL1000) or Linguistics N ENGL2053	Semester 1
ENGL2656 From the Metaphysicals to Milton	6	P 12 junior credit points of English excluding ENGL1000	Semester 2
ENGL2811 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2812 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2813 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2814 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2815 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2816 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2817 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2818 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL3603 Contemporary British Literature	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3604 Cinematic Modernism	6	P Credit or above in 18 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3611 English Language and Literary Theory A	6	A Any one of ENGL2619, ENGL2019, LINGS3601, LINGS2603, SMTC2001, SMTC2002. P Credit or above in 12 senior credit points of English N ENGL3915 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3612 English Language and Literary Theory B	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3621 Studies in Medieval Languages A	6	P Credit or above in 12 senior credit points of English N ENGL3911 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3622 Studies in Medieval Languages B	6	P Credit or above in 12 senior credit points of English N ENGL3921 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3631 Further Studies in Medieval Languages A	6	P Credit or above in 12 senior credit points of English N ENGL3916 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3632 Further Studies in Medieval Languages B	6	P Credit or above in 12 senior credit points of English N ENGL3926 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3642 Studies in Medieval Literatures	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3652 Studies in Early Modern English B	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3661 The Long Nineteenth Century A	6	P Credit or above in 12 senior credit points of English N ENGL3924 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3662 The Long Nineteenth Century B	6	P Credit or above in 12 senior credit points of English N ENGL3923 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3961 English: The Language and the Canon	6	P Credit or above in 18 senior credit points of English C ENGL3962 N ENGL2901, ENGL2902 <i>Note: Department permission required for enrolment</i> <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ENGL3962 English: The Text and the Critic	6	P Credit or above in 18 senior credit points of English C ENGL3961 N ENGL3910, ENGL3920 <i>Note: Department permission required for enrolment</i> <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL4101 English Honours A	12	P Credit average in 48 senior English points, including either (a) ENGL2901, ENGL2902 and ENGL3692, or (b) ENGL3691 and ENGL3692; AND (c) any two advanced units except ENGL3601. Candidates who were eligible for Honours candidacy according to the Department's guidelines as they were until 2003 should consult the Honours coordinator. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL4102 English Honours B	12	C ENGL4101	Semester 1 Semester 2
ENGL4103 English Honours C	12	C ENGL4102	Semester 1 Semester 2
ENGL4104 English Honours D	12	C ENGL4103	Semester 1 Semester 2
European and Middle Eastern Studies			
EUST2805 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST2806 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST2807 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST4011 European Studies Honours A	12	P Permission of Centre for European Studies <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST4012 European Studies Honours B	12	C EUST4011	Semester 1 Semester 2
EUST4013 European Studies Honours C	12	C EUST4012	Semester 1 Semester 2
EUST4014 European Studies Honours D	12	C EUST4013	Semester 1 Semester 2
Film Studies			
FILM4101 Film Studies Honours A	12	P Film Studies Honours IV candidates have obtained results of credit or above in at least 48 senior credit points, within the Film Studies Major. One of these units must include the compulsory core unit for the Film Studies Major, which is ARHT2652 From Silent to Sound Cinema (or ARHT2052). In 2005 only the core unit was ARHT2056 National and Transnational Cinema). <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM4102 Film Studies Honours B	12	C FILM4101	Semester 1 Semester 2
FILM4103 Film Studies Honours C	12	C FILM4102	Semester 1 Semester 2
FILM4104 Film Studies Honours D	12	C FILM4103	Semester 1 Semester 2
French Studies			
FRNC1611 Junior French 1	6	P Complete beginners, or less than 2 years of French, or less than 65% in Beginners HSC French N FRNC1101	Semester 1 Summer Late Winter Main
FRNC1612 Junior French 2	6	P FRNC1611 or FRNC1101 or equivalent N FRNC1102	Semester 2
FRNC1621 Junior French 3	6	P Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent N FRNC1201	Semester 1
FRNC1622 Junior French 4	6	P FRNC1621 or FRNC1201 or equivalent N FRNC1202	Semester 2
FRNC1631 Junior French 5	6	P HSC French Continuers and Extension or more than 80% in Continuers French N FRNC1301	Semester 1
FRNC1632 Junior French 6	6	P FRNC1631 or FRNC1301 or equivalent N FRNC1302	Semester 2
FRNC1801 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC1802 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2611 Senior French 1	6	P FRNC1622, FRNC1612, FRNC1202, FRNC1102 or equivalent N FRNC2103	Semester 1
FRNC2612 Senior French 2	6	P FRNC2611, FRNC2103 or equivalent N FRNC2104	Semester 2
FRNC2614 French Reading 1: Text and Society	6	P FRNC1612, FRNC1622, FRNC1102, FRNC1202 or equivalent N FRNC2621, FRNC3631, FRNC2501, FRNC3621, FRNC3622 <i>This unit is required for students intending to major or take options in their third year</i>	Semester 1
FRNC2615 French Reading 2: Literature and Film	6	P FRNC2614, FRNC2501 or equivalent N FRNC2502, FRNC2622, FRNC3631, FRNC3621, FRNC3622	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
FRNC2621 Senior French 3	6	P FRNC2612, FRNC2104 or equivalent N FRNC3105	Semester 1
FRNC2622 Senior French 4	6	P FRNC2621, FRNC3105 or equivalent N FRNC3106	Semester 2
FRNC2651 Introduction à la Linguistique	6	P FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent N FRNC2602	Semester 2
FRNC2666 Research Methods in French Studies	6	P Credit in FRNC1632 or FRNC2615 or FRNC1302 or FRNC2502	Semester 2
FRNC2681 French Narrative Cinema	6	P FRNC1632, FRNC1302, FRNC2615 or FRNC2502 N FRNC2802	Semester 1
FRNC2682 The Legend of the Holy Grail	6	P FRNC1302, FRNC2502, FRNC1632, FRNC2615 or equivalent N FRNC2901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
FRNC2691 Revolution and Social Thought	6	P FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent N FRNC2701 <i>FRNC2691 is primarily designed for students from the second year advanced and third year beginner/intermediate streams.</i>	Semester 1
FRNC2803 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2804 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2805 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2806 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2807 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2808 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC3621 Senior French 5	6	P FRNC1632, FRNC1302 or equivalent N FRNC2303	Semester 1
FRNC3622 Senior French 6	6	P FRNC3621, FRNC2303 or equivalent. N FRNC2304	Semester 2
FRNC3631 Senior French 7	6	P FRNC3622, FRNC2304 or equivalent N FRNC3305	Semester 1
FRNC3672 Francophone Studies 2	6	P FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent	Semester 2
FRNC3688 Franco-Australian Connections	6	P FRNC1302 or FRNC1632 or FRNC2502 of FRNC2615 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
FRNC3801 French In-Country Study	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC4011 French Honours A	12	P Major in Advanced French or in French with credit average in 48 Senior units, including the following units: FRNC2666 and FRNC3631 or equivalent <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC4012 French Honours B	12	C FRNC4011	Semester 1 Semester 2
FRNC4013 French Honours C	12	C FRNC4012	Semester 1 Semester 2
FRNC4014 French Honours D	12	C FRNC4013	Semester 1 Semester 2
Gender Studies			
GCST2602 Suffragettes to Cyborgs	6	P 18 Junior credit points N WMST2002	Semester 2
GCST2604 Sex, Violence and Transgression	6	P 18 Junior credit points N WMST2004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2 Summer Main
GCST2609 Cultures of Masculinities	6	P 18 Junior credit points N WMST2009 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1 Summer Main
GCST2610 Intimacy, Love and Friendship	6	P 18 Junior credit points N WMST2010 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST2804 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2805 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2806 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2810 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GCST2811 Gender Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GCST3601 Gender, Race and Australian Identities	6	P 18 Junior credit points, including 6 credit points in GCST N WMST3001 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
GCST3603 Consumer Cultures	6	P 18 Junior credit points, including 6 credit points in GCST N WMST3003 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2 Winter Main
GCST3604 Cultural Theory	6	P GCST2606, GCST2608, GCST2611, GCST2612, or GCST3603 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
GCST4101 Arguing the Point	6	P GCST2602 (or WMST2002) at credit level or higher and an additional 36 credit points of Gender Studies N WMST4011 Note: Department permission required for enrolment The Honours in Gender Studies and Honours in Cultural Studies programs are structured in the same way. For each, a student must enrol in GCST4101 Arguing the Point and GCST4102 Research Skills. Every student then takes four Honours Thesis units and two Honours Seminar units, in Gender Studies or Cultural Studies respectively. It is also possible to do combined Honours by enrolling in one Seminar and two Thesis units from each discipline. All Honours students are also expected to attend the Departmental research seminar series.	Semester 1
GCST4102 Research Skills	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1
GCST4103 Gender Studies Honours Seminar A	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1 Semester 2
GCST4104 Gender Studies Honours Seminar B	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1 Semester 2
GCST4105 Gender Studies Honours Thesis A	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1 Semester 2
GCST4106 Gender Studies Honours Thesis B	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1 Semester 2
GCST4107 Gender Studies Honours Thesis C	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1 Semester 2
GCST4108 Gender Studies Honours Thesis D	6	C GCST4101 Note: Department permission required for enrolment See GCST4101	Semester 1 Semester 2
WMST4011 Gender Studies Honours A	12	P GCST2602 (or WMST2002) at credit level or higher and an additional 36 credit points of Gender Studies Note: Department permission required for enrolment Available only to students who commenced Gender Studies Honours before 2007	Semester 1 Semester 2
WMST4012 Gender Studies Honours B	12	C WMST4011 Available only to students who commenced Gender Studies Honours before 2007	Semester 1 Semester 2
WMST4013 Gender Studies Honours C	12	C WMST4012 Available only to students who commenced Gender Studies Honours before 2007	Semester 1 Semester 2
WMST4014 Gender Studies Honours D	12	C WMST4013 Available only to students who commenced Gender Studies Honours before 2007	Semester 1 Semester 2
Germanic Studies			
GRMN1111 Junior German 1	6	N HSC German Extension, German Continuers, German Beginners 70% or above or equivalent Note: Department permission required for enrolment	Semester 1
GRMN1122 Junior German 2	6	P GRMN1111	Semester 2
GRMN1211 Junior German 3	6	P HSC German Beginners 70% or above or German Continuers below 70% or equivalent	Semester 1
GRMN1222 Junior German 4	6	P GRMN1211	Semester 2
GRMN1311 Junior German 5	6	P HSC German Extension or German Continuers 70% or above or equivalent	Semester 1
GRMN1322 Junior German 6	6	P GRMN1311	Semester 2
GRMN2611 Senior German 1	6	P GRMN1122 N GRMN2211, GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 1
GRMN2612 Senior German 2	6	P GRMN2611 or GRMN2211 N GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 2
GRMN2613 Senior German 3	6	P GRMN1222 or GRMN2222 or GRMN2612 N GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 1
GRMN2614 Senior German 4	6	P GRMN2613 or GRMN2311 N GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 2
GRMN2615 Senior German 5	6	P GRMN2322 or GRMN2614 N GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GRMN2616 Senior German 6	6	P GRMN1322 or GRMN2615 N GRMN2342, GRMN2351, GRMN2362	Semester 1
GRMN2617 Senior German 7	6	P GRMN2331 or GRMN2616 N GRMN2351, GRMN2362	Semester 2
GRMN2618 Senior German 8	6	P GRMN2342 or GRMN2617 N GRMN2362	Semester 1
GRMN2631 Reading Comprehension and Text Study	6	P (GRMN1111 and GRMN1122) or (GRMN1211 and GRMN1222) N GRMN1311, GRMN1322, GRMN2342, GRMN2616, GRMN2530, GRMN2351, GRMN2617, GRMN2362, GRMN2618	Semester 1
GRMN2632 Early 20th Century German Culture	6	P 12 Junior credit points of German not including GRMN1133 N GRMN2450	Semester 1
GRMN2634 The Fantastic in German Literature	6	P 12 Junior credit points of German not including GRMN1133	Semester 2
GRMN2636 Later 20th Century German Culture	6	P 12 Junior credit points of German not including GRMN1133 N GRMN2420, GRMN2451	Semester 1
GRMN2637 Business German	6	P GRMN1222, GRMN1322, GRMN2222 or GRMN2612	Semester 2
GRMN2638 Gender & Sexuality in German Literature	6	P 12 Junior credit points of German not including GRMN1133 N GRMN2950	Semester 2
GRMN2681 Goethe's 'Faust'	6	P Credit average in 12 Junior credit points of German not including GRMN1133 N GRMN2910, GRMN2912 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GRMN2683 German Literature and Culture	6	P Credit average in 12 Junior credit points of German not including GRMN1133	Semester 2
GRMN2811 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2812 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2813 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2814 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2815 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN4011 German Honours A	12	P A major in German with a Credit average in 48 Senior credit points of German including 12 credit points of special honours entry units (2680 level) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN4012 German Honours B	12	C GRMN4011	Semester 1 Semester 2
GRMN4013 German Honours C	12	C GRMN4012	Semester 1 Semester 2
GRMN4014 German Honours D	12	C GRMN4013	Semester 1 Semester 2
Global Studies			
GBST1001 Global Studies: Themes and Approaches	6	<i>Available to Bachelor of Global Studies students only</i>	Semester 1
GBST2801 Global Studies Exchange 1	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2802 Global Studies Exchange 2	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2803 Global Studies Exchange 3	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2804 Global Studies Exchange 4	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2805 Global Studies Exchange 5	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2806 Global Studies Exchange 6	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2807 Global Studies Exchange 7	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2808 Global Studies Exchange 8	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Greek (Ancient)			
GRKA1001 Greek 1.1	6	N GRKA1101	Semester 1
GRKA1002 Greek 1.2	6	P GRKA1001 N GRKA1102	Semester 2
GRKA2603 Greek 2.1	6	P GRKA1002 or GRKA2302 and GRKA2312 or GRKA2612 N GRKA1101, GRKA1102, GRKA2003	Semester 1
GRKA2604 Greek 2.2	6	P GRKA 2003 or GRKA2603 N GRKA1102, GRKA2004	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GRKA2605 Greek 2.3	6	P 12 credit points in Greek (GRKA) C GRKA2603 or GRKA3607 N GRKA2901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GRKA2606 Greek 2.4	6	P 12 senior credit points of GRKA C GRKA2604 or GRKA3608 N GRKA2902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GRKA2611 Accelerated Greek 2.1	6	P 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation/ Classical Studies or Latin or Ancient History or Philosophy or Modern Greek, or by special permission. N GRKA1001, GRKA2301	Semester 1
GRKA2612 Accelerated Greek 2.2	6	P GRKA2301 or GRKA2611 N GRKA1002, GRKA2302	Semester 2
GRKA2804 Greek (Ancient) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRKA2805 Greek (Ancient) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRKA3607 Greek 3.1	6	P GRKA2004 or GRKA2604 N GRKA3005	Semester 1
GRKA3608 Greek 3.2	6	P GRKA3005 or GRKA3607 N GRKA3006	Semester 2
GRKA3609 Greek 3.3	6	P 24 credit points of Senior Greek N GRKA3903 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GRKA3610 Greek 3.4	6	P GRKA3903 or GRKA3609 N GRKA3904 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GRKA4011 Greek Honours A	12	P Credit average in 24 credit points of Greek at 3000 level <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRKA4012 Greek Honours B	12	P Refer to GRKA4011 C GRKA4011	Semester 1 Semester 2
GRKA4013 Greek Honours C	12	P Refer to GRKA4011 C GRKA4012	Semester 1 Semester 2
GRKA4014 Greek Honours D	12	P Refer to GRKA4011 C GRKA4013	Semester 1 Semester 2
Hebrew (Classical)			
HBRW1111 Hebrew Classical B1	6	N HBRW1311, HBRW2631	Semester 1
HBRW1112 Hebrew Classical B2	6	P HBRW1111 N HBRW1312, HBRW2632	Semester 2
HBRW2623 Hebrew Classical 3	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW2115 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
HBRW2624 Hebrew Classical 4	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW2116 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
HBRW2631 Hebrew Accelerated C1	6	P 18 Junior credit points including 12 credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies C 6 senior credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies. N HBRW1111, HBRW1112, HBRW2401	Semester 1
HBRW2632 Hebrew Accelerated C2	6	P HBRW2401 or HBRW2631 N HBRW1112, HBRW2402	Semester 2
HBRW2641 Aramaic 1	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW3901	Semester 1
HBRW2642 Aramaic 2	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW3902	Semester 2
HBRW2651 Syriac 1	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW2911	Semester 1
HBRW2652 Syriac 2	6	P HBRW2911 or HBRW2651 N HBRW2912	Semester 2
HBRW2661 Akkadian Language 1	6	P HBRW1111 and HBRW1112 or equivalent in these or another Semitic language N ANHS3923	Semester 1
HBRW2662 Akkadian Language 2	6	P ANHS3923 or HBRW2661 N ANHS3922	Semester 2
HBRW3653 Syriac 3	6	P HBRW2912 or HBRW2652 N HBRW3911	Semester 1
HBRW3654 Syriac 4	6	P HBRW3911 or HBRW3653 N HBRW3912	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HBW4011 Hebrew (Classical) Honours A	12	P 48 Senior credit points consisting of (HBW2113 or HBW2623) and (HBW2114 or HBW2624) and (HBW2115 or HBW2625) and (HBW2116 or HBW2626); plus 24 credit points from the Department of Hebrew, Biblical and Jewish Studies including at least 12 credit points from HBW units <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HBW4012 Hebrew (Classical) Honours B	12	C HBW4011	Semester 1 Semester 2
HBW4013 Hebrew (Classical) Honours C	12	C HBW4012	Semester 1 Semester 2
HBW4014 Hebrew (Classical) Honours D	12	C HBW4013	Semester 1 Semester 2
Hebrew (Modern)			
HBW1011 Hebrew Modern B1	6		Semester 1
HBW1102 Hebrew Modern B2	6	P HBW1011 or equivalent knowledge as determined by the department N HBW1302	Semester 2
HBW2603 Hebrew Modern 3	6	P HBW1102 or equivalent knowledge as determined by the department N HBW2103	Semester 1
HBW2604 Hebrew Modern 4	6	P HBW1102 or equivalent knowledge as determined by the department N HBW2104	Semester 2
HBW2605 Hebrew Modern 5	6	P HBW1102 or equivalent knowledge as determined by the department N HBW2105	Semester 1
HBW2606 Hebrew Modern 6	6	P HBW1102 or equivalent knowledge as determined by the department N HBW2106	Semester 2
HBW2607 Hebrew Modern 7	6	P HBW2106 or HBW2606 or Modern Hebrew HSC or equivalent knowledge as determined by the department N HBW1301	Semester 1
HBW2608 Hebrew Modern 8	6	P HBW1301 or HBW2607 or equivalent knowledge as determined by the department N HBW1302	Semester 2
HBW2609 Hebrew Modern 9	6	P HBW1302 or HBW2608 or equivalent knowledge as determined by the department N HBW2303	Semester 1
HBW2610 Hebrew Modern 10	6	P HBW1302 or HBW2608 or equivalent knowledge as determined by the department N HBW2304	Semester 2
HBW2611 Hebrew Modern 11	6	P HBW2608 or equivalent knowledge as determined by the department N HBW2305	Semester 1
HBW2612 Hebrew Modern 12	6	P HBW1302 or HBW2608 or equivalent knowledge as determined by the department N HBW2306	Semester 2
HBW4021 Hebrew (Modern) Honours A	12	P Credit or better at 36 credit points of Modern Hebrew from among HBW2607 to HBW2612 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HBW4022 Hebrew (Modern) Honours B	12	C HBW4021	Semester 1 Semester 2
HBW4023 Hebrew (Modern) Honours C	12	C HBW4022	Semester 1 Semester 2
HBW4024 Hebrew (Modern) Honours D	12	C HBW4023	Semester 1 Semester 2
Heritage Studies			
HRTG2601 Approaching Heritage Studies	6	P At least 18 junior credit points N HRTG2001	Semester 1
HRTG2602 The Museum and Cultural Heritage	6	P HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 N HSTY2022	Semester 2
HRTG2804 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2805 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2806 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2809 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2810 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG3601 Heritage Museums and the Public Sphere	6	P HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 N HRTG3001	Semester 1
HRTG3602 Social History and Heritage Studies	6	P HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 N HRTG3002	Semester 2
Hindi-Urdu			
HIUR1001 Hindi and Urdu Introductory 1	6		Semester 1
HIUR1002 Hindi and Urdu Introductory 2	6	P HIUR1001	Semester 2
HIUR2601 Hindi and Urdu Intermediate 1	6	P HIUR1002 or equivalent N HIUR2001	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HIUR2602 Hindi and Urdu Intermediate 2	6	P HIUR2001 or HIUR2601 or equivalent N HIUR2002	Semester 2
HIUR3601 Hindi and Urdu Advanced 1	6	P HIUR2002 or HIUR2602 or equivalent N HIUR3001	Semester 1
HIUR3602 Hindi and Urdu Advanced 2	6	P HIUR3001 or HIUR3601 or equivalent N HIUR3002	Semester 2
History			
HSTY1022 Europe in the High Middle Ages	6		Semester 1
HSTY1034 Early Modern Europe 1500-1750	6		Semester 2
HSTY1044 Twentieth Century Politics and Culture	6	N HSTY1043	Semester 2
HSTY1045 Modern European History 1750-1914	6		Semester 1
HSTY1076 American History from Lincoln to Clinton	6	N HSTY2035	Semester 1
HSTY1088 Australian History: An Introduction	6		Semester 2
HSTY1801 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY1802 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2601 Religion & Society: Conversion & Culture	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2001	Semester 1
HSTY2604 Popular Culture in Australia 1880-1930	6	P 12 credit points of junior History N HSTY2004	Semester 2
HSTY2619 Australia to 1888	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2019	Semester 1
HSTY2621 Greater China	6	P 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture. N HSTY2021	Semester 1
HSTY2629 Sex and Scandal	6	P 12 credit points of History, Ancient History, or Asian Studies N HSTY2029	Semester 1 Summer Late
HSTY2650 European Conquests 1500-1750	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. N HSTY2050	Semester 1
HSTY2651 Spanish Civil War	6	P 12 credit points of junior History, Ancient History, Asian Studies or Spanish Language N HSTY2051	Semester 1
HSTY2652 Genocide in Historical Perspective	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2052	Semester 2
HSTY2656 A House Divided: The American Civil War	6	P 12 credit points of junior History, Ancient History, Economic, or Asian History and Culture N HSTY2056	Semester 2
HSTY2659 Nationalism	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2059	Semester 1 Summer Late
HSTY2660 Violence in Italy	6	P 12 credit points of Junior History, Ancient History or Economic History N HSTY2060	Semester 1
HSTY2661 Medicine and Sex	6	P 12 credit points of Junior History, Ancient History or Economic History N WMST2006, HSTY2061	Semester 2
HSTY2662 Atlantic World in the Age of Empire	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2062	Semester 2
HSTY2664 Communicating Culture in the Middle Ages	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2064	Semester 2
HSTY2667 Politics and Cultures of US Imperialism	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2067	Semester 2 Winter Main
HSTY2668 The Rise and Fall of the First Reich	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2068	Semester 2
HSTY2691 Writing History	6	P 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture. N HSTY2901, ANHS2691 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
HSTY2805 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2806 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2809 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HSTY2810 History Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
HSTY2811 History Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
HSTY3601 History of Travel and Tourism	6	P 24 Senior credit points of History N HSTY3001 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
HSTY3612 Sydney: An Autobiography	6	P 24 Senior credit points in History	Semester 2 Winter Main
HSTY3640 Film in Black and White	6	P 24 senior credit points of History	Semester 2
HSTY3651 Writing Place: Land & Memory in History	6	P 24 Senior credit points of History This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
HSTY3670 Problems and Sources in British History	6	P 24 senior credit points in History This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
HSTY3671 American Utopias	6	P 24 senior credit points of History This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
HSTY3672 American Freakery	6	P 24 senior credit points of History	Semester 2
HSTY3683 Race, Empire and Bondage	6	P 24 Senior credit points of History N HSTY3083 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
HSTY3685 The Celtic World	6	P 24 Senior credit points in History N HSTY3085 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
HSTY3686 Democratisation in the Asia-Pacific I	6	P 24 Senior credit points in History N HSTY3086	Semester 1
HSTY3687 Democratisation in the Asia-Pacific II	6	P 24 Senior credit points of History N HSTY3087	Semester 2
HSTY3691 The History of Love in Australia	6	P 24 Senior credit points of History N HSTY3091, HSTY3092 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
HSTY3695 Travels with Celts	6	P 24 senior credit points of History This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
HSTY3696 Daughters of Eve	6	P 24 Senior credit points of History N HSTY3096 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
HSTY3698 Class Struggles in the Atlantic World	6	P 24 senior credit points of History N HSTY3098 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
HSTY3699 Public & Private Life: Britain 1707-1901 This unit of study is not available in 2007	6	P 24 Senior credit points of History N HSTY3099 This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	
HSTY4011 History Honours A	12	P 48 senior credit points of History, including HSTY2691 and one History unit of study at 3000 level, with an average mark in those units of study of credit or better Note: Department permission required for enrolment	Semester 1 Semester 2
HSTY4012 History Honours B	12	P See under HSTY4011 C HSTY4011	Semester 1 Semester 2
HSTY4013 History Honours C	12	P See under HSTY4011 C HSTY4012	Semester 1 Semester 2
HSTY4014 History Honours D	12	P See under HSTY4011 C HSTY4013	Semester 1 Semester 2
Indonesian and Malay Studies			
INMS1101 Indonesian 1A	6	N Native or near native speakers of Indonesian or Malay, HSC Continuers, or Extension Indonesian or Beginners Indonesian with 75% or above or equivalent	Semester 1
INMS1102 Indonesian 1B	6	P INMS1101 N INMS1301, INMS1302	Semester 2
INMS2601 Indonesian 2A	6	P INMS1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission N 8 credit point units of study numbered INMS2101 or above	Semester 1
INMS2602 Indonesian 2B	6	P INMS2101 or INMS2601 N 8 credit point units of study numbered INMS2102 or above	Semester 2
INMS2650 Indonesian In Country Study A	6	P INMS1102 or INMS2101 or INMS2601 Note: Department permission required for enrolment	Semester 1 Semester 2
INMS2651 Indonesian In Country Study B	6	P INMS1102 or INMS2101 or INMS2601 Note: Department permission required for enrolment	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
INMS2652 Indonesian In Country Study C	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2653 Indonesian In Country Study D	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2654 Indonesian In Country Study E	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2655 Indonesian In Country Study F	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2656 Indonesian In Country Study G	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2657 Indonesian In Country Study H	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2805 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2806 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2807 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2808 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS3601 Indonesian 3A	6	P INMS2102 or INMS2602 department permission N 8 credit point units of study numbered INMS3101 or above	Semester 1
INMS3602 Indonesian 3B	6	P INMS3101 or INMS3601 N 8 credit points of units of study numbered INMS3102 or above	Semester 2
INMS3605 Indonesian Advanced Studies C	6	P INMS3102 or INMS3602 or departmental permission <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
INMS3606 Indonesian Advanced Studies D	6	P INMS3102 or INMS3602 or department permission <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
INMS4011 Indonesian and Malay Studies Honours A	12	P INMS3102 or INMS3302 and INMS3902, all at Credit level <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS4012 Indonesian and Malay Studies Honours B	12	C INMS4011	Semester 1 Semester 2
INMS4013 Indonesian and Malay Studies Honours C	12	C INMS4012	Semester 1 Semester 2
INMS4014 Indonesian and Malay Studies Honours D	12	C INMS4013	Semester 1 Semester 2
International and Comparative Literary Studies			
ICLS2633 Cities of the World	6	P 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject; or special permission by the Director of International Comparative Literary Studies	Semester 1
ICLS2634 Literature and Revolution	6	P 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject; or special permission by the Director of International Comparative Literary Studies	Semester 1
ICLS2635 Science Fiction: The Future is Now	6	P 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject; or special permission by the Director of International Comparative Literary Studies.	Semester 2
Italian Studies			
ITLN1611 Introductory Italian 1	6	N ITLN1201, ITLN1301, ITLN1621, ITLN1631, ITLN1101 <i>A student who is qualified to enter a higher level course may not enrol in a lower level course. Students who have taken HSC Italian and students who have any formal training from other sources are required to identify themselves to the department as soon as possible.</i>	Semester 1 Summer Main
ITLN1612 Introductory Italian 2	6	P ITLN1611, ITLN1101 or equivalent N ITLN1202, ITLN1302, ITLN1632, ITLN1102	Semester 2
ITLN1621 Junior Intermediate Italian 1	6	P HSC Italian (Beginners or 2UZ) or equivalent language knowledge N ITLN1101, ITLN1301, ITLN1611, ITLN1631, ITLN1201	Semester 1
ITLN1631 Junior Advanced Italian 1	6	P HSC Italian (Continuers, Extension, 2U, 3U) or equivalent language knowledge. N ITLN1201, ITLN1101, ITLN1621, ITLN1611, ITLN1301	Semester 1
ITLN1632 Junior Advanced Italian 2	6	P ITLN1201, ITLN1621 or ITLN1631 N ITLN1102, ITLN1302, ITLN1402	Semester 2
ITLN1801 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN1802 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2611 Intermediate Italian 3	6	P ITLN1612, ITLN1102 or equivalent language knowledge N ITLN2631, ITLN2101, ITLN2201, ITLN2301	Semester 1
ITLN2612 Intermediate Italian 4	6	P ITLN2611, ITLN2101 or equivalent language knowledge. N ITLN2632, ITLN2202, ITLN 2302	Semester 2
ITLN2631 Senior Italian 3	6	P ITLN1632, ITLN1202, ITLN1302 or equivalent language knowledge N ITLN2611, ITLN2201, ITLN2101, ITLN2301	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ITLN2632 Senior Italian 4	6	P ITLN2631, ITLN2201 or ITLN2301 N ITLN2612, ITLN2202, ITLN2302	Semester 2
ITLN2811 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2812 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2813 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2814 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2815 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2816 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2817 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN3611 Senior Italian 5	6	P ITLN2612, ITLN2202 or equivalent language knowledge N ITLN3631, ITLN3201, ITLN3301	Semester 1
ITLN3612 Senior Italian 6	6	P ITLN3611, ITLN3201 or equivalent language knowledge N ITLN3202, ITLN3302	Semester 2
ITLN3631 Senior Italian 7	6	P ITLN2632, ITLN2302 or equivalent language knowledge N ITLN3611, ITLN3301, ITLN3201	Semester 1
ITLN3671 Dante: Inferno	6	P ITLN2612, ITLN1632, ITLN2202 or equivalent language knowledge. N ITLN3701 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ITLN3672 Dante: Purgatorio	6	A Adequate language level. P ITLN3671 or ITLN3701 N ITLN3702 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3675 Renaissance Florence	6	P ITLN1632, ITLN1202, ITLN1302, ITLN2612, ITLN2202 or equivalent language knowledge N ITLN3706 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3677 Contemporary Italian Poetry	6	P ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302 or equivalent knowledge of the language N ITLN3758 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ITLN3678 Contemporary Italian Fiction	6	P ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302 or equivalent knowledge of the language N ITLN3713	Semester 2
ITLN3680 Italian Theatre: Pirandello to Fo	6	P ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302 or equivalent language knowledge N ITLN3715	Semester 2
ITLN3682 Fiction of Youth	6	P ITLN1632, ITLN2612, ITLN1202, ITLN1302, ITLN2202 or equivalent language knowledge N ITLN3763 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ITLN3683 Debates in Contemporary Italy	6	P ITLN2101, ITLN2201, ITLN2301, ITLN2612 or ITLN2632 or equivalent language knowledge N ITLN3757 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3685 Linguistic Issues in Migration	6	P ITLN1302, ITLN1402, ITLN2202, ITLN1632 or ITLN2612 or equivalent language knowledge N ITLN3754 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ITLN3686 Italian Language Acquisition	6	P ITLN1632, ITLN2612, ITLN1302, ITLN2202 or equivalent language knowledge N ITLN3753 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3687 Focus on Writing in Italian	6	P ITLN3631, ITLN3612, ITLN3301, ITLN3202 or equivalent language knowledge N ITLN3611, ITLN3631, ITLN3401	Semester 2
ITLN3688 Advanced Italian: Translation	6	P ITLN3401, ITLN3687 N ITLN3402	Semester 2
ITLN3691 Italian Literature: 1200-1860	6	P Credit in 12 credit points of Italian N ITLN2902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ITLN3692 Italian Research Methodologies	6	P Credit average in previous Italian units and a minimum of 12 junior credit points in Italian. N ITLN2901 <i>Note: Department permission required for enrolment</i> <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN4011 Italian Honours A	12	P Students must have qualified for the award of the pass degree with a major in Italian (36 Senior credit points). They will have completed an additional 12 credit points, normally consisting of two special entry units (ITLN3691 and ITLN3692). Intending honours students should attain a Credit average result in senior Italian units of study taken as a part of their major. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN4012 Italian Honours B	12	C ITLN4011	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ITLN4013 Italian Honours C	12	C ITLN4012	Semester 1 Semester 2
ITLN4014 Italian Honours D	12	C ITLN4013	Semester 1 Semester 2
Japanese Studies			
JPNS1611 Japanese 1	6	N JPNS1111, any HSC Japanese Course	Semester 1 Summer Main Winter Main
JPNS1612 Japanese 2	6	P JPNS1111 or JPNS1611 N JPNS1121	Semester 2
JPNS1801 Japanese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS1802 Japanese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2611 Japanese 3	6	P 65% or more in HSC Japanese Beginners or less than 70% in Japanese Continuers, or JPNS1121 or JPNS1612 N JPNS1114, JPNS2212	Semester 1
JPNS2612 Japanese 4	6	P JPNS1114 or JPNS2212 or JPNS2611 N JPNS1124, JPNS2222	Semester 2
JPNS2621 Japanese 5	6	P HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department; or JPNS1124 or JPNS2222 or JPNS2612 N JPNS2213	Semester 1
JPNS2622 Japanese 6	6	P JPNS2621 or JPNS2213 N JPNS2223	Semester 2
JPNS2660 Introduction to Japan	6	P JPNS1121 or JPNS1612	Semester 2
JPNS2671 Japanese Sociolinguistics	6	P JPNS1124 or JPNS2222 or JPNS2612 N JPNS3621, JPNS3622, JPNS3631, JPNS3632, JPNS2301, JPNS2302, JPNS3301, JPNS3302	Semester 2
JPNS2672 Japanese Culture	6	P JPNS1124 or JPNS2222 or JPNS2612 N JPNS3106, JPNS2301, JPNS3621, JPNS3301, JPNS3631	Semester 1
JPNS2811 Japanese Exchange 3	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2812 Japanese Exchange 4	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2813 Japanese Exchange 5	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2814 Japanese Exchange 6	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2815 Japanese Exchange 7	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS3621 Japanese 7	6	P JPNS1123 or JPNS2223 or JPNS2622 N JPNS2301	Semester 1
JPNS3622 Japanese 8	6	P JPNS3621 or JPNS2301 N JPNS2302	Semester 2
JPNS3631 Japanese 9	6	P JPNS2302 or JPNS3622 N JPNS3301	Semester 1
JPNS3632 Japanese 10	6	P JPNS3301 or JPNS3631 N JPNS3302	Semester 2
JPNS3672 Japanese Media Issues	6	P JPNS1123 or JPNS1125 or JPNS2223 or JPNS2622	Semester 2
JPNS3673 Japanese Society	6	P JPNS1123 or JPNS2223 or JPNS2622 or JPNS1125 N JPNS3314	Semester 1
JPNS3674 Japanese Literary Tradition	6	P JPNS1123 or JPNS1125 or JPNS2223 or JPNS2622	Semester 1
JPNS3841 Japan In-Country Study 1	6	P 12 Junior JPNS credit points <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS3842 Japan In-Country Study 2	6	P 12 Junior JPNS credit points <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS4011 Japanese Honours A	12	P 'Credit' average or better in the major plus 12 additional Senior credit points, including JPNS3902 or ASNS3690 Approaches to Research in Asian Studies. They may include one 6-credit point Japan-related Asian Studies unit of study. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS4012 Japanese Honours B	12	C JPNS4011	Semester 1 Semester 2
JPNS4013 Japanese Honours C	12	C JPNS4012	Semester 1 Semester 2
JPNS4014 Japanese Honours D	12	C JPNS4013	Semester 1 Semester 2
Jewish Civilisation, Thought and Culture			
JCTC1001 Palestine: Roman Rule to Islam	6		Semester 1
JCTC1002 Jewish Settlement Outside Palestine	6	P JCTC1001	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
JCTC1801 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC2603 Jews Under the Crescent and the Cross	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 N JCTC2003 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
JCTC2604 From Expulsion to Regeneration	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 N JCTC2004 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
JCTC2605 From Emancipation to the Holocaust	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
JCTC2606 The Holocaust: History and Aftermath	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1054, HSTY1076, HSTY1088 N JCTC2006 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2 Summer Late
JCTC2607 Israel in the Modern Middle East	6	P JCTC1001 or one of HSTY1022, HSTY 1025, HSTY1031, HSTY1043, HSTY1044, HSTY1045 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
JCTC2811 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC2812 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC2813 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC2814 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC2815 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC2816 Jewish Civilization Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC4011 Judaic Studies Honours A	12	Note: Department permission required for enrolment	Semester 1 Semester 2
JCTC4012 Judaic Studies Honours B	12	C JCTC4011	Semester 1 Semester 2
JCTC4013 Judaic Studies Honours C	12	C JCTC4012	Semester 1 Semester 2
JCTC4014 Judaic Studies Honours D	12	C JCTC4013	Semester 1 Semester 2
Korean Studies			
KRNS1621 Korean 1	6	N KRNS1101	Semester 1
KRNS1622 Korean 2	6	P KRNS1621 or KRNS1101 N KRNS1102	Semester 2
KRNS1631 Korean 9	6	P Heritage speakers of Korean who have less than 2 years of formal education in Korean N KRNS1301 Note: Department permission required for enrolment	Semester 1
KRNS1632 Korean 10	6	P KRNS1301 or KRNS1631 N KRNS1302 Note: Department permission required for enrolment	Semester 2
KRNS1801 Korean Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
KRNS2621 Korean 3	6	P KRNS1102 or KRNS1622 N KRNS2001	Semester 1
KRNS2622 Korean 4	6	P KRNS2001 or KRNS2621 N KRNS2002	Semester 2
KRNS2671 Translation and Interpretation	6	P KRNS1302 or KRNS1632 or native speakers of Korean N KRNS2400	Semester 1
KRNS2672 Issues in Korean Language	6	P KRNS1302 or KRNS1632 or native speakers of Korean N KRNS2515	Semester 2
KRNS2681 Korean In-Country Study A	6	P KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631 Note: Department permission required for enrolment	Semester 1 Semester 2
KRNS2682 Korean In-Country Study B	6	P KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631 Note: Department permission required for enrolment	Semester 1 Semester 2
KRNS2811 Korean Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
KRNS2812 Korean Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
KRNS2813 Korean Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
KRNS2814 Korean Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
KRNS2815 Korean Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS3621 Korean 5	6	P KRNS2002 or KRNS2622 N KRNS3001	Semester 1
KRNS3622 Korean 6	6	P KRNS3001 or KRNS3621 N KRNS3002	Semester 2
KRNS4011 Korean Honours A	12	P Credits in all Senior KRNS units including KRNS3901 and KRNS3902 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS4012 Korean Honours B	12	P Credits in all senior KRNS units including KRNS3901 and KRNS3902 C KRNS4011	Semester 1 Semester 2
KRNS4013 Korean Honours C	12	P Credits in all senior KRNS units including KRNS3901 and KRNS3902 C KRNS4012	Semester 1 Semester 2
KRNS4014 Korean Honours D	12	P Credits in all senior KRNS units including KRNS3901 and KRNS3902 C KRNS4013	Semester 1 Semester 2
Latin			
LATN1001 Latin 1.1	6	N LATN1101	Semester 1
LATN1002 Latin 1.2	6	P LATN1001 N LATN1102	Semester 2
LATN1101 Advanced Latin 1.1	6	P HSC Latin Continuers N LATN1001	Semester 1
LATN1102 Advanced Latin 1.2	6	P LATN1101 N LATN1002	Semester 2
LATN1801 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN1802 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2603 Latin 2.1	6	P LATN1002 or LATN2312 or LATN2612 or LATN1102 N LATN2003	Semester 1
LATN2604 Latin 2.2	6	P LATN2003 or LATN2603 N LATN2004	Semester 2
LATN2605 Latin 2.3	6	P 12 credit points of Latin C 6 credit points of Latin at 2000 level N LATN2901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
LATN2606 Latin 2.4	6	P 12 credit points of Latin C 6 credit points of Latin at 2000 level N LATN2902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
LATN2611 Accelerated Latin 2.1	6	P 18 junior credit points including 12 credit points in Archaeology, Classical Civilisation / Studies, Classical Greek, Ancient History or Philosophy, or by permission. N LATN1001, LATN2301	Semester 1
LATN2612 Accelerated Latin 2.2	6	P LATN2302 or LATN2611 N LATN1002, LATN2302	Semester 2
LATN2804 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2805 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2806 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2810 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2811 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN3607 Latin 3.1	6	P 12 Senior credit points of Latin N LATN3005	Semester 1
LATN3608 Latin 3.2	6	P LATN3005 or LATN3607 N LATN3006	Semester 2
LATN3609 Latin 3.3	6	P 18 Senior credit points of Latin C 6 credit points of Latin at 3000 level N LATN3903 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
LATN3610 Latin 3.4	6	P 18 Senior credit points of Latin C 6 credit points of Latin at 3000 level N LATN3904 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
LATN4011 Latin Honours A	12	P EITHER LATN3006/3608 and 3904/3610 (Credit) OR credit average in 48 Senior credit points in Latin. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN4012 Latin Honours B	12	C LATN4011	Semester 1 Semester 2
LATN4013 Latin Honours C	12	C LATN4012	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
LATN4014 Latin Honours D	12	C LATN4013	Semester 1 Semester 2
Legal Studies (no major available)			
SLSS1001 Introduction to Socio-Legal Studies	6	Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only	Semester 1
SLSS1003 Law and Contemporary Society	6	Available to Bachelor of Arts and Sciences only	Semester 2
Linguistics			
LNGS1001 Structure of Language	6	N LNGS1004, LNGS1005	Semester 1
LNGS1002 Language and Social Context	6		Semester 2
LNGS1005 Structure of English	6	N LNGS1001, LNGS1004	Semester 1
LNGS1801 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS2601 Phonetics and Phonology	6	P LNGS1001 or LNGS1005 or LNGS1004 N KRNS2317, KRNS2318, LNGS2001 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
LNGS2602 Syntax	6	P LNGS1001 or LNGS1005 or LNGS1004 N LNGS2002 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
LNGS2603 Functional Grammar	6	P One of ENGL1000, ENGL1005, ENGL2619, ENGL2647, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, LNGS2601, LNGS2602, LNGS2604, MECO1001, MECO1003 N LNGS2003	Semester 1
LNGS2604 Discourse Analysis	6	P One of ENGL1000, ENGL1005, ENGL2619, ENGL2647, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, LNGS2601, LNGS2602, LNGS2603, MECO1001, MECO1003 N LNGS2004	Semester 2
LNGS2616 Historical Linguistics	6	P LNGS2001	Semester 1
LNGS2617 Cross-Cultural Communication	6	P Either (two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005) or (Credit average in 12 Senior credit points from one of the foreign languages (French, Japanese, Chinese, Italian, Arabic, Spanish, German, Latin, Modern Greek, Ancient Greek, Indonesian, Malay, Korean, Thai, Yiddish, Hebrew, Syriac, Aramaic, Sanskrit, Thai)) N LNGS3903, LNGS3923	Semester 2
LNGS2805 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS2806 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS2809 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS2810 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS2811 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS2812 Linguistics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
LNGS3601 Semantics and Pragmatics	6	P One of LNGS2602, LNGS2603 [or LNGS2002, LNGS2003] N LNGS3026, LNGS3006 Compulsory for Honours students; other students may select as an option. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
LNGS3602 Modern Theories of Grammar <i>This unit of study is not available in 2007</i>	6	P LNGS2601 and LNGS2602 [or LNGS2001 and LNGS2002] N LNGS3024, LNGS3004	
LNGS3604 Field Methods	6	P Credit average in 18 senior credit points of Linguistics including three of: LNGS2601 (or LNGS2001), LNGS2602 (or LNGS2002), LNGS2603 (or LNGS2003) or LNGS2604 (or LNGS2004) N LNGS3925 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
LNGS3690 Issues in Theoretical Linguistics	6	P Credit average in 18 senior credit points of Linguistics. The units must include LNGS2601 [or LNGS2001], and at least one of LNGS2602, LNGS2002, LNGS2003 and LNGS2603 N LNGS3914 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1 Semester 2
LNGS3699 Linguistics Research Issues	6	P Credit average in 18 senior credit points in linguistics, including at least 2 of LNGS2601, LNGS2001, LNGS2602, LNGS2002, LNGS2603, LNGS2003, LNGS2604, LNGS2004. N LNGS3940 Note: Department permission required for enrolment This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1 Semester 2
LNGS4011 Linguistics Honours A	12	P Credit average in 48 senior credits points, including LNGS3601 and 3 of LNGS2601, LNGS2602, LNGS2603, LNGS2604 or (LNGS2001, LNGS2002, LNGS2003, LNGS2004). Note: Department permission required for enrolment	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
LNGS4012 Linguistics Honours B	12	C LNGS4011	Semester 1 Semester 2
LNGS4013 Linguistics Honours C	12	C LNGS4012	Semester 1 Semester 2
LNGS4014 Linguistics Honours D	12	C LNGS4013	Semester 1 Semester 2
Media and Communications			
MECO1001 Australian Media Studies	6	Available to BA (Media and Comm) and BSc (Media and Comm) students only.	Semester 2
MECO1003 Principles of Media Writing	6	Available to BA (Media and Comm) and BSc (Media and Comm) students only.	Semester 1
MECO2601 Radio Broadcasting	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO2001 Available to BA (Media and Comm) and BSc (Media and Comm) students only.	Semester 1
MECO2603 Media Relations	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO2003 Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 2
MECO2805 Media and Communications Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO2806 Media and Communications Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO2807 Media and Communications Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO2808 Media and Communications Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO3601 Video Production	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO3001 Available to BA (Media and Comm) and BSc (Media and Comm) students only.	Semester 2
MECO3602 Online Media	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO3002 Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 2
MECO3603 Media, Law and Ethics	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO3003 Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 1
MECO3605 Media Globalisation	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO3005 Available to BA (Media and Comm) and, subject to departmental approval, students undertaking a major in Cultural Studies.	Semester 1
MECO3606 Advanced Media Writing	6	P 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) N MECO3006 Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 2
MECO3609 Critical Practice in Media	6	P 42 senior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 2
MECO3671 Media and Communications Internship	6	P 30 senior credit points of MECO, including MECO3603. Students may not enrol in MECO3671 prior to the second semester of their 3rd year. Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 1 Semester 2 Summer Main Winter Main
MECO3672 Internship Project	6	P 30 senior credit points of MECO, including MECO3603. Students may not enrol in MECO3672 prior to the first semester of their 4th year. C MECO3671 and MECO3002 and MECO3003 (4th Years) or MECO3671 and MECO3602 and MECO3603 (3rd years) N MECO3701, MECO3702 Available to BA(Media and Comm) and BSc (Media and Comm) students only.	Semester 1 Semester 2 Winter Main
MECO4601 Honours Research Methods A	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO4602 Honours Research Methods B	6	C MECO4601 Note: Department permission required for enrolment	Semester 1 Semester 2
MECO4603 Honours Seminar A	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO4604 Honours Seminar B	6	C MECO4603 Note: Department permission required for enrolment	Semester 1 Semester 2
MECO4605 Honours Thesis A	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MECO4606 Honours Thesis B	6	C MECO4605 Note: Department permission required for enrolment	Semester 1 Semester 2
MECO4607 Honours Thesis C	6	C MECO4606 Note: Department permission required for enrolment	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MECO4608 Honours Thesis D	6	C MECO4607 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Medieval Studies			
MDST2601 Written Record of the Middle Ages	6	P At least 18 junior credit points from List A of the Table of units of study, of which 12 credit points are from one subject. <i>This unit of study may be counted towards majors in History and English.</i>	Semester 1
MDST2608 The First Crusade	6	P At least 18 junior credit points from part A of the Table of units of study of which 12 credit points are from one subject. N MDST2008 <i>This unit of study may be counted towards a major in History</i>	Semester 1
MDST2610 Medieval Cosmology	6	P At least 18 junior credit points from Part A of the Table of units of study, of which 12 credit points are from one subject. <i>This unit of study may be counted towards a Major in History.</i>	Semester 2
MDST3601 Medieval Latin Literature and Culture	6	P At least 18 junior credit points plus Latin 1.1 (LATN1001) and Latin 1.2 (LATN1002) OR Accelerated Latin 2.1 (LATN2611) and 2.2 (LATN2612) OR HSC Latin Continuers NB: <i>This unit of study may be counted towards a major in Ancient History.</i>	Semester 2
MDST4011 Medieval Studies Honours A	12	P A major in Medieval Studies plus 12 additional credit points from units of study in List B, all with a credit average. Department permission required for enrolment. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MDST4012 Medieval Studies Honours B	12	C MDST4011	Semester 1 Semester 2
MDST4013 Medieval Studies Honours C	12	C MDST4012	Semester 1 Semester 2
MDST4014 Medieval Studies Honours D	12	C MDST4013	Semester 1 Semester 2
Modern Greek			
MGRK1601 Junior Modern Greek 1	6	N MGRK1101	Semester 1
MGRK1602 Junior Modern Greek 2	6	P MGRK1101 or MGRK1601 N MGRK1102	Semester 2
MGRK1621 Junior Modern Greek 3	6	P Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency as determined by the department N MGRK1101, MGRK1501, MGRK1401	Semester 1
MGRK1622 Junior Modern Greek 4	6	P MGRK1621 or MGRK1401 or equivalent language proficiency as determined by the department N MGRK1101, MGRK1102, MGRK1402	Semester 2
MGRK2601 Senior Modern Greek 1	6	P MGRK1102 or MGRK1602 or special permission by the department N MGRK1501, MGRK2001	Semester 1
MGRK2602 Senior Modern Greek 2	6	P MGRK2001 or MGRK2601 or special permission by the department N MGRK1502, MGRK2002	Semester 2
MGRK2603 Style and Expression	6	P MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department N MGRK2203	Semester 1
MGRK2604 Comparison of Greek and English	6	P MGRK1402 or MGRK2002 or MGRK1622 or MGRK2602 or special permission by the department N MGRK2204	Semester 2
MGRK2605 Theory and Practice of Translation B	6	P MGRK1202 or MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department N MGRK3211	Semester 1
MGRK2622 The Other Road to Greek Modernity	6	P At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from one subject, or special permission by the chair of department N MGRK2501	Semester 1
MGRK2633 Social Norms/Stereotypes in Greek Cinema	6	P At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from one subject, or special permission by the chair of department N MGRK2513	Semester 1
MGRK2655 Modern Greek Art	6	P At least 18 junior credit points from Part A of the table of units of study, of which 12 points are from one subject; or permission by the chair of department N MGRK2506	Semester 2
MGRK2676 New Testament Greek and its World B	6	P 12 Junior credit points in any subject. N MGRK2526	Semester 2
MGRK2691 Sociolinguistics in the Greek Diaspora	6	P Credit or above in MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department N MGRK2904 <i>Note: Department permission required for enrolment</i>	Semester 2
MGRK2811 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2812 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2813 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2814 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2815 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MGRK4011 Modern Greek Honours A	12	P A major in Modern Greek plus 16 additional credit points which must include MGRK2904 and 3901 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK4012 Modern Greek Honours B	12	C MGRK4011	Semester 1 Semester 2
MGRK4013 Modern Greek Honours C	12	C MGRK4012	Semester 1 Semester 2
MGRK4014 Modern Greek Honours D	12	C MGRK4013	Semester 1 Semester 2
Music			
MUSC1501 Concepts of Music	6	P At least 67% in the NSW HSC Music 2 or 3-unit Music Extension or the equivalent skills as determined by the Department of Music. N MUSC1503, MUSC1504 <i>The Department holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses yet believe they have the equivalent aural and harmonic skills to attend Concepts of Music, please phone the department for details by the end of February.</i>	Semester 2
MUSC1503 Fundamentals of Music I	6	N MUSC1501	Semester 1
MUSC1504 Fundamentals of Music II	6	A Material covered in MUSC1503. Students interested in taking this course who have not completed MUSC1503 must see the lecturer beforehand to ascertain that they have the required knowledge. N MUSC1501	Semester 2
MUSC1506 Music in Western Culture	6	A The ability to follow a musical score while listening to the music and some prior knowledge of elementary music theory.	Semester 1
MUSC1507 Sounds, Screens, Speakers: Music & Media	6		Semester 1
MUSC2612 Arts Music Concert Performance 1	6	P 18 junior credit points in no more than two subject areas, AND audition (contact the department one week before semester begins) N MUSC2012 <i>Note: Department permission required for enrolment</i>	Semester 1
MUSC2613 Arts Music Concert Performance 2	6	P MUSC2612 N MUSC2013	Semester 2
MUSC2614 Composition Workshop 1	6	P 12 junior credit points in music. N MUSC2610	Semester 2
MUSC2615 Advanced Concepts	6	P MUSC1501 or MUSC1504 N MUSC2010	Semester 1
MUSC2618 Arts Music Ensemble 1	6	P 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. N MUSC2018 <i>Note: Department permission required for enrolment</i>	Semester 1
MUSC2619 Arts Music Ensemble 2	6	P MUSC2618 N MUSC2019	Semester 2
MUSC2621 Medieval Music in Spain	6	P 48 Junior credit points, including 12 in Music (or advanced facility in reading music). Contact course coordinator for further information. N MUSC2009 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
MUSC2626 Australian Aboriginal Music	6	P 18 Junior credit points in no more than two subject areas. N MUSC2026 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
MUSC2628 Classicism in Music	6	P 12 junior music credits N MUSC2107	Semester 1
MUSC2631 Fieldwork, Ethnography and Transcription	6	P 12 junior music credit points. Students will normally have completed either MUSC1501 or MUSC1504. N MUSC2903 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
MUSC2651 Australian and Asian Music 1	6	P 12 junior music credit points, one of which must be either MUSC1501 or MUSC1504 N MUSC2501	Semester 1
MUSC2653 Introduction to Digital Music Techniques	6	P 18 Junior credit points in no more than two subject areas N MUSC2053	Semester 2
MUSC2654 Popular Music	6	P 18 junior credit points N MUSC2054 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
MUSC2667 Shakespeare as Opera	6	P 18 junior credit points.	Semester 1
MUSC2686 Mozart and his Times	6	P 18 junior credit points.	Semester 2
MUSC2690 Music and Gender	6	P 18 junior credit points.	Semester 2
MUSC2691 Revolutionary Voices: Music and Politics	6	P 18 junior credit points.	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MUSC2692 Dissonance & Desire: Harmonic Structures	6	P 12 junior credits in Music, including MUSC1501 or MUSC1504 N MUSC2902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
MUSC2810 Music Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MUSC2812 Music Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MUSC2813 Music Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MUSC3604 Arts Music Concert Performance 3	6	P MUSC2613 N MUSC3104	Semester 1
MUSC3605 Arts Music Concert Performance 4	6	P MUSC3604 N MUSC3105	Semester 2
MUSC3607 Topics in Aboriginal Music and Dance	6	P 18 Junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study.	Semester 2
MUSC3609 Musicology	6	P MUSC2631 N MUSC3904 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
MUSC3611 Composition Workshop 2	6	P MUSC2614 or MUSC2610 N MUSC2611	Semester 2
MUSC4011 Music Honours A	12	P Credit results in MUSC3609, and either MUSC2631 or MUSC3608, (or another equivalent music analysis course), and a Music Major with credit average results in 36 senior music credit points. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MUSC4012 Music Honours B	12	C MUSC4011	Semester 1 Semester 2
MUSC4013 Music Honours C	12	C MUSC4012	Semester 1 Semester 2
MUSC4014 Music Honours D	12	C MUSC4013	Semester 1 Semester 2
Pali (no major available)			
PAL1001 Pali A	6		Semester 1
PAL1002 Pali B	6	P PAL1001	Semester 2
Peace and Conflict Studies (no major available)			
PACS2002 History and Politics of War and Peace	6	P 18 junior credit points, of which 6 must be in either HSTY, GOVT, SCLG or LAW	Semester 2
Performance Studies			
PRFM1801 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2601 Being There: Theories of Performance	6	P 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. N PRFM2001	Semester 1
PRFM2602 An Audience Prepares	6	P 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. N PRFM2002	Semester 2
PRFM2604 Sociology of Theatre	6	P 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. N PRFM3012	Semester 2
PRFM2805 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2806 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2810 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2811 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2812 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM3601 Anthropology of Performance	6	P 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 N PRFM3017, PRFM3025 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PRFM3602 Playing Around with Theatre History	6	P 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PRFM3604 Embodied Histories	6	P 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 N PRFM3021	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PRFM3606 Theories of Acting	6	P 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002 N PRFM3022	Semester 2
PRFM3610 In the Zone: Sport as a Performance	6	P 18 credit points in PRFM2600 units (including PRFM2601 and PRFM2602) or PRFM2001 and PRFM2002	Semester 2
PRFM3961 Rehearsal Studies	6	P Credit results in PRFM2001 and PRFM2002 or 18 credit points with credit results in PRFM2600 units including PRFM2601 and PRFM2602. C PRFM3962 and sufficient units for a major in Performance Studies. <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PRFM3962 Rehearsal to Performance	6	P Credit results in PRFM2001 and PRFM2002 or 18 credit points with credit results in PRFM2600 units, including PRFM2601 and PRFM2602. C PRFM3961 and sufficient units for a major in Performance Studies. <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PRFM4011 Performance Studies Honours A	12	P Credit results in PRFM3961 and PRFM3962 (or PRFM3901 and PRFM3902) and credit average in a further 32 credit points of PRFM units. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM4012 Performance Studies Honours B	12	C PRFM4011	Semester 1 Semester 2
PRFM4013 Performance Studies Honours C	12	C PRFM4012	Semester 1 Semester 2
PRFM4014 Performance Studies Honours D	12	C PRFM4013	Semester 1 Semester 2
Philosophy			
PHIL1010 Society, Knowledge and Reason	6	N PHIL1001, PHIL1002	Semester 2
PHIL1011 Reality, Ethics and Beauty	6	N PHIL1003, PHIL1004, PHIL1006, PHIL1008	Semester 1
PHIL1012 Introductory Logic	6		Semester 2
PHIL1016 Mind and Morality HSC	6	<i>This unit is available to HSC students only</i>	S1 Late Int S2 Late Int Summer Main
PHIL1801 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2600 Twentieth Century Philosophy	6	P 12 Junior credit points in Philosophy N PHIL2000	Semester 1
PHIL2605 Locke and Empiricism	6	P 12 Junior credit points in Philosophy N PHIL3005, PHIL2005	Semester 2
PHIL2607 Eighteenth Century French Philosophy	6	P 12 Junior credit points in Philosophy	Semester 2
PHIL2609 Contemporary French Philosophy	6	P 12 Junior credit points in Philosophy N PHIL2409	Semester 2
PHIL2610 Exploring Nonclassical Logic	6	P 6 Junior credit points in Philosophy AND one of the following: PHIL1012 Introductory Logic OR PHIL2628 Elementary Logic OR MATH1004 N PHIL3214	Semester 1
PHIL2612 History of Ethics	6	P 12 Junior credit points in Philosophy N PHIL2512, PHIL3512	Semester 1
PHIL2613 Plato and Aristotle	6	P 12 Junior credit points in Philosophy N PHIL3013, PHIL2013	Semester 2
PHIL2614 The Presocratics	6	P 12 Junior credit points in Philosophy N PHIL2014, PHIL3014	Semester 2
PHIL2615 Intermediate Logic	6	P 12 Junior credit points in Philosophy and PHIL1012 or PHIL2203 or PHIL2628. N PHIL2215, PHIL3215 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2617 Practical Ethics	6	P 12 junior credit points in Philosophy. N PHIL2517 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2618 Aesthetics and Art	6	P 12 Junior credit points in Philosophy. N PHIL2518 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2620 Probability and Decision Theory	6	P 12 Junior credit points in Philosophy N PHIL2220 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2621 Truth, Meaning and Language	6	P 12 Junior credit points in Philosophy	Semester 1
PHIL2622 Reality, Time & Possibility: Metaphysics	6	P 12 Junior credit points in Philosophy	Semester 1 Summer Late
PHIL2623 Moral Psychology	6	P 12 Junior credit points in Philosophy. N PHIL2513, PHIL3513 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHIL2626 Philosophy and Psychoanalysis	6	P 12 Junior credit points in Philosophy. N PHIL2207, PHIL2226, PHIL3207, PHIL3226	Semester 1 Summer Late
PHIL2627 Philosophy and Psychiatry	6	P 12 Junior credit points in Philosophy. N PHIL2227	Semester 2
PHIL2628 Elementary Logic	6	P 12 junior credit points in Philosophy. N PHIL1012, PHIL2201, PHIL2203, PHIL3201, PHIL3203	Semester 2
PHIL2629 Descartes and Continental Philosophy	6	P 12 Junior credit points in Philosophy N PHIL2004, PHIL3004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2632 Theories of Modernity 2	6	P 12 junior credit points in Philosophy N PHIL2532, PHIL3532 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2633 Theories of Modernity 1	6	P 12 junior credit points in Philosophy N PHIL1007, PHIL2533 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2634 Democratic Theory	6	P 12 junior credit points in Philosophy N PHIL2514	Semester 1
PHIL2635 Contemporary Political Philosophy	6	P 12 Junior credit points in Philosophy N PHIL3535, PHIL2535 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2638 Husserl's Phenomenology	6	P 12 Junior credit points in Philosophy. N PHIL2238	Semester 1
PHIL2639 Heidegger's Phenomenology	6	P 12 Junior credit points in Philosophy N PHIL2239	Semester 2
PHIL2640 Sustainability, System and Society	6	P 12 junior credit points from any units within the university N PHIL2240 <i>NB: This course is taught in collaboration with the Department of Design, Faculty of Design, Building and Architecture, UTS.</i>	Semester 2
PHIL2641 Classic German Philosophy	6	P 12 credit points in Philosophy N PHIL3011	Semester 1
PHIL2642 Critical Thinking	6	P 12 Junior credit points in any units within the University	Semester 2
PHIL2643 Philosophy of Mind	6	P 12 Junior credit points in Philosophy N PHIL2213, PHIL3213, PHIL2205 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2644 Critical Theory: From Marx to Foucault	6	P 12 junior credit points	Semester 2
PHIL2645 Philosophy of Law	6	P 12 Junior credit points in Philosophy N PHIL2510, PHIL3510 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2804 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2805 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2806 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2810 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2811 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2812 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL3615 Pragmatism	6	P 12 credit points in Philosophy N PHIL3015	Semester 2
PHIL3616 Conditionals	6	P 12 Senior credit points in Philosophy N PHIL3216, PHIL3220	Semester 1
PHIL3618 Pre-Honours Seminar	6	P 24 Senior credit points in Philosophy N PHIL2204, PHIL3204, PHIL3218	Semester 2
PHIL3622 Philosophy of Modern Physics	6	P 12 credit points in Philosophy N PHIL3223 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL4011 Philosophy Honours A	12	P 48 points of Philosophy at Senior level, with a credit average or better, and including 6 points from each of the three areas (History of Philosophy; Epistemology, Metaphysics & Logic; Moral & Political Philosophy). Intending Honours students are strongly encouraged to take the Pre-honours Seminar (PHIL3618), and to discuss their unit choices with the Honours Coordinator at the beginning of their third year. The Department places importance on the breadth of the philosophical education of its Honours graduates, and encourages intending Honours students to avoid over-specialisation at Senior level <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL4012 Philosophy Honours B	12	C PHIL4011	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHIL4013 Philosophy Honours C	12	C PHIL4012	Semester 1 Semester 2
PHIL4014 Philosophy Honours D	12	C PHIL4013	Semester 1 Semester 2
Studies in Religion			
RLST1001 Paths to Enlightenment	6		Semester 1 Summer Main
RLST1004 New Religious Movements	6	C RLST1001	Semester 2
RLST1801 Religious Studies Exchange	6	N Department permission required for enrolment. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST2606 Christianity as a Global Religion	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2006	Semester 2
RLST2609 Theravada Buddhism	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2009 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
RLST2612 Dualism: Zoroaster, Gnosis & Manichaeism	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2012	Semester 2
RLST2623 Meditation and Self Transformation	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2023 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
RLST2624 The Birth of Christianity	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2024	Semester 1
RLST2625 Religion and the Arts	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2025	Semester 1
RLST2627 Religion in Multicultural Australia	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2027 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
RLST2629 Confucian Spirituality	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2022	Semester 2
RLST2631 Celtic and Germanic Mythology	6	P 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2001, RLST2002	Semester 2
RLST2632 Contemporary Islam: Religion & Identity	6	P 12 junior credit points of Religion Studies or Arabic and Islamic Studies, or their equivalent as assessed by the Department(s)	Semester 1
RLST2804 Religious Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST2805 Religious Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST2806 Religious Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST2809 Religious Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST2810 Religious Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST4011 Religious Studies Honours A	12	P Credit average in 48 senior credit points of Studies in Religion. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST4012 Religious Studies Honours B	12	C RLST4011	Semester 1 Semester 2
RLST4013 Religious Studies Honours C	12	C RLST4012	Semester 1 Semester 2
RLST4014 Religious Studies Honours D	12	C RLST4013	Semester 1 Semester 2
Sanskrit			
SANS1001 Sanskrit Introductory 1	6		Semester 1
SANS1002 Sanskrit Introductory 2	6	P SANS1001	Semester 2
SANS2601 Sanskrit Intermediate 1	6	P SANS1002 or equivalent N SANS2001	Semester 1
SANS2602 Sanskrit Intermediate 2	6	P SANS2001 or SANS2601 or equivalent N SANS2002	Semester 2
SANS3601 Sanskrit Advanced 1	6	P SANS2002 or SANS2602 or equivalent N SANS3001	Semester 1
SANS3602 Sanskrit Advanced 2	6	P SANS3001 or SANS3601 or equivalent N SANS3002	Semester 2
SANS3612 Sanskrit Research Preparation 2	6	P Credit result in SANS2001 or SANS2601	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SANS4001 Sanskrit IV Honours A	12	P Credit average in Senior Sanskrit units <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SANS4002 Sanskrit IV Honours B	12	C SANS4001	Semester 1 Semester 2
SANS4003 Sanskrit IV Honours C	12	C SANS4002	Semester 1 Semester 2
SANS4004 Sanskrit IV Honours D	12	C SANS4003	Semester 1 Semester 2
Social Policy			
SCPL2601 Australian Social Policy	6	P SCLG1001 and SCLG1002 N SCPL3001	Semester 1
SCPL2602 Contesting Social Policies	6	P SCLG1001 and SCLG1002 N SCPL3002	Semester 2
Social Sciences			
SSCI1003 Exploring the Social Sciences	6	<i>Bachelor of Social Sciences only</i>	Semester 1
SSCI2601 Social, Political and Economic Thought 1	6	P SSCI1003 N SSCI1001, SSCI2001 <i>Bachelor of Social Sciences only</i>	Semester 1
SSCI2602 Social, Political and Economic Thought 2	6	P SSCI1003 or SSCI1001 and SSCI2601 or SSCI2001 N SSCI2002 <i>Bachelor of Social Sciences only</i>	Semester 2
SSCI3601 Social Sciences Internship	12	P SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 N SSCI3001 <i>Bachelor of Social Sciences only</i>	Semester 1 Semester 2
SSCI3602 Internship Research Paper	12	P SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 C SSCI3001 or SSCI3601 N SSCI3002 <i>Bachelor of Social Sciences only</i>	Semester 1 Semester 2
Socio-Legal Studies			
SLSS1001 Introduction to Socio-Legal Studies	6	<i>Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only</i>	Semester 1
SLSS1002 Law as Language, Culture and Performance	6	<i>Available to Bachelor of Socio-Legal Studies only</i>	Semester 2
Sociology			
SCLG1001 Introduction to Sociology 1	6		Semester 1 Winter Main
SCLG1002 Introduction to Sociology 2	6		Semester 2 Summer Main
SCLG1801 Sociology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2601 Sociological Theory	6	P SCLG1001 and SCLG1002 N SCLG2001, SCLG2520	Semester 1
SCLG2602 Social Inquiry: Research Methods	6	P Either SCLG1001 and SCLG1002 or SCWK2003 N SCLG2002, SCLG2521	Semester 2
SCLG2603 Sociology of Health and Illness	6	P SCLG1001 and SCLG1002 N SCLG2526	Semester 1
SCLG2604 Social Inequality in Australia	6	P SCLG1001 and SCLG1002 N SCLG2010, SCLG2529 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
SCLG2605 Social Justice Law and Society	6	P SCLG1001 and SCLG1002 N SCLG2017, SCLG2536 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
SCLG2606 Media in Contemporary Society	6	A Ability to access internet and basic web browsing skills P SCLG1001 and SCLG1002 N SCLG2018, SCLG2537	Semester 1
SCLG2608 Social Construction of Difference	6	P SCLG1001 and SCLG1002 N SCLG2004, SCLG2523	Semester 1 Winter Main
SCLG2609 Contemporary Cultural Issues	6	P SCLG1001 and SCLG1002 N SCLG2501	Semester 2
SCLG2611 Comparative Sociology of Welfare States	6	P SCLG1001 and SCLG1002 N SCLG2509 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG2612 Self and Society	6	P SCLG1001 and SCLG1002 N SCLG2510	Semester 2
SCLG2613 Sociology of Childhood and Youth	6	P SCLG1001 and SCLG1002 N SCLG2522	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SCLG2614 Madness, Difference and Normality	6	P SCLG1001 and SCLG1002 N SCLG2006, SCLG2525	Semester 2
SCLG2615 Law and Social Theory	6	P SCLG1001 and SCLG1002 and (SCLG2601 or SCLG2001 or SCLG2520) N SCLG2535 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG2616 Global Transformations	6	P SCLG1001 and SCLG1002 N SCLG2560 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG2618 Violence, Imaginaries and Symbolic Power	6	P SCLG1001 and SCLG1002 N SCLG2566 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
SCLG2619 Sociology of Sport	6	P SCLG1001 and SCLG1002	Semester 1
SCLG2620 Human Rights and Social Transformations	6	P SCLG1001 and SCLG1002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG2621 Power, Politics and Society	6	P SCLG1001 and SCLG1002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG2622 Sociology of Knowledge	6	P SCLG1001 and SCLG1002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG2634 Crime, Punishment and Society	6	P Two of: SCLG1001, SCLG1002, SLSS1001, SLSS1002 and LAWS1100. N SCLG2566	Semester 2 Summer Late
SCLG2805 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2806 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2809 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2810 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2811 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2812 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG3601 Contemporary Sociological Theory	6	P SCLG1001 and SCLG1002 N SCLG3002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG3602 Empirical Sociological Methods	6	P SCLG1001 and SCLG1002 N SCLG3003	Semester 1
SCLG4011 Sociology Honours A	12	P Credit average in 32 credit points of Senior level Sociology, including SCLG3602 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG4012 Sociology Honours B	12	C SCLG4011	Semester 1 Semester 2
SCLG4013 Sociology Honours C	12	C SCLG4012	Semester 1 Semester 2
SCLG4014 Sociology Honours D	12	C SCLG4013	Semester 1 Semester 2
Spanish			
SPAN1601 Introductory Spanish 1	6	N Not to be taken by students with prior knowledge of Spanish. <i>Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN1601. Students should contact the Department which will determine the appropriate level of enrolment.</i>	Semester 1 Summer Late Winter Main
SPAN1602 Introductory Spanish 2	6	N SPAN1002 <i>Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN1602. Students should contact the Department which will determine the appropriate level of enrolment.</i>	Semester 2
SPAN1801 Spanish Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN1802 Spanish Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN2601 Intermediate Spanish 1	6	P SPAN1002 or SPAN1602 N SPAN2001 <i>Students who have already studied Spanish at HSC level, or who have equivalent knowledge may request waiving of prerequisites and be admitted to SPAN2601. Students should contact the Department which will determine the appropriate level of enrolment.</i>	Semester 1
SPAN2602 Intermediate Spanish 2	6	P SPAN2601 N SPAN2002	Semester 2
SPAN2621 Spanish Culture 1	6	P SPAN1002 or SPAN1602 <i>Not recommended to Second Year students</i>	Semester 1
SPAN2622 Latin American Culture 1	6	P SPAN1002 or SPAN1602	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SPAN3601 Advanced Spanish 1	6	P SPAN2002 or SPAN2602 N 3rd year language units completed at UNSW	Semester 1
SPAN3602 Advanced Spanish 2	6	P SPAN3601	Semester 2
SPAN3621 Latin American Film and Literature	6	P SPAN2002 or SPAN2602 N SPAN3006	Semester 1
SPAN3622 Introduction to Spanish Translation	6	P SPAN3601	Semester 2
SPAN3811 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3812 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3813 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3814 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3815 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3816 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Thai Studies (major may not be available)			
THAI1105 Thai 1A	6	N THAI1101, THAI1103	Semester 1
THAI1106 Thai 1B	6	P THAI1105 or THAI1101 plus THAI1103 or department permission N THAI1102, THAI1104	Semester 2
THAI2601 Thai 2A	6	P THAI1104 or THAI1106 or THAI1604 or department permission N THAI2101	Semester 1
THAI2602 Thai 2B	6	P THAI2101 or THAI2601 or departmental permission N THAI2102	Semester 2
THAI2650 Thai In-Country Study A	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
THAI2651 Thai In-Country Study B	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
THAI2652 Thai In-Country Study C	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
THAI2653 Thai In-Country Study D	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Yiddish (no guarantee of continued availability)			
YDDH1101 Yiddish 1	6		Semester 1
YDDH1102 Yiddish 2	6	P YDDH1101 or permission from the department	Semester 2
YDDH2603 Yiddish 3	6	P YDDH1102 N YDDH2103, YDDH2104	Semester 1
YDDH2604 Yiddish 4	6	P YDDH2103 or YDDH2603 N YDDH2104	Semester 2
YDDH3605 Yiddish 5	6	P YDDH2104 or YDDH2604 N YDDH3105, YDDH3106	Semester 1
YDDH3606 Yiddish 6	6	P YDDH3605 or YDDH3105 N YDDH3106	Semester 2

Table B

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Biochemistry			
BCHM2071 Protein Biochemistry	6	A CHEM (1101 and 1102) P 12 credit points of Junior Chemistry plus MBLG1001 C Recommended concurrent units of study: intermediate MBLG for progression to Senior Biochemistry, and/or Intermediate Chemistry. N BCHM2011, BCHM2971	Semester 1
BCHM2072 Human Biochemistry	6	P Either MBLG1001 and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 N BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112	Semester 2
BCHM2553 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM2554 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM2555 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM2556 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM2971 Protein Biochemistry (Advanced)	6	P 12 credit points of Junior Chemistry and Distinction in MBLG1001 N BCHM2011, BCHM2071	Semester 1
BCHM2972 Human Biochemistry (Advanced)	6	P Distinction in one of (BCHM (2071 or 2971) or MBLG(2071 or 2971)) or (Distinction in MBLG1001 and Distinction average in all other Junior Science Units of Study undertaken). N BCHM2072, BCHM2002, BCHM2102, BCHM2902, BCHM2112	Semester 2
BCHM3071 Molecular Biology & Biochemistry- Genes	6	P MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. N BCHM3971, BCHM3001, BCHM3901	Semester 1
BCHM3072 Human Molecular Cell Biology	6	P (MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) N BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904	Semester 2
BCHM3081 Mol Biology & Biochemistry- Proteins	6	P MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. N BCHM3981, BCHM3001, BCHM3901	Semester 1
BCHM3082 Medical and Metabolic Biochemistry	6	P MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. N BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904	Semester 2
BCHM3092 Proteomics and Functional Genomics	6	P MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. N BCHM3992, BCHM3098	Semester 2
BCHM3551 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM3552 Biochemistry Exchange	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM3553 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM3554 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM3555 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM3556 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM3971 Molecular Biology & Biochem- Genes (Adv)	6	P MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. N BCHM3071, BCHM3001, BCHM3901	Semester 1
BCHM3972 Human Molecular Cell Biology (Advanced)	6	P MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. N BCHM3072, BCHM3002, BCHM3004, BCHM3902, BCHM3904	Semester 2
BCHM3981 Mol Biology & Biochemistry- Proteins Adv	6	P MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. N BCHM3081, BCHM3001, BCHM3901	Semester 1
BCHM3982 Medical and Metabolic Biochemistry (Adv)	6	P MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. N BCHM3082, BCHM3002, BCHM3004, BCHM3902, BCHM3904	Semester 2
BCHM3992 Proteomics and Functional Genomics (Adv)	6	P MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. N BCHM3092, BCHM3098	Semester 2
BCHM4011 Biochemistry Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BCHM4012 Biochemistry Honours B	12	C BCHM4011	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BCHM4013 Biochemistry Honours C	12	C BCHM4012	Semester 1 Semester 2
BCHM4014 Biochemistry Honours D	12	C BCHM4013	Semester 1 Semester 2
Bioinformatics			
BINF3101 Bioinformatics Project	6	A 12 credit points from Junior units of study in Software Development (SOFT) and/or Computational Science (COSC) P SOFT (2130 or 2830 or 2004 or 2904) and 12 credit points from Intermediate Biology, Biochemistry, Microbiology, Molecular Biology and Genetics and/or Pharmacology N COMP3206, BINF3001	Semester 2
BINF3551 Bioinformatics Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
BIOL3027 Bioinformatics and Genomics	6	P 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. N BIOL3927 This unit of study is recommended for third year students enrolled in the BSc (Bioinformatics) degree.	Semester 1
BIOL3927 Bioinformatics and Genomics (Advanced)	6	P Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. N BIOL3027	Semester 1
SOFT3300 Software Development Project	6	P INFO(2110 or 2810 or 2000 or 2900) and SOFT(2130 or 2830 or 2004 or 2904) or COMP(2004 or 2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations). N SOFT3600, SOFT3200, SOFT3700	Semester 1 Semester 2
SOFT3301 Software Construction 2	6	P SOFT(2130 or 2830 or 2004 or 2904) or COMP2004 or COMP2904 N SOFT3601, SOFT3104, SOFT3804, COMP3008, COMP3908	Semester 1
SOFT3600 Software Development Project (Advanced)	6	P (INFO2110 or INFO2810 or INFO2000 or INFO2900) and (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2904 or COMP2004 or COMP2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations), and Distinction in any 2000-level or above IT-related unit. N SOFT3300, SOFT3200, SOFT3700	Semester 1 Semester 2
SOFT3601 Software Construction 2 (Advanced)	6	P (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2904 or COMP2004 or COMP2904), and Distinction in any 2000-level or above SOFT or INFO unit. N SOFT3301, SOFT3104, SOFT3804, COMP3008, COMP3908	Semester 1
STAT3012 Applied Linear Methods	6	P STAT(2012 or 2912 or 2004) and MATH(1002 or 1902). N STAT3912, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3014 Applied Statistics	6	A STAT(3012 or 3912). P STAT(2012 or 2912 or 2004). N STAT3914, STAT3002, STAT3902, STAT3006	Semester 2
STAT3912 Applied Linear Methods Advanced	6	P (STAT2912 or Credit in STAT2004 or Credit in STAT2012) and MATH(2061 or 2961 or 1902). N STAT3012, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3914 Applied Statistics Advanced	6	A STAT3912 P STAT2912 or credit or better in (STAT2004 or STAT2012). N STAT3014, STAT3002, STAT3902, STAT3006, STAT3907	Semester 2
Biology			
BIOL1001 Concepts in Biology	6	A No previous knowledge required. Students who have not taken HSC biology are recommended to take the Biology Bridging Course (in February). Students who have completed HSC Biology are advised to enrol in BIOL1101 Ecosystems to Genes rather than BIOL1001. N BIOL1101, BIOL1901 It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.	Semester 1 Summer Main
BIOL1002 Living Systems	6	A HSC 2-unit Biology. Students who have not undertaken an HSC biology course are strongly advised to complete a Biology Bridging Course (in February). N BIOL1902	Semester 2
BIOL1003 Human Biology	6	A HSC 2-unit Biology. Students who have not taken HSC biology are recommended to take the Biology Bridging Course in February. N BIOL1903, EDUH1016	Semester 2 Summer Main
BIOL1101 Biology - Ecosystems to Genes	6	P HSC 2-unit Biology or equivalent. N BIOL1001, BIOL901 It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.	Semester 1
BIOL1901 Biology - Ecosystems to Genes (Advanced)	6	P UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. N BIOL1001, BIOL1101 Note: Department permission required for enrolment It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.	Semester 1
BIOL1902 Living Systems (Advanced)	6	P UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. N BIOL1002, BIOL1904, BIOL1905 Note: Department permission required for enrolment	Semester 2
BIOL1903 Human Biology (Advanced)	6	P UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. N BIOL1003, BIOL1904, BIOL1905, EDUH1016 Note: Department permission required for enrolment	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL2011 Invertebrate Zoology	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. P BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL2911, BIOL2001, BIOL2101, BIOL2901 <i>The completion of 6 credit points of MBLG units of study is highly recommended.</i>	Semester 1
BIOL2012 Vertebrates and their Origins	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. P BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL2912, BIOL2002, BIOL2102, BIOL2902 <i>The completion of 6 credit points of MBLG units of study is highly recommended.</i>	Semester 2
BIOL2016 Cell Biology	6	P 12 credit points of Junior Biology, or equivalent, e.g. BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1902 or 1003 or 1904 or 1905) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL2916, BIOL2006, BIOL2106, BIOL2906 <i>The completion of MBLG1001 is highly recommended.</i>	Semester 1
BIOL2017 Entomology	6	A BIOL (2011 or 2911 or 2001 or 2901) P 12 credit points of Junior Biology, or equivalent, e.g. BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For BSc (Marine Science) students 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL2917, BIOL2007	Semester 2
BIOL2554 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL2555 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL2556 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL2557 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL2911 Invertebrate Zoology (Advanced)	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. P Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL2011, BIOL2001, BIOL2101, BIOL2901 <i>The completion of 6 credit points of MBLG units of study is highly recommended.</i>	Semester 1
BIOL2912 Vertebrates and their Origins (Advanced)	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. P Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL2012, BIOL2002, BIOL2102, BIOL2902 <i>The completion of 6 credit points of MBLG units of study is highly recommended.</i>	Semester 2
BIOL2916 Cell Biology (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1904 or 1905) or MBLG1001 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL2016, BIOL2006, BIOL2106, BIOL2906 <i>The completion of MBLG1001 is highly recommended. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course.</i>	Semester 1
BIOL2917 Entomology (Advanced)	6	A BIOL (2011 or 2911 or 2001 or 2901) P Distinction average in 12 credit points of Junior Biology, or equivalent, e.g. BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For BSc (Marine Science) students: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL2007, BIOL2017	Semester 2
BIOL3006 Ecological Methods	6	A BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). P 12 credit points of intermediate level Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3906, BIOL3023, BIOL3923, MARS3102	Semester 1
BIOL3007 Ecology	6	A Although not prerequisites, knowledge obtained from Ecological Methods (BIOL3006), and Marine Field Ecology (BIOL3008) and/or Terrestrial Field Ecology (BIOL3009), or the associated advanced units (BIOL3906, BIOL3908 and/or BIOL3909), is strongly recommended. P 12 credit points of Intermediate Biology; or ENV12111 or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3907, BIOL3024, BIOL3924, BIOL3040, BIOL3940, BIOL3041, BIOL3941, BIOL3042, BIOL3942, MARS3102	Semester 2
BIOL3008 Marine Field Ecology	6	A Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly advised. P 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3908, BIOL3040, BIOL3940, BIOL3024, BIOL3924, MARS3102 <i>Dates: 2 July 2007 - 9 July 2007</i>	S2 Intensive

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL3009 Terrestrial Field Ecology	6	A Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. P 12 credit points of intermediate level Biology. N BIOL3909, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924	S2 Intensive
BIOL3010 Tropical Wildlife Biology and Management	6	A None, although Vertebrates and their Origins would be useful. P 12 credit points of intermediate level Biology. N BIOL3910 <i>Note: Department permission required for enrolment</i> <i>Dates: 11 February - 16 February 2007 Northern Territory followed by tutorials and practical classes at the University of Sydney 19 February - 23 February 2007.</i>	S1 Intensive
BIOL3011 Ecophysiology	6	A BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903). P 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3911 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3012 Animal Physiology	6	P 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2016 or 2006 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). N BIOL3912 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3013 Marine Biology	6	A MARS2006 P 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3913 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3017 Fungi in the Environment	6	P 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. N BIOL3917 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
BIOL3025 Evolutionary Genetics & Animal Behaviour	6	P 12 credit points from MBLG (2001/2901/2771/2871/2071/2971), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. N BIOL3925, BIOL3928	Semester 2
BIOL3026 Developmental Genetics	6	P 12 credit points from MBLG (2001/2901/2071/2971/2771/2871) and MBLG (2002/2902/2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. N BIOL3926	Semester 2
BIOL3027 Bioinformatics and Genomics	6	P 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. N BIOL3927 <i>This unit of study is recommended for third year students enrolled in the BSc (Bioinformatics) degree.</i>	Semester 1
BIOL3551 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3552 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3553 Biology Exchange	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3554 Biology Exchange	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3555 Biology Exchange	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3556 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3557 Biology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL3906 Ecological Methods (Advanced)	6	A BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). P Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3006, BIOL3023, BIOL3923, MARS3102	Semester 1
BIOL3907 Ecology (Advanced)	6	A Although not prerequisites, knowledge obtained from Ecological Methods (BIOL3006), and Marine Field Ecology (BIOL3008) and/or Terrestrial Field Ecology (BIOL3009), or the associated advanced units (BIOL3906, BIOL3908 and/or BIOL3909), is strongly recommended. Students entering this unit of study should have achieved distinction average. P Distinction average in 12 credit points of Intermediate Biology; or ENVI2111 or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3007, BIOL3024, BIOL3924, BIOL3040, BIOL3940, BIOL3041, BIOL3941, BIOL3042, BIOL3942, MARS3102	Semester 2
BIOL3908 Marine Field Ecology (Advanced)	6	A Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly advised P Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3008, BIOL3040, BIOL3940, BIOL3024, BIOL3924, MARS3102 <i>Dates: 2 July 2007 - 9 July 2007</i>	S2 Intensive
BIOL3909 Terrestrial Field Ecology (Advanced)	6	A Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. P Distinction average in 12 credit points of intermediate level Biology. N BIOL3009, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924 <i>Students taking this unit of study will complete an individual research project on a topic negotiated with a member of staff. It is expected that much of the data collection will be completed during the field trip but some extra time may be needed during semester 2.</i>	S2 Intensive

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL3910 Tropical Wildlife Biol & Management Adv	6	A None, although Vertebrates and their Origins would be useful. P Distinction average in 12 credit points of intermediate level Biology. N BIOL3010 <i>Note: Department permission required for enrolment</i> <i>Dates: 11 February - 16 February 2007 Northern Territory followed by tutorials and practicals at the University of Sydney 19 February - 23 February 2007.</i>	S1 Intensive
BIOL3911 Ecophysiology (Advanced)	6	A BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903) P Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL3011 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3912 Animal Physiology (Advanced)	6	P Distinction average in 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2006 or 2016 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL3012 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3913 Marine Biology (Advanced)	6	A MARS2006 P Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. N BIOL3013 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3917 Fungi in the Environment (Advanced)	6	P Distinction average in 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. N BIOL3017 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
BIOL3925 Evolutionary Gen. & Animal Behaviour Adv	6	P Distinction average in 12 credit points from MBLG (2001/2901/2771/2871/2071/2971), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. N BIOL3025, BIOL3928	Semester 2
BIOL3926 Developmental Genetics (Advanced)	6	P Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), and MBLG (2002/2902/2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. N BIOL3026	Semester 2
BIOL3927 Bioinformatics and Genomics (Advanced)	6	P Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. N BIOL3027	Semester 1
MBLG1001 Molecular Biology and Genetics (Intro)	6	A 6 credit points of Junior Biology and 6 cp of Junior Chemistry N AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871	Semester 2
MBLG2071 Molecular Biology and Genetics A	6	P MBLG1001 and 12 CP of Junior Chemistry. N MBLG2971, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 <i>Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.</i>	Semester 1
MBLG2072 Molecular Biology and Genetics B	6	A One of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 P BIOL (1001 or 1101 or 1901) and MBLG1001 and 12 credit points of Junior Chemistry N MBLG2972, MBLG2102, MBLG2002, MBLG2902	Semester 2
MBLG2971 Molecular Biology and Genetics A (Adv)	6	P 12 credit points of Junior Chemistry and Distinction in MBLG1001 N MBLG2071, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 <i>Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.</i>	Semester 1
MBLG2972 Molecular Biology and Genetics B (Adv)	6	P Distinction in one of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 N MBLG2072, MBLG2102, MBLG2002, MBLG2902	Semester 2
PLNT2001 Plant Biochemistry and Molecular Biology	6	P 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) N PLNT2901, AGCH2001	Semester 1
PLNT2002 Aust Flora: Ecology and Conservation	6	A The contents of BIOL (1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL) and Plant Science (PLNT) units of study using BIOL (1003 or 1903) will need to do some preparatory reading. P 12 credit points from a combination of Junior BIOL or LWSC units of study including two of BIOL (1001, 1901, 1002, 1902, 1003, 1903) LWSC1002, MBLG1001 (or with the Dean's permission BIOL1201 and BIOL1202 may be substituted for the above). N PLNT2902, BIOL2004, BIOL2904	Semester 1
PLNT2003 Plant Form and Function	6	A The content of BIOL(1002 or 1902) is assumed knowledge and students entering from BIOL(1003 or 1903) will need to do some preparatory reading P 12 credit points of Junior Biology (or with the Dean's permission), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1002 N PLNT2903, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT2901 Plant Biochem & Molecular Biology (Adv)	6	P A Distinction average in 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) N PLNT2001, AGCH2001	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PLNT2902 Aust Flora: Ecology & Conservation (Adv)	6	A The contents of BIOL(1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL) and Plant Science (PLNT) units of study using BIOL(1003 or 1903) will need to do some preparatory reading P Distinction average in 12 credit points from a combination of Junior BIOL or LWSC units of study including two of BIOL (1001, 1901, 1002, 1902, 1003, 1903) LWSC1002, MBLG1001 (or with the Dean's permission BIOL1201 and BIOL1202). These requirements may be varied and students with lower averages should consult the unit Executive Officer N PLNT2002, BIOL2004, BIOL2904	Semester 1
PLNT2903 Plant Form and Function (Advanced)	6	A The content of BIOL(1002 or 1902) is assumed knowledge and students entering from BIOL(1003 or 1903) will need to do some preparatory reading P Distinction average in 12 credit points of Junior Biology or BIOL1001 and ENV1002 (or with the Dean's permission, BIOL1201 and BIOL1202) N PLNT2003, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT3001 Plant, Cell and Environment	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent N PLNT3901	Semester 2
PLNT3901 Plant, Cell and Environment (Advanced)	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent N PLNT3001 <i>Note: Department permission required for enrolment</i> <i>Entry is restricted and is based on a combination of a high WAM and student motivation</i>	Semester 2
BIOL4011 Biology Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL4012 Biology Honours B	12	C BIOL4011	Semester 1 Semester 2
BIOL4013 Biology Honours C	12	C BIOL4012	Semester 1 Semester 2
Chemistry			
CHEM1001 Fundamentals of Chemistry 1A	6	A There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. N CHEM1101, CHEM1901, CHEM1109, CHEM1903, CHEM1909	Semester 1
CHEM1002 Fundamentals of Chemistry 1B	6	P CHEM (1001 or 1101) or equivalent N CHEM1102, CHEM1108, CHEM1902, CHEM1904, CHEM1908	Semester 2
CHEM1101 Chemistry 1A	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM1001, CHEM1109, CHEM1901, CHEM1903, CHEM1909	Semester 1 Semester 2 Summer Main
CHEM1102 Chemistry 1B	6	P CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM1002, CHEM1108, CHEM1902, CHEM1904, CHEM1908	Semester 1 Semester 2 Summer Main
CHEM1901 Chemistry 1A (Advanced)	6	P UAI of at least 96.4 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation C Recommended concurrent unit of study: 6 credit points of Junior Mathematics N CHEM1001, CHEM1101, CHEM1109, CHEM1903, CHEM1909 <i>Note: Department permission required for enrolment</i>	Semester 1
CHEM1902 Chemistry 1B (Advanced)	6	P CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent C Recommended concurrent unit of study: 6 credit points of Junior Mathematics N CHEM1002, CHEM1102, CHEM1108, CHEM1904, CHEM1908 <i>Note: Department permission required for enrolment</i>	Semester 2
CHEM2401 Molecular Reactivity and Spectroscopy	6	P CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics N CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2502, CHEM2901, CHEM2903, CHEM2911, CHEM2915	Semester 1
CHEM2402 Chemical Structure and Stability	6	P CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics N CHEM2202, CHEM2302, CHEM2902, CHEM2912, CHEM2916 <i>This is the main chemistry unit of study for students expecting to major in chemistry</i>	Semester 2
CHEM2403 Chemistry of Biological Molecules	6	P 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics N CHEM2001, CHEM2901, CHEM2311, CHEM2903, CHEM2913 <i>To enrol in Senior Chemistry in 2008 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.</i>	Semester 2
CHEM2404 Forensic and Environmental Chemistry	6	P 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics N CHEM3107, CHEM3197 <i>To enrol in Senior Chemistry in 2008 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.</i>	Semester 1
CHEM2911 Molecular Reactivity & Spectroscopy Adv	6	P Credit average or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2915	Semester 1
CHEM2912 Chemical Structure and Stability (Adv)	6	P Credit average or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2916	Semester 2
CHEM2915 Molecular Reactivity & Spectroscopy SSP	6	P By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics N CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2911 <i>Note: Department permission required for enrolment</i> <i>The number of places in this unit of study is strictly limited and entry is by invitation only.</i> <i>Enrolment is conditional upon available places.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CHEM2916 Chemical Structure and Stability (SSP)	6	P By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2912 <i>Note: Department permission required for enrolment</i> <i>The number of places in this unit of study is strictly limited and entry is by invitation only.</i> <i>Enrolment is conditional upon available places.</i>	Semester 2
CHEM3110 Biomolecules: Properties and Reactions	6	P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3910	Semester 1
CHEM3111 Organic Structure and Reactivity	6	P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3911	Semester 1
CHEM3112 Materials Chemistry	6	A CHEM2401 and CHEM2402 P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3912	Semester 1
CHEM3113 Catalysis and Sustainable Processes	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3913	Semester 1
CHEM3114 Metal Complexes: Medicine and Materials	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3914	Semester 2
CHEM3115 Synthetic Medicinal Chemistry	6	P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3915	Semester 2
CHEM3116 Membranes, Self Assembly and Surfaces	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3916	Semester 2
CHEM3117 Molecular Spectroscopy & Quantum Theory	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3917	Semester 2
CHEM3910 Biomolecules: Properties & Reactions Adv	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3110	Semester 1
CHEM3911 Organic Structure and Reactivity (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3111	Semester 1
CHEM3912 Materials Chemistry (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3112	Semester 1
CHEM3913 Catalysis and Sustainable Process (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3113	Semester 1
CHEM3914 Metal Complexes: Medic. & Mater. (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3114	Semester 2
CHEM3915 Synthetic Medicinal Chemistry (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3115	Semester 2
CHEM3916 Membranes, Self Assembly & Surfaces (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3116	Semester 2
CHEM3917 Mol. Spectroscopy & Quantum Theory (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). N CHEM3117	Semester 2
CHEM4011 Chemistry Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHEM4012 Chemistry Honours B	12	C CHEM4011	Semester 1 Semester 2
CHEM4013 Chemistry Honours C	12	C CHEM4012	Semester 1 Semester 2
CHEM4014 Chemistry Honours D	12	C CHEM4013	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Computer Science			
COMP2160 Data Structures	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) N COMP2111, COMP2811, COMP2002, COMP2902, COMP2860	Semester 1
COMP2555 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP2556 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP2557 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP2558 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP2860 Data Structures (Advanced)	6	P [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. N COMP(2111 or 2811 or 2002 or 2902 or 2160)	Semester 1
COMP3308 Introduction to Artificial Intelligence	6	A Programming skill, as from SOFT2130 or COMP2160 or from Credit level in INFO1903 or SOFT1002 P 18 crpts of 2000-level units. N COMP(3002 or 3902 or 3608)	Semester 1
COMP3309 Algorithms	6	P COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). N COMP(3111 or 3811), COMP(3001 or 3901) or COMP3609	Semester 1
COMP3310 Theory of Computation	6	P COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). N COMP (2003 or 2903 or 3610)	Semester 2
COMP3556 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP3557 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP3558 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP3559 Computer Science Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
COMP3608 Intro. to Artificial Intelligence (Adv)	6	A Programming skill, as from SOFT2130 or COMP2160 or from Credit level in INFO1903 or SOFT1002. P 18 crpts of 2000-level units, and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. N COMP(3002, 3902 or 3308)	Semester 1
COMP3609 Algorithms (Advanced)	6	P COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902), and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. N COMP(3111 or 3811 or 3001 or 3901 or 3309)	Semester 1
COMP3610 Theory of Computation (Advanced)	6	P COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902), and Distinction in a COMP, SOFT, or MATH unit at 2000-level or above. N COMP (2003 or 2903 or 3310)	Semester 2
INFO1003 Foundations of Information Technology	6	A Basic computer operations N INFO1000, INFS1000, ISYS1003, INFO1903	Semester 1 Semester 2
INFO1903 Foundations of Information Tech (Adv)	6	A Basic computer operations P UAI at least that for acceptance into BSc(Adv) degree program. N INFO1003, ISYS1003, INFO1000, INFS1000 <i>Note: Department permission required for enrolment</i>	Semester 1
INFO2110 Systems Analysis and Modelling	6	P (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study or DECO2011. N INFO (2000 or 2810 or 2900)	Semester 1
INFO2120 Database Systems 1	6	P INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC) or DECO2011 N INFO (2005 or 2820 or 2905).	Semester 2
INFO2810 Systems Analysis and Modelling (Adv)	6	P (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC units of study) or DECO2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. N INFO (2000 or 2110 or 2900)	Semester 1
INFO2820 Database Systems 1 (Advanced)	6	P INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study or DEC2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. N INFO (2005 or 2120 or 2905)	Semester 2
INFO3402 Management of IT Projects and Systems	6	P INFO (2000 or 2110 or 2810 or 2900). N ISYS (3000 or 3012)	Semester 1
INFO3404 Database Systems 2	6	P INFO(2120 or 2820 or 2005 or 2905). N INFO (3005 or 3504 or 3905) or COMP (3005 or 3905)	Semester 2
INFO3504 Database Systems 2 (Adv)	6	P INFO (2005 or 2120 or 2820 or 2905), and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. N INFO (3005 or 3404 or 3905) or COMP (3005 or 3905)	Semester 2
ISYS2140 Information Systems	6	P INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901). N ISYS (2006 or 2007)	Semester 1
NETS3303 Network Protocols & Programming	6	P (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or 3604)) and (SOFT(2130 or 2830) or SOFT(2004 or 2904)). N NETS(3007 or 3907), COMP(3007 or 3907) or NETS3603.	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
NETS3304 Operating System Internals	6	P (ELEC1601 or NETS(2008 or 2908) or COMP(2001 or 2901) or ELEC2601) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). N NETS(3009 or 3909 or 3604), COMP(3009 or 3909). <i>Students who were not able to do ELEC1601, but have the remaining prerequisites, are encouraged to apply for special permission to enrol in this unit.</i>	Semester 2
NETS3305 Computer and Network Security	6	P (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC3504 or ELEC3604) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). N NETS(3016 or 3916), NETS3605 or ELEC(5610 or 5616)	Semester 1
NETS3603 Network Protocols & Programming (Adv)	6	P (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or 3604)) and (SOFT(2130 or 2830) or SOFT(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. N NETS(3007 or 3907), COMP(3007 or 3907) or NETS3303.	Semester 1
NETS3604 Operating Systems Internals (Advanced)	6	P (ELEC1601 or NETS(2008 or 2908) or COMP(2001 or 2901) or ELEC2601) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. N NETS(3009 or 3909 or 3304), COMP(3009 or 3909) <i>Students who were not able to do ELEC1601, but have the remaining prerequisites, are encouraged to apply for special permission to enroll in this unit.</i>	Semester 2
NETS3605 Computer and Network Security (Advanced)	6	P (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC3504 or ELEC3604) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. N NETS(3016 or 3916), NETS3305 or ELEC(5610 or 5616)	Semester 1
SOFT1001 Software Development 1	6	A HSC Mathematics Extension 1 N SOFT1901, COMP1001, COMP1901, DECO2011	Semester 1 Semester 2
SOFT1002 Software Development 2	6	P SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011 N SOFT1902, COMP1002, COMP1902 <i>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</i>	Semester 1 Semester 2 Summer Main
SOFT1901 Software Development 1 (Adv)	6	A HSC Mathematics Extension 1 N SOFT1001, COMP1001, COMP1901 <i>Note: Department permission required for enrolment Entry requires departmental permission, except for students in BSc(Adv), BCST(Adv) or BIT degrees</i>	Semester 1 Semester 2
SOFT1902 Software Development 2 (Adv)	6	P Distinction in one of SOFT (1001 or 1901) or COMP (1001 or 1901) N SOFT1002, COMP1002, COMP1902, DECO2011 <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</i>	Semester 1 Semester 2
SOFT2130 Software Construction 1	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) N COMP (2004 or 2904) or SOFT (2904 or 2004 or 2830). <i>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</i>	Semester 2 Summer Main
SOFT2830 Software Construction 1 (Adv)	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or in any SOFT unit at 2000-level or above. N COMP (2004 or 2904) or SOFT (2004 or 2904 or 2130). <i>Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.</i>	Semester 2
SOFT3300 Software Development Project	6	P INFO(2110 or 2810 or 2000 or 2900) and SOFT(2130 or 2830 or 2004 or 2904) or COMP(2004 or 2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations). N SOFT3600, SOFT3200, SOFT3700	Semester 1 Semester 2
SOFT3301 Software Construction 2	6	P SOFT(2130 or 2830 or 2004 or 2904) or COMP2004 or COMP2904 N SOFT3601, SOFT3104, SOFT3804, COMP3008, COMP3908	Semester 1
SOFT3302 Software Quality Assurance	6	P (INFO(2110 or 2810) or INFO(2000 or 2900)) and ((COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904))). N SOFT(3602 or 3103 or 3803)	Semester 2
SOFT3600 Software Development Project (Advanced)	6	P (INFO2110 or INFO2810 or INFO2000 or INFO2900) and (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2904 or COMP2004 or COMP2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations), and Distinction in any 2000-level or above IT-related unit. N SOFT3300, SOFT3200, SOFT3700	Semester 1 Semester 2
SOFT3601 Software Construction 2 (Advanced)	6	P (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2904 or COMP2004 or COMP2904), and Distinction in any 2000-level or above SOFT or INFO unit. N SOFT3301, SOFT3104, SOFT3804, COMP3008, COMP3908	Semester 1
SOFT3602 Software Quality Assurance (Adv)	6	P (INFO(2110 or 2810) or INFO(2000 or 2900)) and ((COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904))), and Distinction in any 2000-level or above SOFT or INFO unit. N SOFT(3302 or 3103 or 3803) or, COMP(3008 or COMP3908)	Semester 2
MULT3306 Multimedia Computing and Processing	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). N MULT3019, MULT3919, MULT3004, MULT3904, COMP3004, COMP3904	Semester 1
MULT3307 Interactive Multimedia Systems	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). N SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3607.	Semester 2
MULT3606 Multimedia Computing & Processing (Adv)	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. N MULT3019, MULT3919, MULT3004, MULT3904, MULT3306, COMP3004, COMP3904	Semester 1
MULT3607 Interactive Multimedia Systems (Adv)	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a MULT or SOFT or INFO or COMP unit at 2000-level or above. N SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3307.	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Economics			
ECMT1010 Business and Economic Statistics A	6	N ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021	Semester 1 Semester 2 Summer Main
ECMT1020 Business and Economic Statistics B	6	C ECMT1010 N ECMT1021, ECMT1022, ECMT1023 <i>Other than in exceptional circumstances, it is strongly recommended that students do not undertake Business and Economic Statistics B before attempting Business and Economic Statistics A.</i>	Semester 2
ECMT1551 Econometrics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECON1001 Introductory Microeconomics	6	A Mathematics	Semester 1 Summer Main
ECON1002 Introductory Macroeconomics	6	A Mathematics	Semester 2 Summer Main
ECOS1551 Economics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOS2001 Intermediate Microeconomics	6	P ECON1001 C ECMT1010 N ECON2001, ECOS2901, ECON2901 <i>Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.</i>	Semester 1 Semester 2 Summer Main
ECOS2201 Economics of Competition and Strategy	6	P ECON1001 N ECON2201, ECOS3005	Semester 1
ECOS2306 Managerial Firms: Evolution & Attributes	6	P ECON1001 N ECHS2306, ECOS3003, ECON3003	Semester 2
ECOS2551 Economics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOS2552 Economics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOS2901 Intermediate Microeconomics Honours	6	P ECON1001 and ECON1002 with a Credit average or better in the two units of study combined C ECOS2903 and ECMT1010 N ECON2901, ECOS2001, ECON2001 <i>Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.</i>	Semester 1
ECOS2902 Intermediate Macroeconomics Honours	6	P ECOS2901 C ECMT1010 N ECON2902, ECOS2002, ECON2002 <i>Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.</i>	Semester 2
ECOS2903 Mathematical Economics A	6	C ECOS2901 N ECON2903 <i>Classes start in Week 3</i>	Semester 1
ECOS3001 Capital and Growth	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) N ECON3001	Semester 1
ECOS3002 Development Economics	6	P One of (ECOS2001 or ECON2001) or (ECOS2002 or ECON2002) or (ECOS2901 or ECON2901) or (ECOS2902 or ECON2902) N ECON3002	Semester 2
ECOS3003 Hierarchies, Incentives & Firm Structure	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3003	Semester 2
ECOS3004 History of Economic Thought	6	P one of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2011 or ECOP2001) or (ECOP2012 or ECOP2002) N ECON3004	Semester 2
ECOS3005 Industrial Organisation	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3005, ECOS2201	Semester 2 Summer Main
ECOS3006 International Trade	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3006	Semester 1
ECOS3007 International Macroeconomics	6	P One of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) N ECON3007	Semester 1
ECOS3008 Labour Economics	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) N ECON3008	Semester 1
ECOS3010 Monetary Economics	6	P one of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) N ECON3010	Semester 1
ECOS3011 Public Finance	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3011	Semester 2
ECOS3012 Strategic Behaviour	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3012	Semester 1
ECOS3015 Law and Economics	6	P Either (ECOS2001 or ECON2001) OR (ECOS2901 or ECON2901) N ECON3015	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOS3020 Special Topic in Economics	6	P (ECOS2901 or ECON2901) and (ECOS2902 or ECON902) and (ECMT2110 or ECMT2010) N ECON3103 Note: Department permission required for enrolment	Semester 2
ECOS3551 Economics Exchange	6	P ECON1001 and ECON1002 Note: Department permission required for enrolment	Semester 1 Semester 2
ECOS3552 Economics Exchange	6	P ECON1001 and ECON1002 Note: Department permission required for enrolment	Semester 1 Semester 2
ECOS3553 Economics Exchange	6	P ECON1001 and ECON1002 Note: Department permission required for enrolment	Semester 1 Semester 2
ECOS3554 Economics Exchange	6	P ECON1001 and ECON1002 Note: Department permission required for enrolment	Semester 1 Semester 2
ECOS3901 Advanced Microeconomics	6	P (ECOS2901 or ECON2901) and (ECOS2902 or ECON2902) and (ECOS2903 or ECON2903) with a Credit average or better over the three units combined. C ECMT2110 or ECMT2010 N ECON3901 NOTE: Students intending to proceed to fourth year economics honours must also complete at least one unit of study from (ECOS3001 or ECON3001) to (ECOS3015 or ECON3015) inclusive	Semester 1
ECOS3902 Advanced Macroeconomics	6	P (ECOS3901 or ECON3901) and (ECMT2110 or ECMT2010) C ECOS3020 N ECON3902 NOTE: Students intending to proceed to fourth year economics honours must also complete at least one unit of study from (ECOS3001 or ECON3001) to (ECOS3015 or ECON3015) inclusive	Semester 2
ECON4101 Economics Honours A	12	P The prerequisite for entry to Economics Honours is at least 24 credit points at 3000 level Economics, including Advanced Microeconomics: (ECOS3901 or ECON3901) and Advanced Macroeconomics (ECOS3902 or ECON3902) with a Credit average or better in ECOS3901 and 3902; and Regression Modelling (ECMT2110 or ECMT2010) and Special Topic in Economics (ECOS3020). Note: Department permission required for enrolment Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.	Semester 1 Semester 2
ECON4102 Economics Honours B	12	C ECON4101	Semester 1 Semester 2
ECON4103 Economics Honours C	12	C ECON4102	Semester 1 Semester 2
ECON4104 Economics Honours D	12	C ECON4103	Semester 1 Semester 2
Education			
EDUF1018 Education, Teachers and Teaching	6	N EDUF1011	Semester 1
EDUF1019 Human Development and Education	6	N EDUF1012	Semester 2
EDUF2006 Educational Psychology	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 1
EDUF2007 Social Perspectives on Education	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 2
EDUF3023 Sports, Leisure and Youth	6	P 42 credit points	Semester 1
EDUF3024 Adolescent Development	6	P 42 credit points and EDUF1019	Semester 2
EDUF3026 Global Poverty and Education	6	P 42 credit points.	Semester 1
EDUF3027 International Education	6	P 42 credit points	Semester 2
EDUF3028 Mentoring in Educational Contexts	6	P 42 credit points	Semester 1
EDUF3029 Psychology of Learning and Teaching	6	P 42 credit points and EDUF2006	Semester 2
EDUF3030 Australian Secondary Schooling	6	P 42 credit points	Semester 1
EDUF3031 Positive Approaches to Special Education	6	P 42 credit points	Semester 1b Semester 2a Semester 2b
EDUF3032 Curriculum and Evaluation	6	P 42 credit points	Semester 2
EDUF3033 Problems of Knowledge and Ethics	6	P 42 credit points	Semester 1
EDUF4215 Education Honours 1	24	P 18 credit points from the following: EDUF3023, EDUF3024, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032, EDUF3033 Note: Department permission required for enrolment NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 1
EDUF4216 Education Honours 2	24	P 18 credit points from the following: EDUF3023, EDUF3024, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032, EDUF3033 and EDUF4215 C EDUF4215 Note: Department permission required for enrolment NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Environmental Studies			
GEOS1001 Earth, Environment and Society	6	N GEOS1901, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902	Semester 1
GEOS1901 Earth, Environment and Society Advanced	6	P Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. N GEOS1001, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 Note: Department permission required for enrolment	Semester 1
GEOS2112 Economic Geography of Global Development	6	P 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1002 or GEOG1001 N GEOS2912, GEOG2511	Semester 1
GEOS2113 Making the Australian Landscape	6	P 24 credit points of Junior units of study, including GEOS1002 or GEOS1003 or GEOS1902 or GEOS1903 or GEOG1001 or ENVI1002 or GEOL1001 or GEOL1002 or GEOL1902 N GEOS2913	Semester 1
GEOS2122 Urban Geography	6	P 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or ECOP1001 or ECOP1002. N GEOS2922, GEOG2521	Semester 2
GEOS2912 Economic Geography of Global Dev. Adv.	6	P 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 N GEOS2112, GEOG2511	Semester 1
GEOS2922 Urban Geography (Advanced)	6	P 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 N GEOS2122	Semester 2
GEOS3014 GIS in Coastal Management	6	P MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. N GEOS3914, MARS3104. * Geoscience is the disciplines of Geography, Geology and Geophysics.	Semester 2
GEOS3018 Rivers: Science, Policy and Management	6	P (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) N GEOS3918	Semester 1
GEOG3521 Sustainable Cities	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3921, GEOG3202	Semester 2
GEOS3522 Cities and Citizenship	6	P 6 credit points of intermediate geography. N GEOG3203, GEOS3922	Semester 2
GEOS3918 Rivers: Science and Management (Adv)	6	P Distinction average in (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) N GEOS3018	Semester 1
GEOS3922 Cities and Citizenship (Advanced)	6	P Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOS3522	Semester 2
Geography			
GEOG1551 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG2321 Fluvial and Groundwater Geomorphology	6	P GEOG(2311 or 2001) or 36 credit points of Junior study including GEOG1001 or ENVI (1001 or 1002) or GEOL (1001 or 1002 or 1501). Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology (or Land and Water Science), Chemistry and Mathematics. Students in the Bachelor of Land and Water Science should have ENVI1002, 12 credit points of Chemistry, 6 credit points of Biology, BIOM1002. N GEOG (2002 or 2302 or 2303) or MARS2002 or MARS2006	Semester 2
GEOG2556 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG2557 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG3521 Sustainable Cities	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3921, GEOG3202	Semester 2
GEOG3551 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG3552 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG3553 Geography Exchange	12	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG3554 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG3555 Geography Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG3921 Sustainable Cities (Adv)	6	P Distinction average 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3521, GEOG3202	Semester 2
GEOG4011 Geography Honours A	12	Note: Department permission required for enrolment	Semester 1 Semester 2
GEOG4012 Geography Honours B	12	C GEOG 4011	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOG4013 Geography Honours C	12	C GEOG 4012	Semester 1 Semester 2
GEOG4014 Geography Honours D	12	C GEOG 4013	Semester 1 Semester 2
MARS2005 Global Oceans (Introduction)	6	P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2001, MARS2905 <i>This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.</i>	Semester 1
MARS2006 Marine Ecosystems and Geomorphology	6	A MARS2005 P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2002, MARS2906, GEOG2002 <i>This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.</i>	Semester 2
MARS2905 Global Oceans (Introduction) (Advanced)	6	P Credit average in 24 credit points of Junior Science units. N MARS2005, MARS2001 <i>This unit of study is available to advanced students only.</i>	Semester 1
MARS2906 Marine Ecosystems and Geomorphology Adv	6	P Credit average in 24 credit points of Junior Science units N MARS2006, MARS2002, GEOG2002 <i>This unit of study is available to advanced students only.</i>	Semester 2
MARS2907 Marine Science Field School (Advanced)	6	P Credit average in 24 credit points of Junior Science units. C MARS2005 or MARS2905 N MARS2007, MARS2003 <i>This unit of study is available to advanced students only.</i>	S1 Intensive
Geology and Geophysics			
GEOL1551 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL1552 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL2554 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL2555 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL2556 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL2557 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL3551 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL3552 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL3553 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL3554 Geology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOS1001 Earth, Environment and Society	6	N GEOS1901, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902	Semester 1
GEOS1003 Introduction to Geology	6	N GEOS1903, GEOL1002, GEOL1902	Semester 2
GEOS1901 Earth, Environment and Society Advanced	6	P Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. N GEOS1001, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 <i>Note: Department permission required for enrolment</i>	Semester 1
GEOS1902 Introductory Geography (Advanced)	6	P Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. N GEOS1002, GEOG1001, GEOG1002 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS1903 Introduction to Geology (Advanced)	6	P Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. N GEOL1002, GEOL1902, GEOS1003 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS2111 Natural Hazards: a GIS Approach	6	P 24 credit points of junior units of study including one of GEOS1001 or GEOS1002 or GEOS1003 or GEOG1001 or GEOG1002 or ENVI1002 or GEOL1001 or GEOL1002 N GEOG2411, GEOS2911	Semester 1
GEOS2114 Volcanoes, Hot Rocks and Minerals	6	P GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903 or ENVI1002 and 24 credit points of Junior Science units of study. N GEOL2111, GEOL2911, CIVL2409, GEOS2914	Semester 1 Summer Late
GEOS2121 Environmental and Resource Management	6	P 24 credit points of junior units of study, including one of: GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or ECOP1001 or ECOP1002 N GEOG2421, GEOL2202, GEOS2921	Semester 2
GEOS2124 Fossils and Tectonics	6	P 24 credit points of Junior units of study, including GEOS1003 or GEOS1903 N GEOS2924, GEOL2123, GEOL2124	Semester 2
GEOS2911 Natural Hazards: a GIS Approach Advanced	6	P 24 credit points of junior units of study including GEOS1001 or GEOS1002 or GEOS1003 or GEOG1001 or GEOG 1002 or ENVI1002 or GEOL1001 or GEOL1002 N GEOG2411, GEOS2111	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOS2912 Economic Geography of Global Dev. Adv.	6	P 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 N GEOS2112, GEOG2511	Semester 1
GEOS2913 Making the Australian Landscape Advanced	6	P 24 credit points of Junior units of study, including distinction in one of GEOS1002 or GEOS1003 GEOS1902 or GEOS1903 or GEOG1001 or ENVI1002 or GEOL1001 or GEOL1002 or GEOL1902 N GEOS2113	Semester 1
GEOS2914 Volcanoes, Hot Rocks and Minerals Adv	6	P 24 credit points of Junior Science units of study and Distinction in one of GEOL1002 or GEOS1002 or ENVI1002. This requirement may be varied and students should consult the unit of study coordinator. N GEOL2001, CIVL2409, GEOS2114	Semester 1
GEOS2921 Environmental & Resource Management Adv	6	P 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS 1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 N GEOG2421, GEOL2202, GEOS2121	Semester 2
GEOS2922 Urban Geography (Advanced)	6	P 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS 1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 N GEOS2122	Semester 2
GEOS2924 Fossils and Tectonics (Advanced)	6	P Distinction in GEOS1003 or Distinction average in 12 credit points of Junior Geoscience units (Geoscience is the disciplines of Geography, Geology and Geophysics) N GEOS2124, GEOL2123, GEOL2124	Semester 2
GEOS3003 Dynamics of Continents and Basins	6	P (6 credit points of Intermediate Geoscience units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) N GEOL3101, GEOS3903	Semester 1
GEOS3004 Geophysics, Imaging, Oil/Ore Production	6	P 12 credit points of Intermediate Science units of study or CIVL2409 N GEOP3202, GEOS3904	Semester 2
GEOS3006 Mineral Deposits & Spatial Data Analysis	6	P 12 credit points of Intermediate Science units of study or CIVL2409 N GEOL3103, GEOS3906	Semester 2
GEOS3007 Remote Sensing: Imaging the Earth	6	P 12 credit points of Intermediate Science units of study or CIVL2409 N GEOL3101	Semester 1
GEOS3008 Field Geology and Geophysics	6	P 12 credit points of Intermediate GEOS units N GEOL3103, GEOS3908	Semester 2
GEOS3009 Coastal Environments & Processes	6	P (6 credit points of Intermediate Geoscience* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) N GEOS3909, MARS3003, MARS3105 <i>* Geoscience is the disciplines of Geography, Geology and Geophysics.</i>	Semester 1
GEOS3014 GIS in Coastal Management	6	P MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. N GEOS3914, MARS3104. <i>* Geoscience is the disciplines of Geography, Geology and Geophysics.</i>	Semester 2
GEOS3015 Environmental Geomorphology	6	A Intermediate geomorphology/ physical geography/ geology. P 24 credit points of Intermediate units, including 6 credit points of Intermediate Geography. N GEOS3915	Semester 2
GEOS3016 Seafloor Processes & Imaging	6	P 12 credit points of Intermediate Geoscience or ((one of MARS2005 and MARS2905) and (one of MARS2006 and MARS2906)) N GEOS3916, MARS3005, MARS3106 <i>* Geoscience is the disciplines of Geography, Geology and Geophysics.</i>	Semester 2
GEOS3017 Global Energy-Exploration & Exploitation	6	P MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. N GEOS3917, MARS3008. <i>* Geoscience is the disciplines of Geography, Geology and Geophysics. There are a limited number a places available at this fieldschool.</i>	Semester 1
GEOS3018 Rivers: Science, Policy and Management	6	P (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) N GEOS3918	Semester 1
GEOS3053 Asia-Pacific Field School-Assessment A	6	P 6 credit points of Intermediate units of study in Geography. C GEOS3054 N GEOG3201, GEOS3953 <i>Note: Department permission required for enrolment Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.</i>	S1 Intensive
GEOS3054 Asia-Pacific Field School-Assessment B	6	P 6 credit points of Intermediate units of study in Geography. C GEOS3053 N GEOG3201, GEOS3954 <i>Note: Department permission required for enrolment Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.</i>	S1 Intensive
GEOS3511 Understanding Australia's Regions	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study - one of GEOG2311, GEOG2321, GEOG2411, GEOG2411, GEOG2421, GEOG2511, GEOG2521, GEOS2111, GEOS2112, GEOS2113, GEOS2121, GEOS2122, GEOS2124, GEOS2911, GEOS2912, GEOS2921, GEOS2922, GEOS2924 N GEOS3911	Semester 1
GEOS3512 Contemporary Global Geographies	6	P 6 credit points of Intermediate units of study in Geography. N GEOS3912	Semester 1
GEOS3522 Cities and Citizenship	6	P 6 credit points of intermediate geography. N GEOG3203, GEOS3922	Semester 2
GEOS3551 Geoscience Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOS3552 Geoscience Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOS3553 Geoscience Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOS3554 Geoscience Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOS3903 Dynamics of Continents & Basins (Adv)	6	P Distinction average in ((6 credit points of Intermediate Geoscience* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906))) N GEOL3101, GEOS3003 <i>A Distinction in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.</i>	Semester 1
GEOS3909 Coastal Environments and Processes (Adv)	6	P Distinction average in ((6 credit points of Intermediate Geoscience* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906))) N GEOS3009, MARS3003, MARS3105 <i>A distinction average in prior Geography or Geology units is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.</i>	Semester 1
GEOS3911 Understanding Australia's Regions (Adv)	6	P Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study - one of GEOG2311, GEOG2321, GEOG2411, GEOG2411, GEOG2421, GEOG2511, GEOG2521, GEOS2111, GEOS2112, GEOS2113, GEOS2121, GEOS2122, GEOS2124, GEOS2911, GEOS2912, GEOS2921, GEOS2922, GEOS2924 N GEOS3511 <i>Note: Department permission required for enrolment</i>	Semester 1
GEOS3912 Contemporary Global Geographies (Adv)	6	P Distinction in 6 credit points of Intermediate units of study in Geography. N GEOS3512 <i>Note: Department permission required for enrolment</i>	Semester 1
GEOS3914 GIS in Coastal Management (Advanced)	6	P Distinction average in 12 credit points of intermediate geography or geology units or 12 credit points of intermediate marine science units. N GEOS3014, MARS3104 <i>Note: Department permission required for enrolment</i> <i>A distinction average in prior Geography, Geology or Marine Science units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.</i>	Semester 2
GEOS3915 Environmental Geomorphology (Advanced)	6	P Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. N GEOS3015 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS3916 Seafloor Processing and Imaging (Adv)	6	P Distinction average in (12 credit points of Intermediate Geoscience or ((one of MARS2005 & MARS2905) and (one of MARS2006 & MARS2906))) N GEOS3016, MARS3005, MARS3106 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS3917 Global Energy Exploration (Advanced)	6	P Distinction average in ((MARS(2005 or 2905) and MARS(2006 or 2906)), or 12 credit points of Intermediate Geoscience* units). N GEOS3017, MARS3008 <i>* Geoscience is the disciplines of Geography, Geology and Geophysics. There are a limited number a places available at this fieldschool.</i>	Semester 1
GEOS3918 Rivers: Science and Management (Adv)	6	P Distinction average in (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) N GEOS3018	Semester 1
GEOS3922 Cities and Citizenship (Advanced)	6	P Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOS3522	Semester 2
GEOS3953 Asia-Pacific Field School-A (Adv)	6	P Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. C GEOS3954 N GEOS3053 <i>Note: Department permission required for enrolment</i> <i>Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.</i>	S1 Intensive
GEOS3954 Asia-Pacific Field School-B (Adv)	6	P Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study C GEOS3953 N GEOS3054 <i>Note: Department permission required for enrolment</i> <i>Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.</i>	S1 Intensive
GEOL4011 Geology Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL4012 Geology Honours B	12	C GEOL4011	Semester 1 Semester 2
GEOL4013 Geology Honours C	12	C GEOL4012	Semester 1 Semester 2
GEOL4014 Geology Honours D	12	C GEOL4013	Semester 1 Semester 2
Government and International Relations			
GOVT1001 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GOVT1002 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT1101 Australian Politics	6		Semester 1
GOVT1104 Power in Society	6		Semester 2
GOVT1105 Geopolitics	6		Semester 2
GOVT1202 World Politics	6		Semester 1
GOVT1609 Ethnicity, Nationalism and Citizenship	6	<i>Note: Department permission required for enrolment in the following sessions: S1 Intensive</i>	S1 Intensive Summer Late
GOVT1881 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT1882 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2111 Human Rights and Australian Politics	6	P Two GOVT1000 level units of study N GOVT2101 <i>Note: Department permission required for enrolment in the following sessions: S1 Intensive. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	S1 Intensive Summer Late
GOVT2116 Australian Foreign and Defence Policy	6	P Two GOVT1000 level units of study N GOVT2106	Semester 1
GOVT2119 Southeast Asia: Dilemmas of Development	6	P Two GOVT1000 level units of study N ECHS2303, GOVT2109	Semester 1
GOVT2210 International Risk Analysis	6	P Two GOVT1000 level units of study N GOVT3210	Semester 2
GOVT2221 Politics of International Economic Rels	6	P Two GOVT1000 level units of study N GOVT2201	Semester 2
GOVT2225 International Security in 21st Century	6	P Two GOVT1000 level units of study N GOVT2205	Semester 1
GOVT2226 International Organisations	6	P Two GOVT1000 level units of study N GOVT2206	Semester 2
GOVT2228 Environmental Politics	6	P Two GOVT1000 level units of study N GOVT2208 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GOVT2440 Globalisation and National Governance	6	P Two GOVT1000 level units of study N GOVT2410	Semester 1
GOVT2445 American Politics and Foreign Policy	6	P Two GOVT1000 level units of study N GOVT2405	Semester 2
GOVT2552 Policy Analysis	6	P Two GOVT1000 level units of study N GOVT2502 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT2557 Public Sector Management	6	P Two GOVT1000 level units of study N GOVT2507	Semester 2
GOVT2558 Government, Business and Society	6	P 4 junior units of study	Semester 1
GOVT2665 Ethics and Politics	6	P Two GOVT1000 level units of study N GOVT2605 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT2881 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2882 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2883 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2884 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2991 Government 2 Honours	6	P Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator. N GOVT2091 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT3558 Internship in Public Policy and Affairs	18	P Consultation with Discipline's Internship Coordinator N GOVT3508 <i>Note: Department permission required for enrolment. Applications in writing and enrolments limited by number of available placements. This unit is available in Semester 1 for Boston University and University of Sydney Student Exchange Agreement students only. All other students can only be admitted to study this unit for Semester 2.</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GOVT3993 Government 3 Honours Part A	6	P Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Chair of Discipline. N GOVT3991 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT3994 Government 3 Honours Part B	6	P Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Chair of Discipline N GOVT3992 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GOVT4101 Government Honours A	12	P Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law C Must enrol in GOVT4101, 4102, 4103, and 4104 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT4102 Government Honours B	12	P Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law C Must enrol in GOVT4101 and 4102 and 4103 and 4104	Semester 1 Semester 2
GOVT4103 Government Honours C	12	P Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law C Must enrol in GOVT4101, 4102, 4103, and 4104	Semester 1 Semester 2
GOVT4104 Government Honours D	12	P Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law C Must enrol in GOVT4101, 4102, 4103, and 4104	Semester 1 Semester 2
History and Philosophy of Science			
HPSC1000 Bioethics	6	N HPSC1900 <i>This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.</i>	Semester 1
HPSC1900 Bioethics (Advanced)	6	N HPSC1000 <i>Enrolment in this unit is limited, and will be on a first-come first-served basis.</i>	Semester 1
HPSC2100 The Birth of Modern Science	6	P 24 credit points of Junior units of study N HPSC2002, HPSC2900	Semester 1
HPSC2101 What Is This Thing Called Science?	6	P 24 credit points of Junior units of study N HPSC2001, HPSC2901	Semester 2 Summer Late
HPSC2900 The Birth of Modern Science (Advanced)	6	P Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average N HPSC2002, HPSC2100 <i>Enrolment in this unit is limited, and will be on a first-come, first-served basis.</i>	Semester 1
HPSC2901 What Is This Thing Called Science? (Adv)	6	P Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average N HPSC2002, HPSC2100 <i>Enrolment in this unit is limited and will be on a first-come, first-served basis.</i>	Semester 2
HPSC3002 History of Biological/Medical Sciences	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 1
HPSC3016 The Scientific Revolution	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) P At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. N HPSC3001, HPSC3106 <i>This unit will not be offered every year.</i>	Semester 2
HPSC3022 Science and Society	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002). P At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. N HPSC3003 <i>This unit is a requirement for HPS majors.</i>	Semester 1
HPSC3023 Psychology & Psychiatry: History & Phil	6	A Basic knowledge about the history of modern science as taught in HPSC2100 AND the principles of philosophy of science as taught in HPSC2101 AND knowledge of the various sub-disciplines within Psychology. P (at least 8 credit points of intermediate HPSC Units of study) OR (a CR or above in one HPSC intermediate Unit of Study) OR (12 intermediate credit points in psychology). N PSYC3202	Semester 1
HPSC3024 Science and Ethics	6	P At least 24 credit points of Intermediate or Senior units of study N HPSC3007 <i>This unit will not be offered every year.</i>	Semester 2
HPSC4101 Philosophy of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 1
HPSC4102 History of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4103 Sociology of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HPSC4104 Recent Topics in HPS	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4105 HPS Research Methods	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4201 HPS Research Project 1	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4202 HPS Research Project 2	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106 and HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4203 HPS Research Project 3	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4204 HPS Research Project 4	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4999 History & Philosophy of Science Honours		P Available only to students admitted to HPS Honours. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Industrial Relations and Human Resource Management			
WORK1003 Foundations of Work and Employment	6	<i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1 Semester 2
WORK2201 Foundations of Management	6	P 24 credit points of junior units of study N IREL2001, WORK2001 <i>This is the compulsory unit of study for the Management major.</i>	Semester 1
WORK2203 Industrial Relations Policy	6	P 24 credit points of junior units of study including (WORK1003 or WORK1001 or IREL1001) N IREL2003, WORK2003 <i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 2
WORK2205 Human Resource Processes	6	P 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2005, WORK2005 <i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1
WORK2206 Work: Past and Present	6	P 48 junior credit points N IREL2006, WORK2006	Semester 1
WORK2209 Organisational Analysis and Behaviour	6	P 40 credit points worth of units of study N IREL2009, WORK2009	Semester 2
WORK2210 Strategic Management	6	P 40 credit points worth of units of study N IREL2010, WORK2010	Semester 1
WORK2211 Human Resource Strategies	6	P 40 credit points of units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2011, WORK2011	Semester 2
WORK2215 IR and HRM Practice	6	P WORK1003 or (WORK1001 and WORK1002) plus 12 senior credit points in WOS units of study N IREL2015, WORK2015 <i>Note: Department permission required for enrolment</i>	S2 Late Int
WORK2217 International Human Resource Management	6	P 40 credit points worth of units of study including either (WORK1003 or WORK1001 or IREL1001) OR (IBUS2101 or IBUS2001) N WORK2017	Semester 2
WORK2218 People and Organisations	6	P 24 junior credit points	Semester 1 Semester 2
WORK2551 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK2552 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK2553 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK2554 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK2555 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
WORK2556 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK3921 Theories of Work and Organisations	6	P (WORK1003 or WORK1001 or IREL1001) and (WORK1002 or IREL1002) and enrolled in Industrial Relations and Human Resource Management or Management major with minimum grade credit in all WORK units. C Enrolment in either an Industrial Relations and Human Resource Management or Management major N IREL3901, WORK3901 <i>Note: Department permission required for enrolment</i>	Semester 1
WORK3922 Researching Work and Organisations	6	P WORK3921 or IREL3901 or (IREL2901 and IREL2902) and enrolled in Industrial Relations and Human Resource Management or Management major with minimum grade credit in all WORK units. Students must have completed 48 senior credit points of study. N IREL3902, WORK3902 <i>Note: Department permission required for enrolment</i> <i>Enrolment in either an Industrial Relations and Human Resource Management or Management major</i>	Semester 2
WORK4101 Industrial Relations & HRM Honours A	12	P 36 credit points of senior level WORK units of study plus WORK3921 and WORK3922. All WORK units of study must be passed at a credit level or above. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study N IREL4101 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK4102 Industrial Relations & HRM Honours B	12	C WORK4101 N IREL4102	Semester 1 Semester 2
WORK4103 Industrial Relations & HRM Honours C	12	C WORK4102 N IREL4103	Semester 1 Semester 2
WORK4104 Industrial Relations & HRM Honours D	12	C WORK4103 N IREL4104	Semester 1 Semester 2
Information Systems			
INFO3402 Management of IT Projects and Systems	6	P INFO (2000 or 2110 or 2810 or 2900). N ISYS (3000 or 3012)	Semester 1
INFO3404 Database Systems 2	6	P INFO(2120 or 2820 or 2005 or 2905). N INFO (3005 or 3504 or 3905) or COMP (3005 or 3905)	Semester 2
INFO3504 Database Systems 2 (Adv)	6	P INFO (2005 or 2120 or 2820 or 2905), and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. N INFO (3005 or 3404 or 3905) or COMP (3005 or 3905)	Semester 2
ISYS1551 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS1552 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS2140 Information Systems	6	P INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901). N ISYS (2006 or 2007)	Semester 1
ISYS2554 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS2555 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS2556 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS2557 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS3400 Information Systems Project	6	P (INFO3402 or ISYS3012) and (ISYS (3401 or 3015) or ARIN2000). N ISYS3207	Semester 2
ISYS3401 Analytical Methods & Information Systems	6	P ISYS (2140 or 2006) and INFO (2000 or 2110 or 2810 or 2900) and (MATH(1005 or 1015 or 1905) or STAT1021) and (ARIN1000 or ENGL1050 or ENGL1005 or LNGS1001 or LNGS1002 or LNGS1005 or any HPSC unit) N ISYS3015	Semester 1
ISYS3403 IT Systems in Arts and Humanities	6	P INFO (2000 or 2110 or 2810 or 2900) and INFO (2005 or 2120 or 2820 or 2905). N ISYS3113 or EBUS(3002 or 3004).	Semester 1
ISYS3554 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS3555 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS3556 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS3557 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS4050 Knowledge Management Systems	6	A Information systems concepts, database concepts	Semester 1
ISYS4301 Information Systems Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS4302 Information Systems Honours B	12	C ISYS4301	Semester 1 Semester 2
ISYS4303 Information Systems Honours C	12	C ISYS4302	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ISYS4304 Information Systems Honours D	12	C ISYS4303	Semester 1 Semester 2
Law			
LAWS1006 Foundations of Law	6	N LAWS1000 <i>Available to Combined Law candidates only.</i>	Semester 1
LAWS1007 Law, Lawyers and Justice	6	N LAWS1010, LAWS3002, LAWS3004 <i>Note: Department permission required for enrolment Available to Combined Law candidates who commenced prior to 2001 and have completed LAWS3001 only.</i>	Semester 2
LAWS1010 Torts	6	P LAWS1006 N LAWS3001, LAWS1012, LAWS1005 <i>Note: Department permission required for enrolment Available to Combined Law candidates who commenced prior to 2006 and are progressing under the old LLB resolutions.</i>	Semester 2
LAWS1011 Federal Constitutional Law	6	P LAWS1006 N LAWS3000, LAWS3003 <i>Note: Department permission required for enrolment Available to Combined Law candidates only.</i>	Semester 1
LAWS1012 Torts	6	P LAWS1006 N LAWS1005, LAWS1010, LAWS3001 <i>Available to Combined Law candidates who commence in 2007.</i>	Semester 2
LAWS1013 Legal Research I		C LAWS1006 N LAWS1008 <i>Available to Combined Law candidates only in 2007.</i>	Semester 1
LAWS1014 Processes of Justice	6	P LAWS1006 C LAWS1006 (for transfer students only) N LAWS1007, LAWS3002, LAWS3004, LAWS1001 <i>Available to Combined Law candidates who commenced in 2006 or 2007 and are progressing under the new LLB resolutions.</i>	Semester 1
LAWS1015 Contracts	6	P LAWS1006 N LAWS1002, LAWS2000, LAWS2008 <i>Available to Combined Law candidates who commenced in 2006 or 2007 and are progressing under the new LLB resolutions.</i>	Semester 1
LAWS1016 Criminal Law	6	N LAWS1003, LAWS2001, LAWS2009 <i>Available to Combined Law candidates who commenced in 2006 or 2007 and are progressing under the new LLB resolutions.</i>	Semester 2
LAWS2008 Contracts	6	P LAWS1006 N LAWS1002, LAWS1015 <i>Note: Department permission required for enrolment in the following sessions: Semester 1 Available to Combined Law candidates who commenced prior to 2006 and are progressing under the old LLB resolutions.</i>	Semester 1 Summer Dec
LAWS2009 Criminal Law	6	P LAWS1006 N LAWS1003, LAWS1016 <i>Note: Department permission required for enrolment Available only to Combined Law candidates who commenced prior to 2006 and are progressing under the old LLB resolutions.</i>	Semester 2
LAWS3000 Federal Constitutional Law	10	P LAWS1006 N LAWS3003 <i>Note: Department permission required for enrolment Available to Combined Law candidates only.</i>	Semester 1
LAWS3001 Torts	10	P LAWS1006 N LAWS1010 <i>Note: Department permission required for enrolment Available to Combined Law candidates who commenced prior to 2001 and have previously enrolled in LAWS1007.</i>	Semester 2
LAWS3002 Law, Lawyers and Justice	10	P LAWS1006 N LAWS3004, LAWS1007, LAWS1001 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old resolutions.</i>	Semester 2
LAWS3003 Federal Constitutional Law	12	P LAWS1006 N LAWS3000 <i>Available to Combined Law candidates only.</i>	Semester 1
LAWS3004 Law, Lawyers and Justice	12	P LAWS1006 N LAWS3002, LAWS1007, LAWS1001 <i>Available to Combined Law candidates proceeding under the old resolutions.</i>	Semester 2
Management			
ECON1001 Introductory Microeconomics	6	A Mathematics	Semester 1 Summer Main
ECON1002 Introductory Macroeconomics	6	A Mathematics	Semester 2 Summer Main
ECOS2306 Managerial Firms: Evolution & Attributes	6	P ECON1001 N ECHS2306, ECOS3003, ECON3003	Semester 2
ECOS3003 Hierarchies, Incentives & Firm Structure	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3003	Semester 2
ECOS3005 Industrial Organisation	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3005, ECOS2201	Semester 2 Summer Main

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOS3008 Labour Economics	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) N ECON3008	Semester 1
ECOS3012 Strategic Behaviour	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3012	Semester 1
GOVT1202 World Politics	6		Semester 1
GOVT1609 Ethnicity, Nationalism and Citizenship	6	<i>Note: Department permission required for enrolment in the following sessions: S1 Intensive</i>	S1 Intensive Summer Late
GOVT2552 Policy Analysis	6	P Two GOVT1000 level units of study N GOVT2502 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT2557 Public Sector Management	6	P Two GOVT1000 level units of study N GOVT2507	Semester 2
WORK1003 Foundations of Work and Employment	6	<i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1 Semester 2
WORK2205 Human Resource Processes	6	P 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2005, WORK2005 <i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1
WORK2209 Organisational Analysis and Behaviour	6	P 40 credit points worth of units of study N IREL2009, WORK2009	Semester 2
WORK2210 Strategic Management	6	P 40 credit points worth of units of study N IREL2010, WORK2010	Semester 1
WORK2211 Human Resource Strategies	6	P 40 credit points of units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2011, WORK2011	Semester 2
WORK2217 International Human Resource Management	6	P 40 credit points worth of units of study including either (WORK1003 or WORK1001 or IREL1001) OR (IBUS2101 or IBUS2001) N WORK2017	Semester 2
WORK2218 People and Organisations	6	P 24 junior credit points	Semester 1 Semester 2
WORK2219 Management and Organisational Ethics	6	P 40 credit points worth of units of study	Semester 2
WORK2220 Managing Knowledge Work	6	P 48 credit points	Semester 1
WORK2221 Organisational Communication	6	P 40 credit points worth of units of study	Semester 1
Mathematical Statistics			
STAT1021 General Statistical Methods 1	6	A HSC General Mathematics N MATH1005, MATH1015, MATH1905, ECMT1010	Semester 1
STAT2011 Statistical Models	6	P MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021] N STAT2901, STAT2001, STAT2911	Semester 1
STAT2012 Statistical Tests	6	A STAT (2011 or 2002) P MATH (1005 or 1905 or 1015) N STAT2004, STAT2912	Semester 2
STAT2911 Probability and Statistical Models (Adv)	6	P MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005) N STAT2001, STAT2011, STAT2901	Semester 1
STAT2912 Statistical Tests (Advanced)	6	A STAT (2911 or 2901) P MATH1905 or Credit in MATH1005 N STAT2004, STAT2012	Semester 2
STAT3011 Stochastic Processes and Time Series	6	P STAT (2011 or 2911 or 2001 or 2901) and MATH (1003 or 1903 or 1907). N STAT3911, STAT3003, STAT3903, STAT3005, STAT3905	Semester 1
STAT3012 Applied Linear Methods	6	P STAT(2012 or 2912 or 2004) and MATH(1002 or 1902). N STAT3912, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3013 Statistical Inference	6	P STAT(2012 or 2912 or 2003 or 2903). N STAT3913, STAT3001, STAT3901	Semester 2
STAT3014 Applied Statistics	6	A STAT(3012 or 3912). P STAT(2012 or 2912 or 2004). N STAT3914, STAT3002, STAT3902, STAT3006	Semester 2
STAT3911 Stochastic Processes and Time Series Adv	6	P (STAT2911 or credit in STAT2011) and MATH(1003 or 1903 or 1907). N STAT3011, STAT3003, STAT3903, STAT3005, STAT3905	Semester 1
STAT3912 Applied Linear Methods Advanced	6	P (STAT2912 or Credit in STAT2004 or Credit in STAT2012) and MATH(2061 or 2961 or 1902). N STAT3012, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3913 Statistical Inference Advanced	6	P STAT(2912 or 2903). N STAT3013, STAT3001, STAT3901	Semester 2
STAT3914 Applied Statistics Advanced	6	A STAT3912 P STAT2912 or credit or better in (STAT2004 or STAT2012). N STAT3014, STAT3002, STAT3902, STAT3006, STAT3907	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
STAT4201 Mathematical Statistics Honours A	12	Note: Department permission required for enrolment	Semester 1 Semester 2
STAT4202 Mathematical Statistics Honours B	12	C STAT 4201	Semester 1 Semester 2
STAT4203 Mathematical Statistics Honours C	12	C STAT 4202	Semester 1 Semester 2
STAT4204 Mathematical Statistics Honours D	12	C STAT 4203	Semester 1 Semester 2
Mathematics			
MATH1001 Differential Calculus	3	A HSC Mathematics Extension 1 N MATH1011, MATH1901, MATH1906, MATH1111	Semester 1 Summer Main
MATH1002 Linear Algebra	3	A HSC Mathematics Extension 1 N MATH1902, MATH1012, MATH1014	Semester 1 Summer Main
MATH1003 Integral Calculus and Modelling	3	A HSC Mathematics Extension 2 or MATH1001 or MATH1111 N MATH1013, MATH1903, MATH1907	Semester 2 Summer Main
MATH1004 Discrete Mathematics	3	A HSC Mathematics Extension 1 N MATH1904, MATH2011	Semester 2 Summer Main
MATH1005 Statistics	3	A HSC Mathematics N MATH1905, MATH1015, ECMT Junior units of study, STAT1021, STAT1022	Semester 2 Summer Main
MATH1011 Life Sciences Calculus	3	A HSC Mathematics N MATH1111, MATH1001, MATH1901, MATH1906	Semester 1 Summer Main
MATH1013 Differential and Difference Equations	3	A HSC Mathematics or MATH1111 N MATH1003, MATH1903, MATH1907	Semester 2
MATH1014 Introduction to Linear Algebra	3	A HSC Mathematics or MATH1111 N MATH1012, MATH1002, MATH1902	Semester 2 Summer Main
MATH1015 Life Science Statistics	3	A HSC Mathematics N MATH1005, MATH1905, STAT1021, STAT1022, ECMT Junior units of study.	Semester 1
MATH1111 Introduction to Calculus	6	A At least Year 10 Mathematics N MATH1001, MATH1901, MATH1011, MATH1906 Note: Department permission required for enrolment Students with HSC Mathematics/Extension 1/Extension 2 (or equivalent) are prohibited.	Semester 1
MATH1901 Differential Calculus (Advanced)	3	A HSC Mathematics Extension 2 N MATH1111, MATH1011, MATH1001, MATH1906 Note: Department permission required for enrolment	Semester 1
MATH1902 Linear Algebra (Advanced)	3	A HSC Mathematics Extension 2 N MATH1002, MATH1012, MATH1014 Note: Department permission required for enrolment	Semester 1
MATH1903 Integral Calculus and Modelling Advanced	3	A HSC Mathematics Extension 2 or Credit or better in MATH1001 or MATH1901 N MATH1003, MATH1013, MATH1907 Note: Department permission required for enrolment	Semester 2
MATH1904 Discrete Mathematics (Advanced)	3	A HSC Mathematics Extension 2 N MATH1004, MATH2011 Note: Department permission required for enrolment	Semester 2
MATH1905 Statistics (Advanced)	3	A HSC Mathematics Extension 2 N MATH1005, MATH1015, ECMT Junior units of study, STAT1021, STAT1022 Note: Department permission required for enrolment	Semester 2
MATH1906 Mathematics (Special Studies Program) A	3	P UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation N MATH1111, MATH1001, MATH1011, MATH1901 Note: Department permission required for enrolment	Semester 1
MATH1907 Mathematics (Special Studies Program) B	3	P Distinction in MATH1906; by invitation N MATH1003, MATH1013, MATH1903 Note: Department permission required for enrolment	Semester 2
MATH2061 Linear Mathematics and Vector Calculus	6	P MATH (1111 or 1001 or 1901 or 1906) and MATH (1014 or 1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH2001, MATH2901, MATH2002, MATH2902, MATH2961, MATH2067	Semester 1 Summer Main
MATH2063 Math Computing and Nonlinear Systems	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH2003, MATH1903, MATH2006, MATH2906, MATH2963	Semester 1
MATH2065 Partial Differential Equations (Intro)	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH2005, MATH2905, MATH2965, MATH2067	Semester 2
MATH2068 Number Theory and Cryptography	6	P 9 credit points of Junior level Mathematics including MATH (1002 or 1902) N MATH3024, MATH3009	Semester 2
MATH2069 Discrete Mathematics and Graph Theory	6	P 6 credit points of Junior level Mathematics N MATH2011, MATH2009, MATH2969	Semester 1
MATH2070 Optimisation and Financial Mathematics	6	A MATH (1003 or 1903 or 1907) P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) N MATH2010, MATH2033, MATH2933, MATH2970, ECMT3510 Students may enrol in both MATH2070 and MATH3075 in the same semester	Semester 2
MATH2916 Working Seminar A (SSP)	3	P By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics Note: Department permission required for enrolment	Semester 1
MATH2917 Working Seminar B (SSP)	3	P By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics Note: Department permission required for enrolment	Semester 2
MATH2961 Linear Mathematics & Vector Calculus Adv	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH2001, MATH2901, MATH2002, MATH2902, MATH2061, MATH2067	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MATH2962 Real and Complex Analysis (Advanced)	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH2007, MATH2907	Semester 1
MATH2963 Math Computing & Nonlinear Systems (Adv)	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH2003, MATH2903, MATH2006, MATH2906, MATH2063	Semester 1
MATH2965 Partial Differential Equations Intro Adv	6	P MATH (2961 or Credit in 2061) or {MATH (2901 or Credit in 2001) and MATH (2902 or Credit in 2002)} N MATH2005, MATH 2905, MATH2065, MATH2067	Semester 2
MATH2968 Algebra (Advanced)	6	P 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002) N MATH2908, MATH2918, MATH2008	Semester 2
MATH2969 Discrete Mathematics & Graph Theory Adv	6	P 9 credit points of Junior Mathematics (advanced level or Credit at the normal level) N MATH2011, MATH2009, MATH2069	Semester 1
MATH2970 Optimisation & Financial Mathematics Adv	6	A MATH (1903 or 1907) or Credit in MATH1003 P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) N MATH2010, MATH2033, MATH2933, MATH2070 <i>Students may enrol in both MATH2970 and MATH3975 in the same semester</i>	Semester 2
MATH3061 Geometry and Topology	6	P 12 credit points of Intermediate Mathematics N MATH3001, MATH3006	Semester 2
MATH3062 Algebra and Number Theory	6	P 12 credit points of Intermediate Mathematics N MATH3962, MATH3902, MATH3002, MATH3009 <i>Students are advised to take MATH(2068 or 2968) before attempting this unit.</i>	Semester 2
MATH3063 Differential Equations & Biomaths	6	A MATH2061 P 12 credit points of Intermediate Mathematics N MATH3020, MATH3920, MATH3003, MATH3923, MATH3963	Semester 1
MATH3065 Logic and Foundations	6	P 6 credit points of Intermediate Mathematics N MATH3005	Semester 1
MATH3067 Information and Coding Theory	6	P 12 credit points of Intermediate Mathematics N MATH3007, MATH3010	Semester 2
MATH3068 Analysis	6	P 12 credit points of Intermediate Mathematics N MATH3008, MATH2007, MATH2907, MATH2962	Semester 1
MATH3075 Financial Mathematics	6	P 12 credit points of Intermediate Mathematics N MATH3975, MATH 3015, MATH3933	Semester 2
MATH3076 Mathematical Computing	6	P 12 credit points of Intermediate Mathematics and one of MATH(1001 or 1003 or 1901 or 1903 or 1906 or 1907) N MATH3976, MATH3016, MATH3916	Semester 1
MATH3078 PDEs and Waves	6	A MATH(2061/2961) and MATH(2065/2965) P 12 credit points of Intermediate Mathematics N MATH3978, MATH3018, MATH3921	Semester 2
MATH3961 Metric Spaces (Advanced)	6	A MATH2961 or MATH2962 P 12 credit points of Intermediate Mathematics units N MATH3901, MATH3001	Semester 1
MATH3962 Rings, Fields and Galois Theory (Adv)	6	A MATH2961 P 12 credit points of Intermediate Mathematics N MATH3062, MATH3902, MATH3002 <i>Students are advised to take MATH2968 before attempting this unit.</i>	Semester 1
MATH3963 Differential Equations & Biomaths (Adv)	6	A MATH2961 P 12 credit points of Intermediate Mathematics N MATH3020, MATH3920, MATH3003, MATH3923, MATH3063	Semester 1
MATH3964 Complex Analysis with Applications (Adv)	6	A MATH2962 P 12 credit points of Intermediate Mathematics N MATH3904, MATH3915	Semester 2
MATH3966 Modules and Group Representations (Adv)	6	A MATH3962 P 12 credit points of Intermediate Mathematics N MATH3906, MATH3907	Semester 2
MATH3968 Differential Geometry (Advanced)	6	A At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level. P 12 credit points of Intermediate Mathematics, including MATH2961 N MATH3903	Semester 2
MATH3969 Measure Theory & Fourier Analysis (Adv)	6	A At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level P 12 credit points Intermediate Mathematics N MATH3909	Semester 2
MATH3974 Fluid Dynamics (Advanced)	6	A MATH2961, MATH2965 P 12 credit points of Intermediate Mathematics with average grade of at least Credit N MATH3914	Semester 1
MATH3975 Financial Mathematics (Advanced)	6	P 12 credit points of Intermediate Mathematics with at least Credit average N MATH3933, MATH3015, MATH3075	Semester 2
MATH3976 Mathematical Computing (Advanced)	6	P 12 credit points of Intermediate Mathematics and one of MATH(1903 or 1907) or Credit in MATH1003 N MATH3076, MATH3016, MATH3916	Semester 1
MATH3977 Lagrangian & Hamiltonian Dynamics (Adv)	6	P 12 credit points of Intermediate Mathematics with at least Credit average N MATH2904, MATH2004, MATH3917	Semester 2
MATH3978 PDEs and Waves (Advanced)	6	A MATH(2061/2961) and MATH(2065/2965) P 12 credit points of Intermediate Mathematics with at least Credit average N MATH3078, MATH3018, MATH3921	Semester 2
MATH4301 Pure Mathematics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MATH4302 Pure Mathematics Honours B	12	C MATH4301	Semester 1 Semester 2
MATH4303 Pure Mathematics Honours C	12	C MATH4302	Semester 1 Semester 2
MATH4304 Pure Mathematics Honours D	12	C MATH4303	Semester 1 Semester 2
MATH4401 Applied Mathematics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MATH4402 Applied Mathematics Honours B	12	C MATH4401	Semester 1 Semester 2
MATH4403 Applied Mathematics Honours C	12	C MATH4402	Semester 1 Semester 2
MATH4404 Applied Mathematics Honours D	12	C MATH4403	Semester 1 Semester 2
Microbiology			
MICR2021 Introductory Microbiology	6	P 6cp of Junior Biology and (6cp of MBLG1001 or MBLG2901 or PLNT2001 or PLNT2901) and 6cp of Junior Chemistry N MICR2921, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 <i>Students are very strongly recommended to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).</i>	Semester 1
MICR2022 Microbes in Society	6	A MICR (2021 or 2921 or 2024) P 6 credit points of Junior Biology and (6 credit points of MBLG1001 or PLNT2001 or PLNT2911) and 6 credit points of Junior Chemistry N MICR2922, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 <i>Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).</i>	Semester 2
MICR2024 Microbes in the Environment	6	P 30 credit points of Junior Science or Faculty of Agriculture, Food and Natural Resource units including 6 credit points of Junior Biology. N MICR2021, MICR2921, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 <i>Students are very strongly recommended to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).</i>	Semester 2
MICR2551 Microbiology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR2552 Microbiology Exchange	8	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR2553 Microbiology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR2554 Microbiology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR2921 Introductory Microbiology (Advanced)	6	P (6credit points of Junior Biology) and (6credit points of MBLG1001 or MBLG2901 or PLNT2001 or PLNT2911) and 6 credit points of Junior Chemistry. Distinction grade required in at least one of Junior Biology or MBLG1001 or PLNT2001 or PLNT2911. N MICR2021, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 <i>Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 or 2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT(2001 or 2901).</i>	Semester 1
MICR2922 Microbes in Society (Advanced)	6	A MICR (2021 or 2921 or 2024) P 6 credit points of Junior Biology and (6 credit points of MBLG1001 or PLNT2001 or PLNT2901) and 6 credit points of Junior Chemistry. Distinction grade required in at least one of Junior Biology or MBLG1001 or PLNT2001 or PLNT2911. N MICR2022, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 <i>Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).</i>	Semester 2
MICR3011 Microbes in Infection	6	P At least 6 credit points of MBLG units and MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2807 and 2808). For BScAgr students: PLNT (2001 or 2901) and MICR (2022 or 2922). N MICR3911, MICR3001, MICR3901	Semester 1
MICR3012 Molecular Biology of Pathogens	6	P At least 6 credit points of MBLG units and MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802, 2807 and 2808). For BScAgr students: PLNT (2001 or 2901) and MICR2024. N MICR3912, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904	Semester 2
MICR3022 Microbial Biotechnology	6	P At least 6 credit points of MBLG units and 6 credit points of Intermediate MICR units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 and 2807). For BScAgr students: PLNT (2001 or 2901) and MICR2024. N MICR3922, MICR3002, MICR3902	Semester 2
MICR3551 Microbiology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR3552 Microbiology Exchange	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR3553 Microbiology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MICR3554 Microbiology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MICR3555 Microbiology Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
MICR3911 Microbes in Infection (Advanced)	6	P At least 6 credit points of MBLG units and Distinction in MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including in BMED (2807 or 2808) with a Distinction in one of these two. For BScAgr students: PLNT (2001 or 2901) and MICR (2022 or 2922) including one Distinction. N MICR3011, MICR3001, MICR3901	Semester 1
MICR3912 Molecular Biology of Pathogens (Adv)	6	P At least 6 credit points of MBLG units and Distinction in MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 or 2807 or 2808) with a Distinction in one of these three. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. N MICR3012, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904	Semester 2
MICR3922 Microbial Biotechnology (Advanced)	6	P At least 6 credit points of MBLG units and Distinction in 6 credit points of Intermediate MICR units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 and 2807) with a Distinction in at least one of these two. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. N MICR3022, MICR3002, MICR3902	Semester 2
VIRO3001 Virology	6	A MICR (2021 or 2921 or 2022 or 2922) P At least 6 credit points of MBLG units and at least 6 credit points in Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI or PLNT units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED2802. For BScAgr students: PLNT (2001 or 2901) and MICR2024. N VIRO3901 <i>Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.</i>	Semester 1
VIRO3002 Medical and Applied Virology	6	A Intermediate microbiology, immunology, molecular biology and genetics. P 6 CP MBLG units and at least 6 CP from Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI units. For BMedSc Students: 42 credit points of Intermediate BMED units including BMED2807. <i>Students are very strongly recommended to complete VIRO(3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Semester 2.</i>	Semester 2
VIRO3901 Virology (Advanced)	6	A MICR (2021 or 2921 or 2022 or 2922) P At least 6 credit points of MBLG units and at least 6 credit points including one Distinction in Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI or PLNT units. For BMedSc students: 42 credit points of Intermediate BMED units including Distinction in BMED2802. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. N VIRO3001 <i>Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.</i>	Semester 1
MICR4011 Microbiology Honours A	12	Note: Department permission required for enrolment	Semester 1 Semester 2
MICR4012 Microbiology Honours B	12	C MICR4011	Semester 1 Semester 2
MICR4013 Microbiology Honours C	12	C MICR4012	Semester 1 Semester 2
MICR4014 Microbiology Honours D	12	C MICR4013	Semester 1 Semester 2
Physics			
COSC1001 Computational Science in Matlab	3	A HSC Mathematics N COSC1901	Semester 2
COSC1002 Computational Science in C	3	A HSC Mathematics N COSC1902	Semester 2
COSC1901 Computational Science in Matlab (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC1902, or a distinction or better in COSC1002, SOFT (1001, 1002, 1901 or 1902). N COSC1001	Semester 2
COSC1902 Computational Science in C (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC1901, or a distinction or better in COSC1001, SOFT (1001, 1002, 1901 or 1902). N COSC1002	Semester 2
COSC3011 Scientific Computing	6	A Programming experience in MATLAB P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. N COSC3911, COSC3001, COSC3901, PHYS3301, PHYS3901	Semester 1
COSC3012 Parallel Computing & Visualisation	6	A Programming experience in C and MATLAB or equivalent. P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. N COSC3912, COSC3002, COSC3902, COSC3601, PHYS3303, PHYS3933	Semester 2
COSC3911 Scientific Computing (Advanced)	6	A Programming experience in MATLAB P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas with a credit average. N COSC3011, COSC3001, COSC3901, PHYS3301, PHYS3901	Semester 1
COSC3912 Parallel Computing & Visualisation (Adv)	6	A Programming experience in C and MATLAB or equivalent. P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas with a credit average. N COSC3012, COSC3002, COSC3902, COSC3601, PHYS3303, PHYS3933	Semester 2
PHYS1001 Physics 1 (Regular)	6	A HSC Physics C Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) N PHYS1002, PHYS1901	Semester 1
PHYS1002 Physics 1 (Fundamentals)	6	A No assumed knowledge of Physics C Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) N PHYS1001, PHYS1901	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS1003 Physics 1 (Technological)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. C Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). N PHYS1004, PHYS1902 <i>It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit</i>	Semester 2
PHYS1004 Physics 1 (Environmental & Life Science)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. C Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). N PHYS1003, PHYS1902 <i>It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit</i>	Semester 2
PHYS1500 Astronomy	6	A No assumed knowledge of Physics.	Semester 2
PHYS1901 Physics 1A (Advanced)	6	P UAI of at least 96, or HSC Physics result in Band 6, or PHYS1902, or Distinction or better in PHYS (1003 or 1004) or an equivalent unit. C Recommended concurrent Units of Study: MATH (1001/1901,1002/1902). N PHYS1001, PHYS1002	Semester 1
PHYS1902 Physics 1B (Advanced)	6	P UAI of at least 96, or HSC Physics result in Band 6, or PHYS1901, or Distinction or better in PHYS (1001 or 1002) or an equivalent unit. C Recommended concurrent unit of study: MATH (1003/1903), MATH (1005/1905). N PHYS1003, PHYS1004 <i>It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit</i>	Semester 2
PHYS2011 Physics 2A	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful P 12 credit points of Junior Physics (excluding PHYS1500 and PHYS1600) N PHYS2001, PHYS2901, PHYS2911, PHYS2101, PHYS2103, PHYS2213, PHYS2203	Semester 1
PHYS2012 Physics 2B	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful P PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) N PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2912, PHYS2213, PHYS2203	Semester 2
PHYS2013 Astrophysics and Relativity	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful P PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2011 or 2911) C PHYS (2012 or 2912) N PHYS2001, PHYS2901, PHYS2913, PHYS2101, PHYS2103	Semester 2
PHYS2911 Physics 2A (Advanced)	6	A MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful P Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). N PHYS2901, PHYS2001, PHYS2011, PHYS2101, PHYS2103, PHYS2213, PHYS2203	Semester 1
PHYS2912 Physics 2B (Advanced)	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful P Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). N PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2012, PHYS2213, PHYS2203	Semester 2
PHYS2913 Astrophysics and Relativity (Advanced)	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. P Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2011 or 2911). C PHYS (2912 or 2012). N PHYS2001, PHYS2901, PHYS2013, PHYS2101, PHYS2103	Semester 2
PHYS3015 Topics in Senior Physics A	6	A 6 credit points of Intermediate Mathematics P 12 credit points of Intermediate Physics <i>Note: Department permission required for enrolment</i>	Semester 1
PHYS3025 Topics in Senior Physics B	6	A 6 credit points of Intermediate Mathematics P 12 credit points of Intermediate Physics <i>Note: Department permission required for enrolment</i>	Semester 2
PHYS3040 Electromagnetism & Physics Lab	6	P PHYS(2011 or 2911 or 2001 or 2901), PHYS(2012 or 2912 or 2002 or 2902), MATH(2061 or 2961 or 2067) N PHYS3940, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917	Semester 1
PHYS3051 Thermodynamics/Biol. Physics & Lab	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959	Semester 1
PHYS3054 Nanoscience/Plasma Physics & Physics Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3954, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978	Semester 1
PHYS3055 Nanoscience/Plasma/Thermodynamics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3955, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978	Semester 1
PHYS3057 Nanoscience/Thermodynamic/Biol.Phys	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3957, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959	Semester 1
PHYS3059 Plasma/Thermodynamics/Biol. Physics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3959, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978	Semester 1
PHYS3060 Quantum Mechanics & Physics Lab	6	P PHYS 2011 or 2911 or 2001 or 2901; PHYS 2012 or 2912 or 2002 or 2902; MATH 2061 or 2961 or 2067 N PHYS3960, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS3062 Quantum/Cond Matter Physics & Lab	6	P PHYS2012 or PHYS2912 N PHYS3060, PHYS3960, PHYS3961, PHYS3962, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981	Semester 2
PHYS3068 Optics/Cond. Matter & Lab	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3968, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3069 Optics/High Energy Physics & Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3969, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3071 High Energy/Astrophysics & Lab	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3971, PHYS3069, PHYS3969, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3074 High Energy/Cond. Matter Physics & Lab	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3974, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3079 Cond. Matter/High Energy/Astrophysics	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3979, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3080 Optics/Cond.Matter/High Energy Physics	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3980, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3081 Optics/Cond. Matter/Astrophysics	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3981, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3082 Optics/High Energy/Astrophysics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3982, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981	Semester 2
PHYS3915 Topics in Senior Physics A (Advanced)	6	A 6 credit points of Intermediate Mathematics P 12 credit points of Intermediate Physics. <i>Note: Department permission required for enrolment</i>	Semester 1
PHYS3925 Topics in Senior Physics B (Advanced)	6	P 12 credit points of Intermediate Physics with a Credit average and 6 credit points of Intermediate Mathematics. <i>Note: Department permission required for enrolment</i>	Semester 2
PHYS3940 Electromagnetism & Physics Lab (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with a grade of at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with a grade of at least Credit; MATH (2061 or 2961 or 2067) N PHYS3040, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917	Semester 1
PHYS3941 Electromagnetism & Special Project (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) N PHYS3040, PHYS3940, PHYS3961, PHYS3011, PHYS3911, PHYS3918, PHYS3928 <i>Note: Department permission required for enrolment</i> <i>Approval for this unit must be obtained from the School of Physics Senior Coordinator.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS3951 Thermodynamics/Biol. Physics & Lab (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959	Semester 1
PHYS3954 Nanoscience/Plasma Physics & Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3054, PHYS3050, PHYS3950, PHYS3052, PHYS3952, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978	Semester 1
PHYS3955 Nanoscience/Plasma/Thermodynamics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3055, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978	Semester 1
PHYS3957 Nanoscience/Thermodynamic/Biol.Phys(Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3057, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3959	Semester 1
PHYS3959 Plasma/Thermodynamics/Biol.Physics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3059, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978	Semester 1
PHYS3960 Quantum Mechanics & Physics Lab (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) N PHYS3060, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927	Semester 2
PHYS3961 Quantum Mechanics & Special Project(Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) N PHYS3060, PHYS3960, PHYS3941, PHYS3011, PHYS3911, PHYS3918, PHYS3928 <i>Note: Department permission required for enrolment</i> <i>Approval for this unit must be obtained from the School of Physics Senior Coordinator</i>	Semester 2
PHYS3962 Quantum/Cond Matter Physics & Lab (Adv)	6	P PHYS2012 or PHYS2912 with result of credit or better N PHYS3060, PHYS3960, PHYS3961, PHYS3062, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3982	Semester 2
PHYS3968 Optics/Cond. Matter & Lab (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3068, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3969 Optics/High Energy Physics & Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3069, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3971 High Energy/Astrophysics & Lab (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3071, PHYS3069, PHYS3969, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3974 High Energy/Cond. Matter Phys.& Lab(Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit ; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3074, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3979 Cond. Matter/High Energy/Astrophys (Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911 or 2001 or 2901) with at least credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3079, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS3980 Optics/Cond.Matter/High Energy Phys(Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3080, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3981 Optics/Cond. Matter/Astrophysics (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3081, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3082, PHYS3982	Semester 2
PHYS3982 Optics/High Energy/Astrophysics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N PHYS3082, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981	Semester 2
PHYS4011 Physics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHYS4012 Physics Honours B	12	C PHYS4011	Semester 1 Semester 2
PHYS4013 Physics Honours C	12	C PHYS4012	Semester 1 Semester 2
PHYS4014 Physics Honours D	12	C PHYS4013	Semester 1 Semester 2
Plant Science			
BIOL3009 Terrestrial Field Ecology	6	A Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. P 12 credit points of intermediate level Biology. N BIOL3909, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924	S2 Intensive
BIOL3017 Fungi in the Environment	6	P 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. N BIOL3917 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
BIOL3909 Terrestrial Field Ecology (Advanced)	6	A Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. P Distinction average in 12 credit points of intermediate level Biology. N BIOL3009, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924 <i>Students taking this unit of study will complete an individual research project on a topic negotiated with a member of staff. it is expected that much of the data collection will be completed during the field trip but some extra time may be needed during semester 2.</i>	S2 Intensive
BIOL3917 Fungi in the Environment (Advanced)	6	P Distinction average in 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. N BIOL3017 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
PLNT2001 Plant Biochemistry and Molecular Biology	6	P 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) N PLNT2901, AGCH2001	Semester 1
PLNT2002 Aust Flora: Ecology and Conservation	6	A The contents of BIOL (1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL) and Plant Science (PLNT) units of study using BIOL (1003 or 1903) will need to do some preparatory reading. P 12 credit points from a combination of Junior BIOL or LWSC units of study including two of BIOL (1001, 1901, 1002, 1902, 1003, 1903) LWSC1002, MBLG1001 (or with the Dean's permission BIOL1201 and BIOL1202 may be substituted for the above). N PLNT2902, BIOL2004, BIOL2904	Semester 1
PLNT2003 Plant Form and Function	6	A The content of BIOL(1002 or 1902) is assumed knowledge and students entering from BIOL(1003 or 1903) will need to do some preparatory reading P 12 credit points of Junior Biology (or with the Dean's permission), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1002 N PLNT2903, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT2901 Plant Biochem & Molecular Biology (Adv)	6	P A Distinction average in 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) N PLNT2001, AGCH2001	Semester 1
PLNT2902 Aust Flora: Ecology & Conservation (Adv)	6	A The contents of BIOL(1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL) and Plant Science (PLNT) units of study using BIOL(1003 or 1903) will need to do some preparatory reading P Distinction average in 12 credit points from a combination of Junior BIOL or LWSC units of study including two of BIOL (1001, 1901, 1002, 1902, 1003, 1903) LWSC1002, MBLG1001 (or with the Dean's permission BIOL1201 and BIOL1202).These requirements may be varied and students with lower averages should consult the unit Executive Officer N PLNT2002, BIOL2004, BIOL2904	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PLNT2903 Plant Form and Function (Advanced)	6	A The content of BIOL(1002 or 1902) is assumed knowledge and students entering from BIOL(1003 or 1903) will need to do some preparatory reading P Distinction average in 12 credit points of Junior Biology or BIOL1001 and ENV1002 (or with the Dean's permission, BIOL1201 and BIOL1202) N PLNT2003, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT3001 Plant, Cell and Environment	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent N PLNT3901	Semester 2
PLNT3901 Plant, Cell and Environment (Advanced)	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent N PLNT3001 <i>Note: Department permission required for enrolment</i> <i>Entry is restricted and is based on a combination of a high WAM and student motivation</i>	Semester 2
Political Economy			
ECOP1001 Economics as a Social Science	6		Semester 1
ECOP1002 Economy and Policy	6		Semester 2
ECOP1003 International Economy and Finance	6	<i>This unit of study is not available to students enrolled in the Bachelor of Economic and Social Sciences.</i>	Semester 2
ECOP1551 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP1552 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2011 Economic Foundation of Modern Capitalism	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP2001	Semester 1
ECOP2101 Political Economy Exchange	8	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2102 Political Economy Exchange	8	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2550 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2551 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2552 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2911 Political Economy Honours II	6	P Credit average in ECOP1001 and ECOP1002 C ECOP2011 or ECOP2012 N ECOP2901 <i>Note: Department permission required for enrolment</i>	Semester 1
ECOP3012 Global Political Economy	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3002	Semester 1
ECOP3014 International Development and Trade	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3004	Semester 2
ECOP3017 Political Economy of Human Rights	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3007	Semester 1
ECOP3018 Economic Policy	6	P ECOP1001 and ECOP1002	Semester 1
ECOP3019 Finance: Volatility and Regulation	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3009	Semester 2
ECOP3101 Political Economy Exchange	8	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3102 Political Economy Exchange	8	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3551 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3552 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3553 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3911 Political Economy Honours III (Part A)	6	P Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) N ECOP3901 <i>Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.</i>	Semester 1
ECOP3912 Political Economy Honours III (Part B)	6	P Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) N ECOP3902 <i>Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.</i>	Semester 2
ECOP4001 Political Economy Honours A	12	P (ECOP2911 or (ECOP2901 and ECOP2902)) and (ECOP3911 or ECOP3901) and (ECOP3912 or ECOP3902) and (ECOP2011 or ECOP2001) and (ECOP2012 or ECOP2002) plus two other senior level ECOP units. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOP4002 Political Economy Honours B	12	P (ECOP2011 or ECOP2001) and (ECOP2012 or ECOP2002) and (ECOP2911 or (ECOP2901 and ECOP2902)) and (ECOP3911 or ECOP3901) and (ECOP3912 or ECOP3902), two other senior ECOP units of study. C ECOP4001	Semester 1 Semester 2
ECOP4003 Political Economy Honours C	12	P (ECOP2911 or (ECOP2901 and ECOP2902)) and (ECOP3911 or (ECOP3901) and ECOP3912 or ECOP3902) and (ECOP2011 or ECOP2001) and (ECOP2012 or ECOP2002) plus two other senior level ECOP units of study. C ECOP4002	Semester 1 Semester 2
ECOP4004 Political Economy Honours D	12	P (ECOP2911 or ECOP2901 and ECOP2902) and (ECOP3911 or ECOP3901) and (ECOP3912 or ECOP3902) and (ECOP2011 or ECOP2001) and (ECOP2012 or ECOP2002) plus two other senior level ECOP units of study C ECOP4003	Semester 1 Semester 2
Psychology			
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
PSYC1002 Psychology 1002	6		Semester 2 Summer Main
PSYC1551 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC1552 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2011 Brain and Behaviour	6	P PSYC (1001 and 1002). N PSYC2111	Semester 1
PSYC2012 Statistics & Research Methods for Psych	6	A Recommended: HSC Mathematics, any level P PSYC (1001 and 1002). N PSYC2112	Semester 1
PSYC2013 Cognitive and Social Psychology	6	P PSYC (1001 and 1002). N PSYC2113	Semester 2
PSYC2014 Personality and Differential Psychology	6	P PSYC (1001 and 1002) N PSYC2114	Semester 2
PSYC2551 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2552 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2553 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2554 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2555 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2556 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC2557 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3010 Advanced Statistics for Psychology	6	P PSYC (2012 or 2112) plus at least one other Intermediate Psychology Unit of Study from PSYC (2011 or 2111), PSYC (2013 or 2113), PSYC (2014 or 2114). N PSYC3201	Semester 2
PSYC3011 Learning and Behaviour	6	A PSYC (2012 or 2112) P PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114). N PSYC3209	Semester 1
PSYC3012 Cognition, Language and Thought	6	A PSYC (2012 or 2112) P PSYC (2013 or 2113) and at least one other Intermediate Psychology unit from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). N PSYC3205	Semester 1
PSYC3013 Perceptual Systems	6	A PSYC2012 P PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114) or ANAT2010 N PSYC3210	Semester 2
PSYC3014 Behavioural and Cognitive Neuroscience	6	A PSYC (2113 or 2013) P (PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114)) OR (ANAT2010 plus PCOL2011) N PSYC3204, PSYC3215	Semester 2
PSYC3015 Intelligence and Human Reasoning	6	A PSYC(2012 or 2112). P PSYC(2014 or 2114) and PSYC(2013 or 2113).	Semester 1
PSYC3016 Developmental Psychology	6	P PSYC (2013 or 2113) and at least one other Intermediate Psychology unit from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). N PSYC3206	Semester 1
PSYC3017 Social Psychology	6	A PSYC (2012 or 2112). P PSYC (2013 or 2113) and at least one other Intermediate Psychology Unit of Study from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). N PSYC3212	Semester 1
PSYC3018 Abnormal Psychology	6	A PSYC2012 P PSYC (2014 or 2114) and at least one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2013 or 2113). N PSYC3203	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PSYC3019 Communication and Counselling	6	A PSYC (2012 or 2112). P PSYC2013 and one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112) and PSYC (2014 or 2114). N PSYC3214	Semester 2
PSYC3551 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3552 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3553 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3554 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3555 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3556 Psychology Exchange	4	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3557 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3558 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3559 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC3560 Psychology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC4011 Psychology Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC4012 Psychology Honours B	12	C PSYC4011	Semester 1 Semester 2
PSYC4013 Psychology Honours C	12	C PSYC4012	Semester 1 Semester 2
PSYC4014 Psychology Honours D	12	C PSYC4013	Semester 1 Semester 2
Psychology for Social Work			
SCWK2004 Psychology for Social Work 201	6	P 48 junior credit points <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 1
SCWK2005 Psychology for Social Work 202	6	P 48 junior credit points. <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 2

6. Economics and Business units of study

Accounting

Junior units of study

ACCT1001

Accounting IA

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Dec **Classes:** Three hours of lectures/tutorials per week **Prohibitions:** ACCT1003, ACCT1004 **Assumed knowledge:** HSC Mathematics **Assessment:** Quiz; Mid-semester examination; Tutorial and research assignments; Practice Set; Final examination
Note: Restricted entry

Introduces accounting and the double entry system of financial recording. Students are introduced to the skills necessary to prepare, interpret and analyse financial statements. Examines assumptions underlying the preparation of financial statements for external users. Development of skills necessary to understand, discuss, analyse and write about accounting-related topics. Designed as an introduction to accounting. No prior knowledge of accounting assumed.

ACCT1002

Accounting IB

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT1001 **Prohibitions:** ACCT1003, ACCT1004 **Assessment:** Homework task and worked examples; Group project; Mid-semester examination; Final examination.
Note: Restricted entry

Accounting is about the recording, classification, reporting and interpretation of information to help make economic decisions. Accounting 1A introduces accounting and the double entry system for financial recording. Accounting 1B develops themes and competencies learnt in Accounting 1A. The primary focus of this unit of study is on conceptual and technical issues relating to management accounting and the information required by internal users to make strategic and operational decisions relating to managing a business. A second theme is the financial accounting information businesses are required to produce to assess a firm's financial state and performance. Students examine how commercial and ethical issues affect business decisions and how there are present and future consequences that will affect different groups of interest

ACCT1003

Financial Accounting Concepts

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours of lectures/tutorials per week **Prohibitions:** ACCT1001, ACCT1002 **Assessment:** Group assignments; Mid-semester examination; Final examination.
Note: Terminating unit.

Provides an introduction to the concepts underlying "external" accounting and is designed for students who are not majoring in accounting. The unit utilises a transaction-effect approach to the preparation of financial statements with basic bookkeeping minimised. Accounting-method choices are analysed for their effect on the financial statements, and, thus, on decision-making.

ACCT1004

Management Accounting Concepts

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours of lectures/tutorials per week **Prohibitions:** ACCT1001, ACCT1002 **Assessment:** Quizzes; Assignment; Presentation; Final examination.
Note: Terminating unit.

This unit is designed to explain how managers use accounting information, with an emphasis on identifying relevant accounting information for decision-making. Topics include: estimating cost

functions, relevant costing, cost allocation, budgeting, short and long term decision making and managing within a changing environment.

ACCT1551

Accounting Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Senior units of study

ACCT2011

Financial Accounting A

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Dec **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT1001 and ACCT1002 and ECMT1010 **Prohibitions:** ACCT2001 **Assessment:** Presentation; Quizzes; Tutorial participation; Research project; Mid-semester examination; Final examination.

This unit examines the accounting and reporting practices of reporting entities, particularly listed public companies. Emphasis is placed on developing an understanding of, and the ability to critically evaluate, the various regulatory requirements (professional and statutory) governing financial reporting. The unit commences with an overview of the financial reporting environment and theories that seek to explain the accounting policy choices of management. This framework provides a basis for examining a range of specific issues in financial accounting. Emphasis throughout the unit is on both the application of specific accounting techniques/rules and the conceptual/theoretical issues associated with alternative accounting methods.

ACCT2012

Management Accounting A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT1001 and ACCT1002 **Prohibitions:** ACCT2002 **Assessment:** Quizzes; case study assignment; tutorial participation; presentation; final examination.

This course provides students with an introduction to the basics of management/cost accounting. Areas specifically covered include: cost terms and purposes, cost behaviour, cost-volume-profit analysis, cost estimation, basic and alternative product costing methods (including activity-based costing), detailed study of the mechanics of the budgeting process (master budgets, flexible budgets, standard costing and variance analysis), decision making using relevant costs/revenues and cost allocation.

ACCT2551

Accounting Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ACCT2552

Accounting Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ACCT3011

Financial Accounting B

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT2011 or ACCT2001 **Prohibitions:** ACCT3001 **Assessment:** Mid-semester examination; group project; final examination.

This unit aims to deepen students' appreciation of the role and impact of accounting, and their ability to critically evaluate current issues in accounting regulation and practice. It also provides students with an

understanding of the issues and a working knowledge of the techniques that relate to certain advanced topics in financial reporting. Topics include accounting for a company's investments in shares including investments in subsidiaries and associates and hedge accounting including a number of related disclosures, both compulsory and voluntary.

ACCT3012

Management Accounting B

Credit points: 6 **Session:** Semester 2, Summer Dec **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT1001 and ACCT1002 and (ACCT2012 or ACCT2002) **Prohibitions:** ACCT3002 **Assessment:** Mid-semester examination; Tutorial work/participation; Presentation; Essay; Final examination.

Note: Discipline Permission required for students who haven't passed ACCT2012 or ACCT2002

Management Accounting B deals with the theory and practice of a selection of contemporary management accounting issues. The course begins by examining the influences that impact upon the design of an organisation and its management accounting system. Behavioural factors, rather than technical factors, are highlighted and a range of organisational settings and management levels are reviewed. The unit then examines advanced issues relevant to operational management accounting. While this section of the course builds on the foundations laid in Management Accounting A, the focus remains on the behavioural implications of accounting techniques for making decisions in organisations.

ACCT3013

Financial Statement Analysis

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** (ACCT2011 or ACCT2001) and (FINC2011 or FINC2001) **Prohibitions:** ACCT3003 **Assessment:** Tutorial participation; Group case studies; Final examination.

Although the appropriate 'form' of financial analysis depends largely on the specific context (e.g. equity investment, credit extension, analysis of supplier/customer health, competitor analysis, regulatory overview or intervention, valuation for takeover/restructuring), many of the techniques of financial analysis are common to each. A primary purpose of this course is to develop an understanding of these techniques, as well as the inherent difficulties in their application. Specific issues addressed include the analysis of business performance and disclosure, the analysis of earnings quality, cash flow assessment, credit worthiness and accounting-based valuation methods.

ACCT3014

Auditing and Assurance

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT3011 or ACCT3001 **Prohibitions:** ACCT3004 **Assessment:** Planning Project; Group assignment; Mid-semester; Final examination.

This unit of study examines the process of auditing and the concepts which underlay the practice. Although the focus of attention is on audits of financial reports undertaken in compliance with the Corporation Act 2001, reference is also made to other forms of audit and assurance. The course is intended to provide an overview of the audit process as it exists in Australia under legally enforceable Auditing Standards. The course is both practical and theoretical, with students required to apply their knowledge to discussing case studies developed from practice as well as selected Australian companies.

ACCT3031

International Corporate Governance

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT2011 or ACCT2001 **Assessment:** Group assignments; Mid-semester quiz; Final examination

This unit seeks to develop students' ability to understand and critically evaluate the principles of corporate governance and how they are applied in Australia and internationally. Topics include, governance structures - an international perspective; governance arrangements

and external and internal stakeholders. Japanese and European systems; governance in Asia; western governance - legal framework; control of the modern corporation; operations of a Board; role of board sub-committees; Boards and the development or endorsement of strategies; measuring and rewarding performance; corporate governance and financial reporting; corporate governance and the audit process.

ACCT3032

Current Issues in Management Accounting

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT2012 or ACCT2002 **Assessment:** Continuous assessment and Final examination.

This unit builds on the fundamentals of management accounting practice (ACCT2012) by introducing a series of advanced management accounting topics such as strategic management accounting, innovation and change in management accounting and designing management accounting systems for new organizational forms. In addition, this unit relaxes the hitherto held assumption that management accounting works in a world characterised by certainty and rationality and instead shows that management accounting more often operates in a world characterised by fuzziness and ambiguity. This real-world view requires students to develop their judgemental skills and to adopt a more critical and reflective approach that challenges their beliefs about how management accounting works in practice.

ACCT3098

Accounting Honours Preparation A

Credit points: 3 **Session:** Semester 1 **Classes:** One 1.5 hour seminar per week **Prerequisites:** ACCT2011 or ACCT2001 **Corequisites:** ACCT3011 **Assessment:** Seminar participation; Paper summaries; Paper presentation; Essay; Research Proposal

Note: Department permission required for enrolment.

Note: Enrolment is by invitation only and will require a distinction average in ACCT units attempted [or be at the discretion of the Chair of Discipline on the recommendation of the Honours Coordinator].

The purpose of this unit of study is to prepare students for entry to the fourth year honours program in accounting. As such, this unit of study has been designed to: first, extend the substantive knowledge of students in relation to financial accounting by examining emerging/advanced issues in relation to theory and practice; second, introduce students to different ways of conducting accounting research, considering extant research mobilising a variety of epistemologies and research methods; and, third, assist students to identify potential topic areas for research and appropriate research questions. The course will be based on a series of readings drawn from the accounting research literature.

ACCT3099

Accounting Honours Preparation B

Credit points: 3 **Session:** Semester 2 **Classes:** One 1.5 hour seminar per week **Prerequisites:** ACCT2012 or ACCT2002 **Corequisites:** ACCT3012 **Assessment:** Class participation; Proposal

Note: Department permission required for enrolment.

Note: Enrolment is by invitation only and will require a distinction average in ACCT units attempted [or be at the discretion of the Chair of Discipline on the recommendation of the Honours Coordinator].

The purpose of this unit of study is to prepare students for entry to the fourth year honours program in accounting. As such, this unit of study has been designed to: first, extend the substantive knowledge of students in relation to management accounting by examining emerging/advanced issues in relation to theory and practice; second, introduce students to different ways of conducting accounting research, considering extant research mobilising a variety of epistemologies and research methods; and, third, assist students to identify potential topic areas for research and appropriate research questions. The course will be based on a series of readings drawn from the accounting research literature.

ACCT3551**Accounting Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ACCT3552****Accounting Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ACCT3553****Accounting Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***ACCT3554****Accounting Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***Honours year units of study****ACCT4101****Accounting Honours A****Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Bachelor of Commerce, major in ACCT with Credit average overall and a distinction average for second and third year units in Accounting **Assessment:** Course work; Thesis*Note: Department permission required for enrolment .**Note: Requirements for the pass degree must be completed before entry to level 4000 honours units of study*

Honours study within the Discipline is directed at: (i) increasing students' analytic and constructive skills beyond the level acquired in undergraduate Pass level units; (ii) providing a foundation for the conduct of applied research in accounting; and (iii) conducting research in the form of a research report. These skills are developed through the completion of an additional (fourth) year of study that may be either a full- or a part-time basis, though the former is more common.

ACCT4102**Accounting Honours B****Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting **Corequisites:** ACCT4101 **Assessment:** Course work; Thesis

See ACCT4101

ACCT4103**Accounting Honours C****Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting **Corequisites:** ACCT4102 **Assessment:** Course work; Thesis

See ACCT4101

ACCT4104**Accounting Honours D****Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting **Corequisites:** ACCT4103 **Assessment:** Course work; Thesis

See ACCT4101

Business Information Systems**Junior units of study****INFS1000****Business Information Systems Foundations****Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three hours per week **Prohibitions:** ISYS1003, INFO1000, INFO1003, INFO1903 **Assessment:** Tutorial work/ participation; Individual project; Group project; Final examination

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 focuses on how businesses operate and shows how business information systems support business operations and management. Students are provided with an introduction to BIS theories, frameworks and models to assist in understanding the nature and contribution of BIS in a range of organisational contexts including private, public and not for profit.

INFS1551**Business Information Systems Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment .***Senior units of study****INFS2001****Business Information Systems****Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week **Prerequisites:** (INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003) and (ACCT1001 or ACCT1004) **Prohibitions:** ACCT2003, INFS2000 **Assessment:** Mid-semester examination; Group project; Final examination

This unit is designed to help you understand the firm's information environment from the perspective of users, evaluators and designers and how business processes impact on the appropriateness of information system design. It will raise your awareness of managers' professional and legal responsibility for the design, operation and control of business information system applications, as it pertains to business events narrowly defined as accounting transactions. You will learn how to integrate both accounting and non-accounting functions to support the information needs of all users in a modern organization and how to mitigate risks associated with a loss of control. You will gain knowledge of approaches and methodologies used in design, including structured design, computer aided software engineering and prototyping.

INFS2010**Managing Information & Knowledge Assets****Credit points:** 6 **Session:** Semester 1 **Classes:** Three hours per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** INFS3015 **Assumed knowledge:** INFS2001 **Assessment:** Individual project; Case study; Final examination

Organisations and individuals are often overwhelmed by the amount and diversity of digital information they need (or are required by law) to manage and maintain. This unit introduces you to the concepts of information, content and knowledge management and the systems that enable the acquisition, storage and distribution of business information, an understanding of which is crucial for your role as a future business manager. Adopting a sociotechnical systems design approach, you will develop your understanding of the theory and practical skills required to effectively design and deliver Web content to different kinds of users in a variety of formats. Specific emphasis is placed on the design of usable, scalable, standards-based Web information resources.

INFS2020**Business Process Integration & Modelling****Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours per week. **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** INFS2005 **Assumed knowledge:** INFS2001 **Assessment:** Individual project; Final examination

This unit provides an overview of business process analysis, design and integration from the management perspective in the context of integrated information systems and inter-enterprise integration models. It equips students with high level skills and knowledge required to carry out analysis and redesign of business processes facilitating

efficient convergence of technology and business. Building on the basic knowledge of business information systems and transactional processing cycles developed from other units, this unit provides students a higher level process modelling, analysis and optimisation skills necessary in process-centred organizations. This unit views the functioning of business from a holistic and integrated perspective rather than from a simple functional perspective.

INFS2030

e-Commerce Business Models

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week
Prerequisites: INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003
Prohibitions: ACCT3006, INFS3020 **Assessment:** Tutorial participation; Mid-semester examination; Individuation project; Final examination

This unit will provide you with a detailed overview of the concepts and processes used in doing business electronically in the new digital economy and e-business era. These concepts and tools will enable you to analyse, evaluate, synthesise and implement e-commerce business models. Importantly, this unit will provide the critical link between technologies and the firm's performance and takes a business management perspective in teaching and learning. The emphasis is on the way technologies enable the business and its effective management, rather than the technologies.

INFS2551

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

INFS2552

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

INFS3030

BIS Assurance and Control

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week
Prerequisites: INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003
Prohibitions: INFS3010 **Assumed knowledge:** INFS2001, INFS2010, INFS2020 **Assessment:** Tutorial participation, Individual project, Group project and Final examination;

This unit will introduce you to concepts, tools and techniques that will assist you in identifying, managing and providing assurance with respect to key risk and critical control areas in the acquisition, implementation and operation of information systems. In examining different stages of the information system lifecycle, you will learn about: relevant legal, professional and technical requirements in different contexts; how the application of appropriate risk management and control frameworks may serve to identify and mitigate potential risk areas; and audit standards and approaches that provide assurance as to the effectiveness of processes and controls. The unit takes a multidisciplinary focus examining ways in which accountants, information system auditors, IT and business managers bridge the gaps between business risks, control needs and technical issues. The theoretical and conceptual material covered in lectures is reinforced through practical demonstrations and case study analysis.

INFS3040

Enterprise Systems

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week
Prerequisites: INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003
Prohibitions: INFS3005 **Assumed knowledge:** INFS2001 and INFS2020
Assessment: Group project; Mid-semester examination; Final examination

This unit will provide you with an overview of enterprise-wide computing and integrated enterprise systems concepts with the help of packaged software solutions. You will become familiar with Enterprise Resource Planning (ERP), be exposed to the functionality of enterprise-wide systems such as SAP R/3 and develop a high level understanding of its underlying business processes and their method of integration. The unit will equip you with a thorough understanding of the process flows in procurement, production management,

customer order management, customer service and financial accounting and controlling through detailed exploration of the SAP R/3 system software. The integrative capabilities of enterprise system software, and its potential benefits and limitations to the businesses are highlighted throughout

INFS3050

Supporting Business Intelligence

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week
Prerequisites: INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003
Assumed knowledge: INFS2010 or equivalent **Assessment:** Mid-semester examination; Tutorial work; Case study

Many organisations are flooded with data and information that come from traditional transaction processing systems as well as external sources. A common challenge is to make sense of this data - to convert this data into intelligence and an understanding of its meaning and message for the organisation. This unit examines the contribution of business intelligence tools and systems to this challenge by considering the establishment of data warehouses, data mining tools and their link with business performance management. A common commercial software platform will be used to demonstrate the role of systems in business intelligence.

INFS3060

Managing BIS Projects

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week
Prerequisites: 12 credit points in INFS units of study **Prohibitions:** INFS3000 **Assessment:** Group Project; Individual Project

This unit is intended to consolidate your Business Information Systems (BIS) knowledge and skills within the context of managing BIS related projects in both public and private sector contexts. The unit is structured around a semester long project designed to allow to demonstrate your ability to apply and synthesise BIS concepts in a real world setting. The unit introduces and builds upon existing project management methodologies - including PMBOK and PRINCE2 - and you will consider information systems from a number of perspectives including their contribution to the strategic objectives of an organisation and the requirements for successful design, implementation and operation.

INFS3080

Business Information Systems Project

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week
Prerequisites: Department permission and at least 48 credit points
Note: Department permission required for enrolment .

Students complete a project in Business Information Systems.

INFS3551

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

INFS3552

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

INFS3553

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

INFS3554

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

INFS3555

Business Information Systems Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

Honours year units of study

INFS4101

Business Information Systems Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems.

Note: Department permission required for enrolment.

Note: Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.

This unit is part of the Honours in Business Information Systems. The unit is intended to ensure that students have a sound grounding in research philosophy as is relevant to Business Information Systems. The unit is designed to develop a foundation for developing your knowledge and skills as researchers throughout the Honours year. While the core will remain constant the focus of this unit may vary given the research requirements and interests of the students taking the unit.

INFS4102

Business Information Systems Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a credit average overall and a distinction average for second and third year units in Business Information Systems. **Corequisites:** INFS4101

This unit will ensure that you have a solid understanding of contemporary issues in BIS. You will analyse critical industry issues and evaluate the theoretical contributions that are available to address these issues. You will have the opportunity to explore your own research interests and issues of concern to theory and practice.

INFS4103

Business Information Systems Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems. **Corequisites:** INFS4102

This unit will ensure that you have a solid grounding in research methods of particular concern to BIS. You will develop skills required for data collection, analysis and presentation as well as for the preparation and presentation of a BIS thesis. The knowledge you will acquire complements the Research Philosophy knowledge and skills acquired in BIS Honours A. You will have the opportunity to explore your own research interests.

INFS4104

Business Information Systems Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a credit average overall and a distinction average for second and third year units in Business Information Systems **Corequisites:** INFS4103

This unit will ensure that you have a solid grounding in the management of BIS at a strategic level. It will help you develop an understanding of strategic BIS planning, implementation and evaluation at organisational and inter-organisational levels. You will explore the potential impact of BIS in industry transformation. The unit provides you with opportunities to explore your own research interests.

Business Law

Junior units of study

CLAW1001

Commercial Transactions A

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Two hours of lectures and one tutorial per week **Assessment:** Exam, Mid-Semester Test, Tutorial Assessment, Case Analysis

This unit of study is concerned with the fundamental elements of business law. It commences with an overview of the Australian legal system (sources of law, parliament, courts, statutory interpretation,

doctrine of precedent), including an examination of those provisions in the Commonwealth Constitution relevant to business and commercial activities. The unit continues with a detailed study of those aspects of the law of contract that underlie all commercial transactions and are the essence of commercial law (formation of contract, terms of a contract, factors affecting the validity and enforcement of contracts, termination, remedies for breach of contract). Some aspects of the law of agency, criminal law and the law of torts (in particular, negligence and negligent misstatement) are introduced. The unit concludes with an examination of some of the key provisions of the Trade Practices Act 1974 (Cth) including those relating to misleading and deceptive conduct and manufacturers' liability.

CLAW1002

Commercial Transactions B

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW1001 **Assessment:** Final exam, tutorial participation, optional mid semester exam, optional tutorial hand in, optional assignment

Commerce today covers a diverse range of items - from securities to patents and all forms of property in between. An understanding of what the forms of property are and how to gain or sell an interest is essential to everything from tax through marketing to e-commerce. This unit provides a detailed overview of the types of property found in standard commercial transactions and the methods for acquiring or divesting an entity with an interest in that property. The unit focuses on all forms of personal property including intellectual property and real property (land). . Students will gain both an understanding of the transactions and the property as well as analytical skills in assessing and working out problems and case studies to do with commercial property.

CLAW1551

Commercial Law Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Senior units of study

CLAW2201

Corporations Law

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** Any 4 full semester first year units of study including CLAW1001 **Prohibitions:** CLAW2001 **Assessment:** Class participation, Take home assignment, Final examination

This unit begins with a brief comparison of business entities, especially partnership. The concept and process of incorporation are examined. Company finance, both equity and debt finance, and the maintenance of the company's share capital will be studied as well as the topics of accounts, auditors, and companies in financial difficulty. The management of companies and directors' duties will be explored as well as the rights and remedies of company shareholders. Company takeovers, prospectus provisions and securities regulation are studied in depth in the elective, CLAW2203 Stock Markets and Derivatives Law.

CLAW2202

Bankruptcy and Insolvency

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW2201 or CLAW2001 **Prohibitions:** CLAW2002 **Assessment:** Test, Assignment, Tutorial Work, Final Exam.

This unit is concerned with the law relating to the bankruptcy of individuals and corporate insolvency. In relation to bankruptcy, it explores the mechanisms by which formal bankruptcy may occur and, the role of the trustee and creditors. It goes on to examine arrangements with creditors outside formal bankruptcy (debt agreements, personal insolvency agreements). In the case of corporate insolvency the areas examined include receivers and other controllers, voluntary administration and deeds of company arrangement, schemes of arrangement and winding up. Other issues discussed include group insolvency and cross border insolvency.

CLAW2203**Stock Markets and Derivatives Law**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW2201 or CLAW2001 **Prohibitions:** CLAW2003 **Assessment:** Assignment; Tutorial work and participation; Final examination

This unit begins with a study of the powers of the Australian Securities and Investment Commission with reference to recent ASIC investigations. The functions of the Australian Stock Exchange and those of securities dealers and investment advisers are examined as well as the relationship between broker and client. The market offences of market manipulation and insider trading are explored. Public funding of companies and prospectus provisions are studied along with the liability of officers and independent experts concerning the prospectus. The topic of mergers and acquisitions examines acquisitions, relevant interests, takeover schemes and announcements, and the liability of parties to a takeover. Derivatives will also be studied.

CLAW2204**Banking and Finance Law**

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW1001 **Prohibitions:** CLAW2004 **Assessment:** Tests; Assignments

Students are introduced to the regulatory structure and its impact on banking practice. The relationship between banker and customer and the duties of the parties are analysed. Issues relating to risk management and abuse of banking and financial transactions are discussed. Payment instruments such as bills of exchange, cheques and letters of credit are also examined. Students will become familiar with the legal structure, relationships and liabilities of parties in syndicated lending and securitisation.

CLAW2205**Trade Practices and Consumer Law**

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW1001 **Prohibitions:** CLAW2005, CLAW3005, MKTG3005 **Assessment:** Test; Assignment; Tutorial work; Final exam

This unit is concerned with the provisions in the Trade Practices Act 1974 (Cwth) dealing with restrictive trade practices, unconscionable conduct and consumer protection. Topics to be studied in depth include: anti-competitive agreements, misuse of market power, exclusive dealing, resale price maintenance, mergers and acquisitions, misleading or deceptive conduct, unfair practices, product safety and product information, conditions and warranties in consumer transactions, liability of manufacturers and importers and unconscionable conduct. Comparable state legislation is also studied.

CLAW2206**Legal Issues for e-Commerce**

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** Any 8 full semester first year units of study **Prohibitions:** CLAW2006 **Assessment:** Literature review, Business report, optional essay, optional assignment, optional online participation

Commerce and business in an electronic environment has arrived and is in constant use. This unit focuses on the transactional and financial aspects of electronic commerce. The unit includes detailed coverage of legal aspects of electronic finance - Internet banking and digital cash and cards, electronic trade; contracts and digital signatures, taxation of electronic commerce and electronic property issues; copyright, patents and trade marks for digital property. The unit assumes no previous legal training or knowledge of the electronic media. The unit also covers basic introductory legal skills such as legal research, writing and citation as well as an introduction to electronic commerce, the history and operation of the Internet and major tools used in electronic commerce.

CLAW2207**Legal Ethics and the Professions**

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW1001 **Prohibitions:** CLAW2007 **Assessment:** Research Paper, Class work, Examination

This unit begins with an analysis of three major ethical philosophies: utilitarianism, duty based ethics and virtue ethics. Practical models based upon these philosophies will be studied here and applied throughout the unit. The significance of ethics to the major professions in the business world is the primary focus of this unit of study. Case studies will be used to examine the consequences for the stakeholders (those affected directly and indirectly) of decisions made by professionals. The professions studied include: accountants, auditors, business information system managers, lawyers, company officers such as directors and other executives, and marketing managers. The unit aims to assist students understand and apply ethics to their future professional life.

CLAW2551**Commercial Law Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

CLAW2552**Commercial Law Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

CLAW2553**Commercial Law Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

CLAW3101**Commercial Law Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

CLAW3102**Commercial Law Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

CLAW3201**Australian Taxation System**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** CLAW2201 or CLAW2001 **Prohibitions:** CLAW3001 **Assessment:** Tutorial assessment; Mid semester test, ; Case Analysis; Final exam

This unit is an introduction to taxation law. It commences with an overview of the Australian tax system, discusses contemporary tax issues and then deals with specific topics, viz. basis of liability to Australian income tax, concepts of residence and source of income, meaning of income, tax accounting, statutory concepts of income, taxation of fringe benefits, basis of liability to capital gains tax and allowable deductions. It concludes with a study of the general antiavoidance sections.

CLAW3202**Tax Strategies in a Business Environment**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** (CLAW2201 or CLAW2001) and (CLAW3201 or CLAW3001) **Prohibitions:** CLAW3002 **Assessment:** Tutorial questions, group essay and presentation, and final examination

This unit deals with taxation issues in a business environment. In addition to income tax, the Goods and Services Tax is studied. The following topics are included: trading stock, capital allowances, taxation of partnerships and trusts including the application of capital gains tax to interests in these entities, carry forward of losses, taxation of companies, dividend imputation tax, capital gains tax application to shares and other interests in companies, intellectual property,

collection of income tax instalments, amendment of assessments, objections and appeals, taxation of non-residents, withholding tax, foreign tax credits, international tax treaties, profit shifting and tax avoidance. The unit emphasises business tax planning issues.

CLAW3203

Research and Reasoning for Business Law

Credit points: 6 **Session:** Semester 2 **Classes:** One three hour seminar per week **Prerequisites:** 48 Credit points including CLAW1001 **Assessment:** Essay / article (40 per cent); Reflective diary (20 per cent); Assignments, participation etc to be determined by consensus among the students during the first seminar (40 per cent).

The unit will introduce students to some of the fundamentals of legal reasoning and thought, to the basic sources and processes of legal research, and to some basic forms of legal writing. The full range of legal research skills is introduced, including both hard-copy research skills and computer-assisted legal research skills in primary and secondary materials. Students will use a full range of legal databases and other sources. The legal reasoning skills taught include rule-based reasoning, analogical reasoning, factual analysis, synthesizing and distinguishing, critical analysis and the use of policy. Students will be able to apply this knowledge to case studies by organising an argument and communicating that argument in writing (applied) and to critically evaluate legal rules and theories in light of legal norms and wider theories (theoretical). The unit is open to academically successful students. It is particularly suitable for those contemplating honours. It will assist students wishing to increase their legal research, writing and analytical skills.

Honours year units of study

CLAW4101

Commercial Law Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** By seminar as arranged **Prerequisites:** By Application- Contact honours coordinator **Assessment:** May include seminar participation; seminar paper; case analysis; research paper; take home examination

Note: Department permission required for enrolment.

Note: Requirements for the Pass degree must be completed before entry to level 4000 honours units of study

Honours study is directed at: (i) increasing students' analytic/constructive skills beyond the level acquired in undergraduate pass level units; (ii) providing a foundation for the conduct of applied research in law; and (iii) conducting research in the form of a research report. These skills are developed through the completion of an additional (fourth) year of study that maybe either a full- or a part-time basis, though the former is more common.

CLAW4102

Commercial Law Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLAW4101 **Assessment:** see CLAW4101

This unit of study is part of the Honours program in Commercial Law. The unit covers commercial law issues. The unit is intended to ensure students have a sound grounding in general commercial law areas including the legal system, contract and consumer law, trade practices and competition law and employment and industrial law. The unit will vary depending on the needs and interests of the students taking the unit. While the core will remain the same the focus will vary given the research interests of the students taking the unit. Throughout the unit, legal research skills are integrated into the program. Student will learn to research both primary and secondary materials during the contract law topic. Basic reading and writing skills are emphasised throughout the course. Legal research and study skills will be covered early in the unit.

CLAW4103

Commercial Law Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLAW4102 **Assessment:** see CLAW4101

This unit of study examines the various types of business entities such as partnership, company and joint venture. Several issues are current in company law: the concept of a separate legal entity for the company; directors' duties; ethical issues; independence of auditors; the role and power of the regulator, ASIC; and the disclosure regime. The topic of corporate collapse will be examined in relation to directors' duties and creditors rights. The unit is research based and students will be given research assignments relevant to these topics.

CLAW4104

Commercial Law Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLAW4103 **Assessment:** see CLAW4101

This unit of study is part of the Honours program in Commercial Law. The unit covers a wide range of issues dealing with tax policy. The unit is intended to ensure students develop the ability to read widely in the discipline, critically analyse the material read and apply that knowledge in formulating their own conclusions to the questions posed. The unit will vary depending on the needs and interests of the students taking the unit. While the core will remain the same the focus will vary given the research interests of the students taking the unit. Students will be encouraged and supported to attend relevant seminars given by visiting tax scholars and to keep abreast of current policy initiatives. Throughout the unit, legal research skills are integrated into the program. Student will learn to research both primary and secondary materials during the course. Basic reading and writing skills are emphasised throughout the course. Legal research and study skills will be covered early in the unit.

Econometrics and Business Statistics

Junior units of study

ECMT1010

Business and Economic Statistics A

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 3 hours per week **Prohibitions:** ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021 **Assessment:** Mid-semester examination; Exams; Assignment

This unit provides an introduction to basic statistics and its applications in economics and business disciplines. Topics include: methods for data management; analysis and interpretation of data; probability; the normal distribution; an introduction to sampling theory and hypothesis testing; and the concepts of regression analysis. A key component is the provision of instruction and experience in the use of computers and statistical software as an aid in the analysis of data. Students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

ECMT1020

Business and Economic Statistics B

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week **Corequisites:** ECMT1010 **Prohibitions:** ECMT1021, ECMT1022, ECMT1023 **Assessment:** Two quizzes; Tutorial questions; Mid-semester examination; Assignment; Final exam

Note: Other than in exceptional circumstances, it is strongly recommended that students do not undertake Business and Economic Statistics B before attempting Business and Economic Statistics A.

This unit broadens the knowledge gained in the unit, ECMT1010 Business and Economic Statistics A by introducing further tools (and their applications) for use in economics, finance, marketing and accounting. This unit features practical applications. Possible topics include: further aspects of hypothesis testing including goodness-of-fit models; regression analysis including a brief introduction to logit models, time series and its applications to economics and finance; input-output analysis; index numbers and mathematics of finance. The material is further complemented by mathematical topics including matrices and partial differentiation. In addition, students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

ECMT1551**Econometrics Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.**Senior units of study***ECMT2110****Regression Modelling****Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week**Prerequisites:** ECMT1010 **Prohibitions:** ECMT2010 **Assessment:**

Workbooks; Project; Mid-semester exam; Final exam

Students undertaking this unit have some background in basic statistics including an introduction to regression analysis. Using this knowledge as a base, an extensive discussion of basic regression theory and some of its extensions is provided. The unit covers how linear regression models can be applied to data to estimate relationships, to forecast, and to test hypotheses that arise in economics and business. Guidelines for using econometric techniques effectively are discussed and students are introduced to the process of model building. It is essential that the discussion of regression modelling be complemented with practice in analysing data. An important task is the computing component using econometric software.

ECMT2120**Analysis of Discrete Choice Data****Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week.**Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT2021**Assessment:** Mid-semester exam, Final exam, Assignment

Data that are qualitative or discrete present particular problems for data analysts. What influences an individual to work part-time rather than full-time, or use public transport rather than drive to work, or to choose one brand of detergent over another? Why do certain firms choose a particular accounting procedure over another? In these examples of modelling choice data, standard linear regression models are inappropriate. This unit considers the specification, estimation and use of statistical models that are necessary to analyse such questions. These may include the logit, probit and multinomial logit models. Special emphasis is placed on illustrating the appropriate application of such models using case studies and data drawn from marketing, accounting, finance and economics.

ECMT2130**Financial Econometrics****Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week**Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT2030**Assessment:** Two assignments; Final exam

Over the last decade econometric modelling of financial data has become an important part of the operations of merchant banks and major trading houses and a vibrant area of employment for econometricians. This unit provides an introduction to some of the widely used econometric models for financial data and the procedures used to estimate them. Special emphasis is placed upon empirical work and applied analysis of real market data. Topics covered may include the statistical characteristics of financial data, the specification, estimation and testing of asset pricing models, the analysis of high frequency financial data, and the modelling of volatility in financial returns.

ECMT2620**Management Science****Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week**Prerequisites:** ECMT1010 and ECMT1020 **Prohibitions:** ECMT2720**Assessment:** Two assignments; Test; Final exam

Management science is an approach to decision making that is suitable in areas where the manager has little experience or where the problem for decision is complex. It provides an effective decision-making approach to problems important enough to justify the time and effort of quantitative analysis. This unit considers modelling in areas that

practising managers might encounter in their roles as decision makers. The intended outcome of the unit is to increase the effectiveness of management decision making. The focus throughout is on practical solutions using readily available spreadsheet software. Topics may include resource allocation, capacity planning, logistics, and project planning.

ECMT2630**Managerial Decision Making****Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week**Prerequisites:** ECMT1010 **Prohibitions:** ECMT2730 **Assessment:**

Assignment; Class Tests; Final Exam

The course is focused on economic and statistical models of decision analysis and their application in large and small business settings, as well as in a public policy framework. It will be shown how use of the models 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. Cases will be drawn from small business scenarios, the public policy arena, and corporate settings.

ECMT2901**Econometrics Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***ECMT2902****Econometrics Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***ECMT2903****Econometrics Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***ECMT3110****Econometric Models and Methods****Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week**Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT3010**Assessment:** Class test; Assignment; Final exam

This unit extends methods of estimation and testing developed in association with regression analysis to cover econometric models involving special aspects of behaviour and of data. In particular, motivating examples are drawn from dynamic models, panel data and simultaneous equation models. In order to provide the statistical tools to be able to compare alternative methods of estimation and testing, both small sample and asymptotic properties are developed and discussed.

ECMT3120**Applied Econometrics****Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week**Prerequisites:** ECMT3110 or ECMT3010 **Prohibitions:** ECMT3020**Assessment:** Group assignment; GroupProject; Mid-term test; Final exam

Econometric theory provides techniques to quantify the strength and form of relationships between variables. Applied Econometrics is concerned with the appropriate use of these techniques in practical applications in economics and business. General principles for undertaking applied work are discussed and necessary research skills developed. In particular, the links between econometric models and the underlying substantive knowledge or theory for the application are stressed. Topics will include error correction models, unit roots and cointegration and models for cross section data, including limited dependent variables. Research papers involving empirical research

are studied and the unit features all students participating in a group project involving econometric modelling.

ECMT3130

Forecasting for Economics and Business

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week
Prerequisites: ECMT2110 or ECMT2010 **Prohibitions:** ECMT3030
Assessment: Assignments; One test; Final exam

The need to forecast or predict future values of economic time series arises frequently in many branches of applied economic and commercial work. It is, moreover, a topic which lends itself naturally to econometric and statistical treatment. The specific feature which distinguishes time series from other data is that the order in which the sample is recorded is of relevance. As a result of this, a substantial body of statistical methodology has developed. This unit provides an introduction to methods of time series analysis and forecasting. The material covered is primarily time domain methods designed for a single series and includes the building of linear time series models, the theory and practice of univariate forecasting and the use of regression methods for forecasting. Throughout the unit a balance between theory and practical application is maintained.

ECMT3150

The Econometrics of Financial Markets

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week
Prerequisites: ECMT2130 or ECMT2030 **Prohibitions:** ECMT3050
Assessment: Mid-semester examination; Final Exam; Assignment

This unit develops the econometric models and methods employed for the analysis of data arising from the financial markets. It extends and complements the material covered in ECMT2130. The unit will cover econometric models that have proven useful for the analysis of both time series and cross-sectional financial data over the last two decades. Modern statistical methodology will be introduced for the estimation of such models. The econometric models and associated methods of estimation will be applied to the analysis of a number of financial datasets. Students will be encouraged to undertake hands on analysis using an appropriate computing package. Topics covered include continuous time diffusions for financial returns, discrete time financial time series, modelling conditional volatility, multivariate financial econometric models, the econometrics of financial derivatives, modelling of high frequency financial data and contemporary asset pricing. The focus of the unit will be in the econometric models and methods that have been developed recently in the area of financial econometrics.

ECMT3160

Statistical Modelling

Credit points: 6 **Session:** Semester 2 **Classes:** Three hours per week
Prerequisites: ECMT2110 or ECMT2010 **Prohibitions:** ECMT3620, ECMT3720, ECMT3210 **Assessment:** Assignments; Tests; Final exam

This unit provides an accessible foundation in the principles of probability and mathematical statistics that underlie the statistical techniques employed in the fields of econometrics and management science. These principles are applied to various modelling situations and decision making problems in business and economics.

ECMT3610

Management Science Models and Methods

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week
Prerequisites: ECMT2620 or ECMT2720 **Prohibitions:** ECMT3710
Assessment: Four assignments; Two tests; Final exam

This unit presents formulation guidelines for management science models to provide practical assistance to managerial decision making. Optimisation methods are developed so the complexity and limitations of optimisation model categories can be accounted for in model selection and in the interpretation of results. Linear programming methods are developed and extended to cover variations in the management context to logistics, networks, and strategic planning. Decision analysis and competitive structures including hierarchy structures complete a rounded program for managerial application.

The unit covers a variety of case studies incorporating commercial research processes for decision support.

ECMT3901

Econometrics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECMT3902

Econometrics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECMT3903

Econometrics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Honours year units of study

ECMT4101

Econometrics Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week
Prerequisites: Students who want to take honours in Econometrics have to: (i) qualify for a major in Econometrics, Management Decision Sciences or Management Science; (ii) obtain a credit average in six semester courses taken in the Discipline of Econometrics and Business Statistics at the 2-3000 level; and (iii) obtain a minimum of a credit in ECMT3110. Variations on entry requirements are possible only with permission of the Chair of Discipline. Please see the discipline online homepage for entry requirements in detail. Note that Econometrics and Business Statistics encourages joint honours with other disciplines. **Assessment:** Dissertation

Note: Department permission required for enrolment.

Note: Requirements for the pass degree must be completed before entry to level 4000 honours units of study

The honours year provides basic professional expertise in the general area of econometrics through instruction in advanced theory, and experience in independent research. Honours students are required to (a) complete four semester units of instruction, (b) submit a dissertation not exceeding 65 A4 pages of typescript, and (c) attend and participate in Discipline research seminars. The dissertation topic must be approved by the Discipline and progress reports are to be presented every semester. Candidates must enrol in ECMT4101, ECMT4102, ECMT4103 and ECMT4104 to complete the Honours degree. Please consult the discipline website for details before enrolling in honours.

ECMT4102

Econometrics Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week
Corequisites: ECMT4101 **Assessment:** See ECMT4101

See ECMT4101

ECMT4103

Econometrics Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week
Corequisites: ECMT4102 **Assessment:** See ECMT4101

See ECMT4101

ECMT4104

Econometrics Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week
Corequisites: ECMT4103 **Assessment:** See ECMT4101

See ECMT4101

ECMT4601

Management Science Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week
Prerequisites: Students who want to take honours in Management Decision Sciences have to: (i) qualify for a major in Econometrics, Management Decision Sciences or Management Science; (ii) obtain a credit average in six semester courses taken in the Discipline of Econometrics and Business Statistics at the 2-3000 level; and (iii) obtain a minimum of a credit in ECMT3610.

Variations on entry requirements are possible only with permission of the Chair of Discipline. Please see the discipline online homepage for entry requirements in detail. Please Note that Econometrics and Business Statistics encourages joint honours with other disciplines. **Assessment:** Dissertation

Note: Department permission required for enrolment .

Note: Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.

The honours year provides basic professional expertise in the general area of Management Decision Sciences, through instruction in advanced theory and experience in independent research. Honours students are required to (a) complete four semester units of instruction, (b) submit a dissertation not exceeding 65 A4 pages of typescript, and (c) attend and participate in Discipline research seminars. The dissertation topic must be approved by the Discipline and progress reports are to be presented every semester. Students should consult the discipline website before enrolling in honours in Management Decision Sciences.

ECMT4602

Management Science Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** ECMT4601 **Assessment:** See ECMT4601

See ECMT4601

ECMT4603

Management Science Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week **Corequisites:** ECMT4602 **Assessment:** See ECMT4601

See ECMT4601

ECMT4604

Management Science Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week **Corequisites:** ECMT4603 **Assessment:** See ECMT4601

See ECMT4601

Economics

Junior units of study

ECON1001

Introductory Microeconomics

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Two lectures and one tutorial per week **Assumed knowledge:** Mathematics **Assessment:** Online tests, mid semester exam, final exam

Introductory Microeconomics addresses the economic decisions of individual firms and households and how these interact in markets. It is a compulsory core unit for the Bachelor of Economics and Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science. Economic issues are pervasive in contemporary Australian society. Introductory Microeconomics introduces students to the language and analytical framework adopted in Economics for the examination of social phenomena and public policy issues. Whatever one's career intentions, coming to grips with economic ideas is essential for understanding society, business and government. Students are given a comprehensive introduction to these ideas and are prepared for the advanced study of microeconomics in subsequent years.

ECON1002

Introductory Macroeconomics

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Two lectures and one tutorial per week **Assumed knowledge:** Mathematics **Assessment:** 2 in-class tests, Tutorial Assessment, Final Exam

Introductory Macroeconomics addresses the analysis of the level of employment and economic activity in the economy as a whole. It is a compulsory core unit for the Bachelor of Economics (BEC) and for the Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science. Introductory Macroeconomics examines the main factors that determine the overall levels of

production and employment in the economy, including the influence of government policy and international trade. This analysis enables an exploration of money, interest rates and financial markets, and a deeper examination of inflation, unemployment and economic policy.

Senior units of study

ECOS2001

Intermediate Microeconomics

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Two lectures and one tutorial per week **Prerequisites:** ECON1001 **Corequisites:** ECMT1010 **Prohibitions:** ECON2001, ECOS2901, ECON2901 **Assessment:** Tutorials, 2 in-class tests, project, Final Exam

Note: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.

The aim of Intermediate Microeconomics is the development of theoretical and applied skills in economics. It covers applications and extensions of the theory of consumer choice, firm behaviour and market structure. Emphasis is given to the economics of information and choice under uncertainty; industry structures other than monopoly and perfect competition; markets for factors of production; general equilibrium and economic efficiency; market failure and the role of government. This unit provides a basis for the more specialised options that comprise third year economics.

ECOS2002

Intermediate Macroeconomics

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Two lectures and one tutorial per week **Prerequisites:** ECON1002 **Corequisites:** ECMT1010 **Prohibitions:** ECON2002, ECOS2902, ECON2902 **Assessment:** 1 Mid Semester exam, Final exam, Tutorial Paper and Performance

Note: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.

This unit of study develops models of the goods, money and labour markets, examines issues in macroeconomic policy. Macroeconomic relationships, covering consumption, investment, money and employment, are explored in detail. Macro-dynamic relationships, especially those linking inflation and unemployment, are also considered. Exchange rates and open economy macroeconomics are also addressed. In the last part of the unit, topics include the determinants and theories of economic growth, productivity and technology, the dynamics of the business cycle, counter-cyclical policy and the relationship between micro and macro policy in the context of recent Australian experience.

ECOS2201

Economics of Competition and Strategy

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** ECON1001 **Prohibitions:** ECON2201, ECOS3005 **Assessment:** 2 mid-semester exams, Final Exam

This course introduces new and comprehensive methods for the analysis and formation of business strategy. The unit analyses strategies for developing competitive advantages, including product differentiation, cost advantages and product life cycles; implementing incentives, control, firm boundaries, and internal firm decision-making mechanisms; implementing pricing, auction and signalling practices; assessing industry attractiveness and the regulatory/trade practices environment; and managing industry cooperation and conflict. Students are taught a set of tools that they can bring to bear on new problems. Understanding competitive dynamics and strategic thinking are emphasised. Case studies and problem-solving form an important part of the teaching method.

ECOS2306

Managerial Firms: Evolution & Attributes

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one tutorial per week **Prerequisites:** ECON1001 **Prohibitions:** ECHS2306, ECOS3003, ECON3003 **Assessment:** 1 mid semester exam, assignment & presentation, final exam

The large managerial firm, operating in a number of product and geographic markets and controlled by managers rather than owners,

plays a major role in modern economies. Although it is now being challenged by new institutions such as LBOs and strategic alliances, the large managerial firm is itself a recent phenomenon which only began to emerge in the 1880s. This unit of study analyses the development of the large managerial firm since the 1880s, distinguishing between firms in standardised mass production industries and those in industries where technology has changed rapidly since the 1970s. It also distinguishes between managerial firms that emerged in the West with those in Japan. In analysing the attributes of managerial firms in different regimes, the unit focuses on two main issues: the nature of corporate competencies, and the role of imperfect information within managerial firms and markets, alliances, and networks. The unit includes detailed analysis of case studies drawn from the USA, Australia, and Japan.

ECOS2551

Economics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ECOS2552

Economics Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ECOS2901

Intermediate Microeconomics Honours

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Prerequisites:** ECON1001 and ECON1002 with a Credit average or better in the two units of study combined **Corequisites:** ECOS2903 and ECMT1010 **Prohibitions:** ECON2901, ECOS2001, ECON2001 **Assessment:** 2 mid semester exams, Final Exam

Note: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.

This unit is comprised of lectures based upon the curriculum for ECOS2001 Intermediate Microeconomics, supported by a seminar for one hour a week. The content of lectures reflect a more analytical and critical treatment of the topics than ECOS2001. The topics, which build on the theory of consumer and firm behaviour and market structure, include game theory, oligopoly, general equilibrium and welfare, externalities and public goods and the economics of information.

ECOS2902

Intermediate Macroeconomics Honours

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one tutorial per week **Prerequisites:** ECOS2901 **Corequisites:** ECMT1010 **Prohibitions:** ECON2902, ECOS2002, ECON2002 **Assessment:** 3 online quizzes, 7 problem sets, mid semester exam, Final Exam

Note: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.

This unit is comprised of lectures based upon the curriculum for ECOS2002 Intermediate Macroeconomics, supported by a seminar for one hour a week. The content of lectures reflects a more intensive treatment of the topics than ECOS2002. Topics covered include: models of the goods, money and labour markets; macro-economic relationships such as consumption, investment, demand for money and labour demand and supply; macro-dynamic relationships, especially those linking inflation and unemployment; exchange rates and open economy macroeconomics; theories of economic growth; productivity and technological change; the dynamics of the business cycle; and the relationship between micro- and macro-economic policy.

ECOS2903

Mathematical Economics A

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Corequisites:** ECOS2901 **Prohibitions:** ECON2903 **Assessment:** Problem sets/quizzes, 1 mid semester exam, Final Exam

Note: Classes start in Week 3

This unit provides an introduction to mathematical techniques commonly employed by economists. Topics include: limits, continuity,

differentiation of single- and multi-variable functions, unconstrained and constrained optimisation.

ECOS3001

Capital and Growth

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) **Prohibitions:** ECON3001 **Assessment:** 2 mid semester exams, Final Exam

This unit is an introduction to economic growth including its causes and consequences. The role of capital, technological progress, and other determining factors of the development of economies are studied from the point of view of alternative economic theories. The potential effects of growth and structural change on welfare, income distribution, and employment are looked at in the same contexts with some consideration of the empirical evidence. The role of alternative economic policies and economic institutions in promoting growth is also discussed.

ECOS3002

Development Economics

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2002 or ECON2002) or (ECOS2901 or ECON2901) or (ECOS2902 or ECON2902) **Prohibitions:** ECON3002 **Assessment:** 2 in-class tests, Final Exam

This unit examines the role of the state, rationale for planning and market mechanisms in developing economies, and also the sociocultural preconditions and economic requirements for a market economy. It focuses on a wide range of developmental problems and issues from both microeconomic and macroeconomic points of view. It closely studies the integration process of the traditional segment of a developing society into its modern counterpart in countries selected from Asia, Africa, Latin America, the Caribbean, and the Pacific regions.

ECOS3003

Hierarchies, Incentives & Firm Structure

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3003 **Assessment:** 2 mid-semester exams, Final Exam

This unit deals with the coordination and motivation problems faced by firms. More specifically this unit examines: whether firms use price or command mechanisms to allocate resources within firms; the problems associated with designing incentive contracts; the principles of efficient contract design and; the real world applications of those principles. The final section deals with the manner in which the coordination and motivation problems faced by firms determines their financial, vertical and horizontal structure.

ECOS3004

History of Economic Thought

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Prerequisites:** one of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2011 or ECOP2001) or (ECOP2012 or ECOP2002) **Prohibitions:** ECON3004 **Assessment:** Essay, 1 mid semester exam, final exam

Where do the current beliefs - theories, doctrines, postulates and attitudes - of modern economics come from? If current theories and doctrines have a definite historical beginning, what schools of thought did they supplant? Are there alternative or dissident views which subsisted alongside mainstream economics in the twentieth century - and if so, what are they and where did they originate from? This unit seeks to answer these questions, as well as others. It provides an overview of the development of economic ideas from the seventeenth to the twentieth century, combined with a more intensive focus on the thought of certain key figures in that history. The particular topics covered include: the formation of economics to 1776; Adam Smith; classical economics from Smith to J.S. Mill; the rise of marginalist economics; John Maynard Keynes; and orthodox and heterodox currents in twentieth century economics.

ECOS3005**Industrial Organisation**

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Two lectures per week **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3005, ECOS2201 **Assessment:** 1 Mid semester exam, final exam, problem sets

his unit of study examines the nature of inter-firm rivalry in industries with market power. It explores 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 unit also analyses the international competitiveness of industries in the context of industry assistance and the prevalence of foreign multinationals. Competition policy is also discussed.

ECOS3006**International Trade**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3006 **Assessment:** 1 Mid semester exam, final exam

This unit of study provides a systematic analysis of the theory of international trade and trade policy. Initially differences between countries are emphasised as the source of trade and the gains from trade. Models that are examined include the Classical-Ricardian model, the Heckscher-Ohlin model and the Specific-Factors model. Next economics of scale and imperfect competition are introduced as sources of trade and gains from trade. The unit concludes with an examination of empirical studies aimed at testing trade theories. The analysis of trade policy begins with a discussion of the instruments of trade policy, in particular, tariffs and quotas and their effect on welfare. This discussion is then extended to the case of imperfect competition and strategic trade policy.

ECOS3007**International Macroeconomics**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** One of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) **Prohibitions:** ECON3007 **Assessment:** Assignments; 1 Mid-semester exam; Final exam.

This unit studies macroeconomic theory and policy in a global trading world. The microfoundations of the various sectors are examined in the context of an open economy. The evolution of international money and capital markets is described, the operation of the foreign exchange market is examined, showing how its microstructure affects its macro performance. Theories and tests of the efficiency of international capital markets are surveyed, as well as core theories and tests of exchange rate and asset price determination. The unit develops the macroeconomic implications of monetary and fiscal policies for small and large open economies for different regimes.

ECOS3008**Labour Economics**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) **Prohibitions:** ECON3008 **Assessment:** 1 Essay, final exam

This unit aims to provide an understanding of labour markets and related issues such as work conditions, pay and employment levels. Labour supply and demand, theories of wage determination, labour mobility and discrimination are examined. It also analyses the role of trade unions and labour market contracts. These topics are applied to current issues in Australian labour markets such as enterprise bargaining, the role of centralised wage fixing systems, training and other labour market programs. Policies designed to improve the functioning of the labour market are examined and particular attention is given to the problem of persistent unemployment.

ECOS3010**Monetary Economics**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** one of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901)

or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) **Prohibitions:** ECON3010 **Assessment:** 1 Multiple choice exam, written paper, final exam

This unit provides an overview of the main elements of monetary economics, with emphasis upon macroeconomic issues - analysis of economic processes in which money enters the picture in an essential manner. The content primarily concerns economic principles and theory, but there is also considerable focus on the Australian monetary system and monetary policy in particular. The particular topics covered include: functions of money; the concept of 'liquidity'; money demand; determinants of money supply changes; financial crises and the 'lender of last resort' function of central banking; the Reserve Bank of Australia and the Australian Prudential Regulation Authority; term and risk structures of interest rates; alternative theories of the level of the rate of interest; the monetary policy transmission mechanism; monetary policy instrument choice; central bank credibility; policy reaction functions; the global monetary system; and Reserve Bank market operations.

ECOS3011**Public Finance**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3011 **Assessment:** 1 mid semester exam, 1 essay, final exam

Public Finance is about the taxing and spending decisions of governments. The unit covers a wide range of public finance topics. After an introduction to welfare economics and the role of government in the economy, the unit focuses on the revenue side of the budget: tax incidence, efficient and equitable taxation, the Australian system of revenue raising, issues of tax reform and the theory and practice of public utility pricing. It then focuses on the expenditure side of the government budget: public goods, externalities, and programs aimed at redistribution. It also introduces techniques of policy evaluation.

ECOS3012**Strategic Behaviour**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3012 **Assessment:** 1 mid semester exam, online quizzes, final exam

To think and act strategically, one needs to evaluate the effect of one's actions on the actions of others. As most economic decisions are strategic, such as the decision to lower a price or introduce a new tax, economics, if it is to avoid simplistic models, requires a theoretical framework capable of illuminating strategic behaviour. This unit offers a comprehensive, critical introduction to the theory which purports, not only to satisfy this theoretical need, but also potentially to unify the social sciences: game theory. After examining important concepts of game theory, the unit investigates the repercussions for the theory of bargaining and for the evolution of social institutions.

ECOS3015**Law and Economics**

Credit points: 6 **Session:** Semester 2 **Classes:** Three lectures per week **Prerequisites:** Either (ECOS2001 or ECON2001) OR (ECOS2901 or ECON2901) **Prohibitions:** ECON3015 **Assessment:** 1 mid semester, final exam

Law and economics examines the economic role of law and legal institutions on the actions of economic agents. The economic analysis of law is founded on models of human behaviour and examines how decision making is affected by different legal regimes. The behavioral approach gives rise to a set of principles that can be applied widely across disparate areas of the law, and is becoming increasingly important world-wide, as such analysis is often utilized in courts and public policy forums. The unit begins with a revision of relevant tools of economic analysis. Subsequently, it studies the economics of various branches of law such as: property; contract; nuisance; accident and liability law; and, criminal law.

ECOS3020**Special Topic in Economics**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week
Prerequisites: (ECOS2901 or ECON2901) and (ECOS2902 or ECON2902) and (ECMT2110 or ECMT2010) **Prohibitions:** ECON3103 **Assessment:** Assignments, 1 mid term exam, final exam

Note: Department permission required for enrolment .

Study of a special topic in 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 of Semester 1

ECOS3551**Economics Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002

Note: Department permission required for enrolment .

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

ECOS3552**Economics Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002

Note: Department permission required for enrolment .

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

ECOS3553**Economics Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002

Note: Department permission required for enrolment .

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

ECOS3554**Economics Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002

Note: Department permission required for enrolment .

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

ECOS3901**Advanced Microeconomics**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week
Prerequisites: (ECOS2901 or ECON2901) and (ECOS2902 or ECON2902) and (ECOS2903 or ECON2903) with a Credit average or better over the three units combined. **Corequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECON3901 **Assessment:** 1 Mid semester exam, final exam

Note: NOTE: Students intending to proceed to fourth year economics honours must also complete at least one unit of study from (ECOS3001 or ECON3001) to (ECOS3015 or ECON3015) inclusive

Topics in Microeconomic Analysis (Assessment Weight 2/3): advanced developments in microeconomics. Policy Seminars (Assessment Weight 1/3): approximately 6 two hour seminars on Australian and/or international economic policy issues.

ECOS3902**Advanced Macroeconomics**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week
Prerequisites: (ECOS3901 or ECON3901) and (ECMT2110 or ECMT2010) **Corequisites:** ECOS3020 **Prohibitions:** ECON3902 **Assessment:** 1 Mid term exam, final exam

Note: NOTE: Students intending to proceed to fourth year economics honours must also complete at least one unit of study from (ECOS3001 or ECON3001) to (ECOS3015 or ECON3015) inclusive

Topics in Macroeconomic Analysis (Assessment Weight 2/3): advanced developments in macroeconomics. Policy Seminars (Assessment Weight 1/3): approximately 6 two hour seminars on Australian and/or international economic policy issues.

Honours year units of study**ECON4101****Economics Honours A**

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six lectures per week **Prerequisites:** The prerequisite for entry to Economics Honours is at least 24 credit points at 3000 level Economics, including Advanced Microeconomics: (ECOS3901 or ECON3901) and Advanced Macroeconomics (ECOS3902 or ECON3902) with a Credit average or better in ECOS3901 and 3902; and Regression Modelling (ECMT2110 or ECMT2010) and Special Topic in Economics (ECOS3020).

Note: Department permission required for enrolment .

Note: Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.

To complete the requirement for Economics (Honours), students need to complete six semester-length options from a list of options offered and complete a thesis. The list of options available may vary from year to year, but usually include advanced macroeconomics, advanced microeconomics, development economics, economic classics, industrial economics, international economics, labour economics, and public economics. Candidates must enrol in ECON4102, ECON4103 and ECON4104 to complete the honours year.

ECON4102**Economics Honours B**

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six lectures per week **Corequisites:** ECON4101

see ECON4101

ECON4103**Economics Honours C**

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six lectures per week **Corequisites:** ECON4102

see ECON4101

ECON4104**Economics Honours D**

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** Six lectures per week **Corequisites:** ECON4103

see ECON4101

Finance**Senior units of study****FINC2011****Corporate Finance I**

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** ECON1001 and ECON1002 and ECMT1010 and (ACCT1001 or ACCT1003) **Prohibitions:** FINC2001 **Assessment:** One 3hr exam, Assignments, Mid-semester test

Note: Study in Finance commences in second year.

This unit provides an introduction to basic concepts in corporate finance and their application to (1) valuation of risky assets including stocks, bonds and entire corporations, (2) pricing of equity securities, and (3) corporate financial policy decisions including dividend, capital structure and risk management policies. An emphasis is placed on the application of ideas and current practices in each of these areas.

FINC2012**Corporate Finance II**

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Two hours of lectures, one workshop and one tutorial per week **Prerequisites:**

FINC2011 or FINC2001 **Prohibitions:** FINC2002 **Assessment:** One 3hr exam, Assignments, Mid- semester test

This unit builds on FINC2011 Corporate Finance I, by extending basic concepts in corporate financing, investing and risk management. The first half of the unit is devoted to current theories of corporate financing and their practical application in corporate investment and capital budgeting. The second half of the unit examines securities and securities markets with an emphasis on pricing, investment characteristics and, importantly, their use by corporations to manage risk. The securities examined include: bonds and related fixed income products; futures; options; and securities denominated in foreign currencies. The goal of the unit is to broaden students' knowledge of corporate finance in preparation for further study in finance in third year.

FINC2013

Introductory Mathematical Finance

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week; Additional workshops as required. **Prerequisites:** FINC2011 or FINC2001 **Prohibitions:** FINC2004 **Assumed knowledge:** It is recommended that students reach the level of HSC 3 Unit mathematics prior to undertaking the unit. It is also recommended but not required that students either undertake the Maths/Stats major or avail themselves of units offered in mathematics and statistics. Other recommended units providing a useful background include ECOS 2001, ECOS 2901 and ECOS 2903. **Assessment:** One 3hr exam, Assignments, Mid-semester test.

The principle objective of this unit is to introduce students to the basic elements of mathematical 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 mathematical and statistical foundations. The unit provides necessary mathematical background. Topics that are introduced from a more mathematical perspective include: principles of modern financial valuation and analysis; asset pricing theory and market efficiency; theory of portfolio selection and management; and measurement and management of financial risk.

FINC2192

Finance 2 Honours

Credit points: 3 **Session:** Semester 2 **Classes:** Weekly seminar **Prerequisites:** Credit or higher grade in FINC2011 or FINC2001; competitive and by application **Prohibitions:** FINC2092 **Assessment:** Assessment of advanced topics covered

Note: Department permission required for enrolment .

This unit develops the conceptual and theoretical foundations of modern finance theory. Students are asked to understand and critique existing theories and to see their connections with other disciplines and with financial industry developments.

FINC2551

Finance Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

FINC2552

Finance Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

FINC3011

International Financial Management

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3001 **Assessment:** Two 2 hr exams; Project; Assignments

Markets are increasingly globalised. There are very few businesses or industries that are not required to deal with issues such as foreign currency, foreign competition and direct investment. This unit is designed to allow students to extend their understanding of basic principles in finance to an international environment. Globalisation of markets introduces risks but also opens up profitable opportunities. Topics covered include: foreign currency valuation and markets;

international parity conditions; measuring and managing foreign exposure; international portfolio management; capital budgeting and foreign direct investment; international tax management and international financing strategy.

FINC3012

Derivative Securities

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3002 **Assumed knowledge:** Calculus, regression, probability theory, random distributions **Assessment:** One Report/sem; Exams; Assignment

Options, futures and swaps are derivatives of underlying securities such as commodities, equities and bonds. These types of securities are increasingly used to manage risk exposure and as a relatively low-cost-way of taking a position in a security or portfolio. They are also being used as part of senior management compensation as a way of attempting to align the interests of shareholders with that of management. This unit is designed to provide an introduction to this important area of finance without requiring a high level of mathematical sophistication. However, a strong quantitative base is an advantage.

FINC3013

Mergers and Acquisitions

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week; Additional workshops as required. **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3003 **Assessment:** Final exam, Tutorial work, Project

This unit will provide: an understanding of the economic and strategic drivers of corporate restructuring activity and their use in the design and analysis of restructuring transactions. Understanding of the evaluation of outcomes from restructuring transactions, both the theory based explanations and the empirical tests of the theories. It will develop the ability to identify synergies in a restructuring transaction and use Discounted Cash Flow methods to assign a value to these benefits. A detailed understanding of the design and economic impacts of deal structures used to effect corporate restructuring transactions. A detailed awareness of the process of merger arbitrage and its contribution to outcome of restructuring transactions. An appreciation of the regulatory environment for restructuring transactions and the impact of these regulations on the process and outcomes of restructuring transactions.

FINC3014

Trading and Dealing in Security Markets

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3004 **Assessment:** Mid-semester exam; Final exam; Tutorial work; Project

This unit is concerned with the processes which turn orders into trades in securities markets, and the forces which mould and affect both order flow and order execution. The unit is an introduction to some fundamental market design and structure ideas. At the end of the unit, students should be able to understand (1) how the international markets for foreign exchange, swaps, bonds and equities are organised, (2) how trading is conducted in these markets and how these transactions are cleared, (3) how the markets are regulated, if they are supervised and what risks different counterparties face in these markets. The unit aims to equip students to independently analyse international investment and financing alternatives and to estimate expected returns and costs taking into account liquidity risk, price volatility and credit risk.

FINC3015

Financial Valuation: Case Study Approach

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures per week; One workshop session (not every week) **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or

(FINC2014 or FINC2004) **Prohibitions:** FINC3005 **Assessment:** Case study, Workshop work, Exam, Small project

This unit applies all aspects of finance theory to the general problem of valuing companies and other financial assets. This requires a synthesis of the concepts of present value, cost of capital, security valuation, asset pricing models, optimal capital structures 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.

FINC3017

Investments and Portfolio Management

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3007

This unit is designed to provide a comprehensive analytical approach to the modern theory of investments. Topics covered include: the valuation of bonds and stocks; mean-variance analysis; Markowitz type portfolio analysis; duration and convexity analysis; term structure of interest rates; option pricing; portfolio insurance; performance evaluation; and forecasting. Basic statistics and probability concepts are reviewed at the beginning to ensure that all students have adequate understanding. Although analytical aspects of investments theory are stressed, there is also an equal amount of emphasis on the intuitive as well as practical aspects of the subject.

FINC3018

Bank Financial Management

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) and (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) and (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) **Prohibitions:** FINC3008

The central objective of this unit is to expose students to the basic principles of commercial bank management. The topics that are covered include: the theory and practice of banking from a financial management perspective; banks and the financial services industry; regulatory restrictions and financial management; performance analysis and strategic planning; asset management and liquidity; investment and loan management; liability and deposit management; capital structure and dividend decisions; and financial management implications of electronic banking, international banking, and other developments.

FINC3193

Finance 3 Honours (Corporate Finance)

Credit points: 3 **Session:** Semester 1 **Classes:** A weekly workshop/seminar **Prerequisites:** Credit or higher grade in (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) and (FINC2192 or FINC2092) or with the permission of the Discipline of Finance. **Prohibitions:** FINC3093 **Assessment:** Seminar presentation; Project; Exam

This unit deals with more advanced aspects of information transfers between interested parties and modelling of corporate issues such as productivity, remuneration and value.

FINC3194

Finance 3 Honours (Securities Markets)

Credit points: 3 **Session:** Semester 2 **Classes:** A weekly workshop/seminar **Prerequisites:** Credit or higher grade in (FINC2011 or FINC2001) and (FINC2012 or FINC2002) or (FINC2014 or FINC2004) and (FINC2192 or FINC2092) or with the permission of the Discipline of Finance. **Prohibitions:** FINC3094 **Assessment:** Presentation; Assignment; Exam

The unit considers who trades, why they trade and how trading takes place. It examines how technology and regulatory changes affect trading behaviour. The unit introduces students to market microstructure research. By studying and critiquing the academic literature, students become familiar with the research questions which have examined and research methods used. This allows students to

develop the necessary skills to design and undertake their own research projects in the honours year.

FINC3551

Finance Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

FINC3552

Finance Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

FINC3553

Finance Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

FINC3554

Finance Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Honours year units of study

FINC4101

Finance Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** (FINC2192 or FINC2092) and (FINC3193 or FINC3093) and (FINC3194 or FINC3094) with the grade of Credit or better in at least two, or with the permission of the Head of Discipline.

Note: Department permission required for enrolment.

Note: Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.

The honours program in Finance is directed at producing extremely high quality graduates who are capable of undertaking research in finance, either via an advanced research degree at the Master's or PhD level or in the financial community in technical/research-related positions requiring both a high level of analytical skills and an ability to work independently. Graduates are highly sought by investment banking, stockbroking, funds management and management consulting firms. Actual offerings in any year depend on staff availability. With approval, the equivalent of a semester unit can be taken from other disciplines or faculties. Students are required to write a research report in the style of an academic article but with a more extensive literature review. Candidates are encouraged to undertake research of an original nature and of publishable quality. Typically the subject areas relate to securities market micro-structure, investments and corporate finance, as these are the areas in which the Discipline has expertise and supervisory skills. Students who have completed majors in both Finance and Accounting, Finance and Econometrics, Finance and Economics or Finance and Marketing, and who are eligible to undertake fourth year honours programs in at least one discipline area of their two majors, may be eligible to undertake joint honours programs, subject to the approval of the Honours Coordinator in both disciplines. Candidates must enrol in FINC4102, FINC4103 and FINC4104 to complete the honours year.

FINC4102

Finance Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4101

See FINC4101

FINC4103

Finance Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4102

See FINC4101

FINC4104

Finance Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4103

See FINC4101

Government and International Relations

Junior units of study

GOVT1101

Australian Politics

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Assessment:** Essay; Exam; Participation; Paper

This unit introduces students to debates about the nature and limits of Australian democracy, to the major institutions of Australian politics, and to the distribution of power in Australian society. Major institutions and forces such as parliament, executive government, the federal system, political parties and the media are examined as arenas of power, conflict and consensus. Who rules? How? Which groups are excluded?

GOVT1104

Power in Society

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one tutorial per week **Assessment:** Critical Reading Exercises; Participation; Case Study; Exam

This unit provides an introduction to the study of politics through a focus on the key organising principle of political science: power. Different ways in which power is theorised and structured are considered, not with the intention of presenting a universal theory or theories, but rather to find some connections and extensions amongst a wide variety of experiences of political power. In particular this unit considers the way power operates in Australian society in relation to political decision making. The unit draws on case studies in order to combine the study of key political ideas and concepts with practical examples from our daily lives (e.g. diet, transport, drugs, clothing, etc.).

GOVT1105

Geopolitics

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one tutorial per week **Assessment:** Critical reading and bibliographic assignments; essay; exam; tutorial participation

This unit will examine how the contemporary international political order has emerged by focusing upon the interplay of diplomatic and strategic issues in the post-war world. It will begin with an analysis of the Cold War and its origins, tracing the development of Soviet-American rivalry, its manifestations in Europe, Asia, Africa and Latin America, and the different ways in which that rivalry was played out. The collapse of the Soviet Union as both a superpower and a state and the disappearance of the communist bloc will be analysed, before surveying the post-Cold War international scene. Among the issues reviewed in the post-Cold War era will be the question of US hegemony and unilateralism vs. multilateralism, nuclear proliferation, the continuing tension between the first and the third worlds, questions of civilisational conflict, non-state actors and terrorism, democratisation, and regional conflict.

GOVT1202

World Politics

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Assessment:** Assignment; Essay; Exam; Participation

This unit introduces the core content of the field of international relations. The first part of the unit presents the realist, liberal, Marxist and constructivist paradigms of international relations. The second part of the unit discusses the key actors and processes political scientists define in the field, including the state, decision makers, bureaucratic organisations, and classes. The final part of the unit focuses on international security, international political economy, and global problems.

GOVT1609

Ethnicity, Nationalism and Citizenship

Credit points: 6 **Session:** S1 Intensive, Summer Main **Classes:** The unit includes 26 hours of lectures and twelve hours of tutorials for each student. **Assessment:** Essay; exam; and participation.

Note: Department permission required for enrolment in the following sessions: S1 Intensive.

This introductory unit considers political identities against the backdrop of rapid political transformation. Lectures will examine the relationships between ethnicity, nationalism and citizenship in the contemporary world. The discussions are based on the seminal works of writers such as Anderson, Brubaker, Gellner, Kohn and Smith. The students will be asked to consider how ethnicity and nationalism affect, in a world of split loyalties and volatile relationships, statehood and citizenship; how the former relate to class, race, nation, state and civilization; and why the end of the cold war-interpreted as a triumph of liberalism-experience a resurgence of ethno-nationalism rather than civic-nationalism. Having debated these issues, the students will consider whether trends in globalization (migration, revolution in communication, diaspora, etc.) make matters better or worse.

GOVT1881

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT1882

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Senior units of study

GOVT2111

Human Rights and Australian Politics

Credit points: 6 **Session:** S1 Intensive, Summer Main **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2101 **Assessment:** Essay; group project; exam; and participation.

Note: Department permission required for enrolment in the following sessions: S1 Intensive.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit introduces students to the notion of human rights, outlines international human rights enforcement mechanisms and the application of human rights standards in Australia. Throughout the course we consider the evolution of human rights in Australia and raise questions about the adequacy of Australia's existing human rights machinery. We examine the reasons behind recent UN criticism of Australian government policies toward the indigenous Australians, women and refugees and assess responses to this criticism. We also consider current legislative changes to combat terrorism and consider the implications of these changes on Australian's civil rights.

GOVT2116

Australian Foreign and Defence Policy

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2106 **Assessment:** Essay; tutorial presentation; group image; exam.

This unit examines Australia's external relations through its foreign and defence policies since federation. It will begin with an overview of the theoretical tools for studying foreign policy and the institutions of Australia's external relations, followed by an historical overview of 'Continuity and Change' in Australia's foreign and defence policies over the past millennium. Key regional and international relationships will be analysed, as will Australia's response to contemporary global issues such as human rights; the War on Terror; the environment; and nuclear affairs. The unit will conclude with a discussion on identity and Australia's place in the world today.

GOVT2119**Southeast Asia: Dilemmas of Development**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** ECHS2303, GOVT2109 **Assessment:** Essay; tutorial presentation and participation; mid-semester exam; end-of-semester exam.

Until the 1997 East Asian economic/financial crisis, Southeast Asia was acclaimed as one of the most dynamic and rapidly growing regional economies in the Asia-Pacific sphere. Not surprisingly, the region has attracted enormous interest from social scientists and the wider business community in Australia. However, there is limited consensus about the causes for the region's economic performance and socio-political trajectory during the 'boom' and 'post-boom' years. This course aims to place the region's economic experiences and socio-political changes within a broader historical and comparative context. Such an approach allows us to better appreciate the economic continuities, understand the major socio-political dilemmas and changing patterns of development.

GOVT2210**International Risk Analysis**

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT3210 **Assessment:** Essay; tutorial presentation; exam

This unit is an introduction to the theory and application of international risk analysis, with special emphasis on the emerging-market economies of the Asia-Pacific region: India, Thailand, Vietnam, China, South Korea, the Philippines, Malaysia, and Indonesia. It will provide students with a comprehensive grounding in the background and development of risk analysis for international enterprise and public sector agencies, and survey some of the most significant tools, concepts, and problems encountered by risk professionals. Students will then use these tools to undertake a simulation exercises in either country or project risk analysis and consultancy.

GOVT2221**Politics of International Economic Rels**

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2201 **Assessment:** Exam; essay; tutorial presentation; tutorial participation.

This unit will provide an overview of four major theoretical approaches to international political economy and how these apply to understanding the practice of international economic relations throughout the developing world. These theories are: economic nationalism, liberalism, neo-Marxism and poststructuralism. The unit analyses the theory and practice of economic relations by and between states, by applying each of the four main theories to developing country regions. In this way the student becomes acquainted with the theory and practice of economic development.

GOVT2225**International Security in 21st Century**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2205 **Assessment:** Exam, Participation and Essay

This unit introduces the theoretical foundations, essential concepts and central issues in the field of international security. It provides students with analytical tools to understand and participate in current debates concerning security and threats. The first part of the unit provides an introduction to the theoretical interpretations of international security. The second part, discusses security phenomena, problems and strategies, including the coercive use of force, deterrence, guerrilla and counterinsurgency, nuclear stability, proliferation of weapons of mass destruction, crisis management, arms races and disarmament, security cooperation and security regimes. The discussion in this part includes a critical review of the dilemmas, strategies, and solutions in each of the issue areas.

GOVT2226**International Organisations**

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2206 **Assessment:** Policy paper; exam; participation.

International Organisations is a survey of both the range of institutions created in response to various economic, security and environmental challenges faced by states and other actors in the global system, and some of the most prominent theories aimed at explaining them. The course will be arranged around a series of case studies of particular issue areas, from international peacekeeping, to the regulation of multinational corporations, and the struggle to slow global warming. More broadly the course will questions whether international organisations are instruments of or rivals to sovereign states, and whether they reflect the hegemony of the West, solutions to international collective problems, or agents of new transnational communities.

GOVT2228**Environmental Politics**

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2208 **Assessment:** Essay; final exam; participation; critical reading notebook

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit analyses the political nature of global and local environmental problems and the connection between these and international and domestic environmental politics and policy arrangements. It focuses on the effects of epistemic communities, ecological modernisation, international regimes, sovereignty, sustainable development, the role of non government organisations, environmental policymaking frameworks, participatory environmental governance and stakeholder intervention capacity. Global and Australian environmental case studies will be discussed and related to theoretical perspectives.

GOVT2440**Globalisation and National Governance**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2410 **Assessment:** Research paper; mid-semester test; participation; exam

It is often argued that we are entering a new era in which the existence of nation-states and the power of national governments to manage economic and social change are rapidly being eroded by globalisation. This unit will appraise the debates about the impact of globalisation and state power erosion. It will pay particular attention to the interplay between domestic institutions and international pressures. There will be scope for comparing national responses to the changing global economic system.

GOVT2445**American Politics and Foreign Policy**

Credit points: 6 **Session:** Semester 2 **Classes:** One two-hour lecture and one tutorial per week **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2405 **Assessment:** Tutorial papers; essay; exam.

This unit will be a comprehensive overview of the American political system and the formulation of foreign policy. It will cover the major Federal political institutions: the Presidency, the Congress, and the Supreme Court. The unit will consider how foreign policy is made through the interaction of these institutions and with other elements of civil society. Finally, it will examine the outcome of this process - U.S. foreign policy itself - with special emphasis on the post-Cold War period. We will seek to answer two key questions: (a) 'who rules' in America and (b) what grand strategy, if any, has replaced the Cold War containment of the Soviet Union?

GOVT2552**Policy Analysis**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2502 **Assessment:** Reading summaries; case study; participation; test.
Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit examines the nature of public policy and the processes which shape its content. Most of these processes apply across nation states, although they typically manifest themselves in nation-specific ways. First, the unit outlines the nature of public policy - dealing with such matters as definitions of policy and approaches to analysing public policy. These include the traditional 'policy cycle' approach, as well as alternative models based on rational choice, the roles of groups and networks, the nature of institutions and the power of socio-economic interests. Second, it examines the main building blocks of the policy process: actors, institutions, and policy instruments. Third, it examines key stages of the public policy process: notably problem definition, agenda setting, policy formation, decision making, implementation and evaluation. Examples are drawn from Australia and a range of countries throughout the world. Fourth, it examines policy-making in extreme, 'crisis' situations. Fifth, it turns its attention to Australian policy processes, focusing specifically on the areas of economic policy and indigenous affairs. Finally, it takes an overview of public policy processes in a global world, focusing on national policy-making autonomy in the context of globalisation, as well as challenges for the future. The unit is sufficiently flexible in terms of assessment, allowing students to concentrate on areas of interest.

GOVT2557**Public Sector Management**

Credit points: 6 **Session:** Semester 2 **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2507 **Assessment:** Reading summaries; case study; participation; test.

The organisation and structure of the public sector in Australia and other democracies has been transformed in recent years. This unit traces the outlines of this transformation and the debates that have accompanied it. Where should privatisation stop? How much of government can be "outsourced" or contracted out? Is permanent employment in the public service a relic of the past? Are there special ethical and public accountability requirements of public management that make it essentially different from the private sector? Topics include public sector human resource and financial management practices; relations between public organisations and the public; corporate governance practices in the public sector; commercialisation, corporatisation and privatisation; and parliamentary oversight and administrative law and their implications for the management process.

GOVT2558**Government, Business and Society**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** 4 junior units of study **Assessment:** Exam; essay; case study; tutorial participation.

Modern businesses have new roles and responsibilities within the global economy and society. Understanding the relationships between government, business and society is essential for students undertaking a contemporary business education. This unit will provide students with conceptual and practical tools that they can use to examine the role of business in society, to explore the ways in which public policy shapes and constrains business decision-making and to understand the social and ethical responsibilities of business. The unit will introduce students to the political, social, regulatory, environmental and technological challenges facing businesses and the impact of the demographic diversity of organisations. The unit will draw upon Australian and international case study material.

GOVT2665**Ethics and Politics**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2605 **Assessment:** Essay; exam; project; participation

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Making ethical choices is in the core of political life. This unit is designed to analyse and understand how ethics belongs in politics, how we can evaluate and justify political choices, and to gain an understanding of the main ethical issues on a range of political questions. The unit is structured around formal ethical theory and analysis, which can be later used in different settings, from personal to professional ethical dilemmas. Learning takes place by doing - thinking and talking, presenting and evaluating. In order to learn you need to take part and be open to a challenge. The topics examined during the course include: justice, environmental ethics, human and animal rights, immigration, freedom of expression, whistle-blowing, and international aid.

GOVT2801**Applied International Studies**

Credit points: 6 **Session:** Semester 2 **Classes:** Three hour seminar per week **Prerequisites:** Four core junior BlntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003) **Assessment:** Short papers; simulation participation; policy brief; media release

Note: This unit is only available to students enrolled in the Bachelor of International Studies

This senior core unit is designed to build on the junior core units of the Bachelor of International Studies and to develop a deeper level of knowledge of international politics and economics, and to apply this knowledge to real-life problems in diverse policy environments. The unit introduces students to the relationship between international law and international politics and economics, and the fields of international law that are directly relevant to the unit's simulation topics. Students will apply theory to practice by taking part in simulations on key global 'Issues of the Day'. These will focus on the environment, human rights and humanitarian intervention, terrorism and international security, trade and development. Participation in the simulations will require students to engage in economic and political policy making; analysis of input and output issues such as state and organisational strategies; negotiations; and managing diverse international teams. Skills developed will include decision making under conditions of uncertainty; information literacy; communication and decision making in small and large groups; and the writing of press releases and briefing documents.

GOVT2802**International Studies Practicum**

Credit points: 6 **Session:** Semester 2 **Classes:** This unit is taught on-line **Prerequisites:** Four core junior BlntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003) **Assessment:** Research project; critical reflection report

Note: This unit is only available to students enrolled in the Bachelor of International Studies. Students with a Credit average or above are able to apply for a travel scholarship (up to the value of \$10000) from the faculty of Economics and Business.

This senior core unit in the Bachelor of International Studies is designed to provide students with the opportunity to combine theoretical learning with hands-on experience in international studies. Students enrol in the unit in the second semester of their third year, while either studying abroad or engaged as an intern in a government or non-government organisation in Sydney, working on an internationally focussed project. The unit is taught fully on-line, accessed via the Faculty's Blackboard site. The aim of the content and assessment is to develop research and critical reflection skills, culminating in a major research paper.

GOVT2881**Government Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT2882

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT2883

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT2884

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT2991

Government 2 Honours

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Prerequisites:** Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator. **Prohibitions:** GOVT2091 **Assessment:** Library research assignment; research design assignment; exam; Participation.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit assists students enrolled in the honours program to develop the conceptual and practical skills they need to excel in any area of substantial political inquiry. An overview of political inquiry is presented through an examination of the diversity in theoretical and methodological approaches used by those who carry out political research. This includes looking at, for example, institutional, behavioural, discourse and feminist approaches in political inquiry, and the usage of quantitative and qualitative methods. The assessment is based around constructing research projects that can be utilised to answer current political questions.

GOVT3558

Internship in Public Policy and Affairs

Credit points: 18 **Session:** Semester 1, Semester 2 **Classes:** Internship **Prerequisites:** Consultation with Discipline's Internship Coordinator **Prohibitions:** GOVT3508 **Assessment:** Learning contract; project plan; workplace experience; project report; reflective report.

Note: Department permission required for enrolment.

Note: Applications in writing and enrolments limited by number of available placements. This unit is available in Semester 1 for Boston University and University of Sydney Student Exchange Agreement students only. All other students can only be admitted to study this unit for Semester 2.

This unit in applied politics provides senior students with an opportunity to complete a research project whilst undergoing a professional placement with a government or non-government organisation, for example Parliament of NSW, Premier's Department, Research Institute for Asia and the Pacific, Community Aid Abroad. The unit includes preparatory coursework in policy-making processes and reflective, professional practice, followed by a placement with an organisational partner on a full-time basis (four days per week for ten weeks) and the completion of a research project on behalf of the partner. Supervision by the organisational partner will take place. Successful completion of the unit of study is dependent on the fulfilment of a contract that will be jointly negotiated between the internship director, supervisory partner and the student. This unit is equivalent to three senior units, i.e. 18 credit points.

GOVT3993

Government 3 Honours Part A

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one tutorial per week **Prerequisites:** Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Chair of Discipline. **Prohibitions:** GOVT3991 **Assessment:** Essays; learning journal; participation.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Power is the essential concept of political science, which is the systematic study of politics. Bertrand Russell, perhaps the greatest mind of the 20th Century, said power is the central concept of all the social sciences. Students explore this concept in different parts of political science and survey some debates on power, assessing the advantages and disadvantages of concepts of power. There are three themes in this unit. The first is the distribution of power in society. The second is power in comparative politics and the third is power in international relations. The emphasis is on the nature, sources and use of power.

GOVT3994

Government 3 Honours Part B

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one tutorial per week **Prerequisites:** Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Chair of Discipline **Prohibitions:** GOVT3992 **Assessment:** Thesis prospectus; literature review; participation.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

This unit assists students to build towards a better fourth year honours dissertation. It considers the construction of a dissertation topic, planning the research, bibliographic searches, and writing the dissertation. The unit devotes a considerable amount of time to exercises designed to help students envisage their honours dissertation and plan fruitful lines of inquiry.

Honours year units of study

GOVT4101

Government Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law **Corequisites:** Must enrol in GOVT4101, 4102, 4103, and 4104

Note: Department permission required for enrolment.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT4101, GOVT4102, GOVT4103 and GOVT4104 to complete the Honours degree.

GOVT4102

Government Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law **Corequisites:** Must enrol in GOVT4101 and 4102 and 4103 and 4104

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT4101, GOVT4102, GOVT4103 and GOVT4104 to complete the Honours degree.

GOVT4103

Government Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law **Corequisites:** Must enrol in GOVT4101, 4102, 4103, and 4104

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates

must enrol in GOVT4101, GOVT4102, GOVT4103 and GOVT4104 to complete the Honours degree.

GOVT4104

Government Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law **Corequisites:** Must enrol in GOVT4101, 4102, 4103, and 4104

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT4101, GOVT4102, GOVT4103 and GOVT4104 to complete the Honours degree.

International Business

Senior units of study

IBUS2101

International Business Strategy

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Two lectures and one 1 hour workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business **Prohibitions:** IBUS2001 **Assessment:** Participation; Individual assignment; Final exam

The aim of this unit of study is to understand how international firms win and lose in global competition. Major topics include building corporate capabilities and competencies for competitive advantage; optimal strategies for international business competition; dealing with different market structures and government policies; choosing between equity and non-equity alliances, licensing and joint ventures; understanding the differences in economic, political and legal environments; challenges of operating in emerging economies; managing across borders, including selecting effective types of MNEs and subsidiaries; managerial decision-making and internal MNE organisational design; and management of global networks.

IBUS2102

Cross-Cultural Management

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Two lectures and one 1 hour workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business **Prohibitions:** IBUS2002 **Assessment:** Participation; Individual assignment; Final exam

Critical to effective management in international and multi-cultural business environments is an understanding of cultural differences and how to manage such differences. 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. Strategies for managing and relatively harnessing cultural differences are also evaluated. Major topics include the significance of culture in international management; the meaning and dimensions of culture; comparative international management styles; managing communication across cultures; ethics and social responsibility in global management; cross-cultural negotiation and decision-making; managing global teams; culture and international leadership; and developing the international and global manager.

IBUS2551

International Business Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

IBUS2552

International Business Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

IBUS3101

International Business Alliances

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one 1 hr workshop per week **Corequisites:** IBUS2101 **Assessment:** Participation; Individual assignment; Final exam

The formation and implementation of successful global business strategies involves alliances with a range of stakeholders including international customers and suppliers, overseas agents, international franchisors and franchisees, international joint venture partners, and international merger relationships. The aim of this unit of study is to provide conceptual frameworks and evidence from practice that will develop an understanding of the motivations underlying international alliances, the alternative approaches to alliance formulation and development, and the problems involved in promoting effective alliance management. Major topics include the motivations for international business alliances, analysis of the advantages and disadvantages of different types of alliances, factors influencing the choice of alliance arrangements, alliance structure issues, partners selection and relationship management, the reasons why alliances succeed or fail, and the management of alliance processes.

IBUS3102

International Risk Management

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one 1 hr workshop per week **Prerequisites:** 36 credit points in junior units of study **Assessment:** Participation; Individual assignment; Final exam

This unit is designed to introduce students to the nature of risk management, particularly the identification of risk, its analysis and consequences for international business actors. Emphasis is placed on surveying some of the environments that can potentially generate risk, how these risks can impact various aspects of market composition and market participation, the integrity of business actors and their profitability and viability. The business environments surveyed include the international financial system, government and regulation of business activity, compliance risk, corporate social responsibility and activism, as well as issues associated with country and political risk.

IBUS3103

Global Entrepreneurship and Enterprise

Credit points: 6 **Session:** Semester 1 **Classes:** One and a half lectures and one tutorial/lab class per week. **Prerequisites:** 48 senior credit points **Assessment:** Group presentation; Individual assignment; Final exam

Developing entrepreneurial and innovative businesses is very different to managing large established businesses especially in a global context. In addition to exploring the special problems (and advantages) associated with entrepreneurial small and medium enterprises (SMEs), the course will bring together the skills you have acquired across many disciplines. In this unit, you will develop a funding proposal for a real technology, invention or design and pitch that to a panel of potential investors. Topics include international entrepreneurship theory, opportunity recognition and selection, developing an innovative business strategy, and sourcing appropriate finance (whether angel, venture capital, debt or corporate investment). Central to this course is the integration of theory and practice through workshop sessions, group work, and talks from industry professionals.

IBUS3104

Ethical Issues in International Business

Credit points: 6 **Session:** Semester 2 **Classes:** One hour lecture and two hour workshop twice per week for 6 weeks. **Prerequisites:** 42 credit points **Corequisites:** IBUS2101 **Assessment:** Group presentation; Individual assignment; Final exam

To be able to succeed in international business, both corporations and individuals need broad decision-making abilities. Business decision-making tools yield more coherent and justifiable results when used with an understanding of the ethical, social and environmental aspects of the process. This applies to various situations in the international business setting including business relations with government, customers, employees, and NGOs. Using a case study approach, this unit is designed to look at these non-financial elements

in the decisions made within the international business context. Following the completion of this unit, students will have enhanced skills and knowledge relevant to the development and management of international business organisations.

IBUS3551

International Business Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

IBUS3552

International Business Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

IBUS3553

International Business Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

IBUS3554

International Business Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Honours year units of study

IBUS4101

Special Topics in International Business

Credit points: 12 **Session:** Semester 1 **Classes:** Three hour seminars per week. **Prerequisites:** Completion of requirements for the pass degree, a major in International Business with a minimum Credit average and approval of the Chair of Discipline. **Corequisites:** IBUS4102 **Assessment:** Student participation in in-class discussion; short essay assignments.

Note: Department permission required for enrolment .

IBUS 4101 studies the recent theoretical and applied literature in international business and management strategy. Topics are organised around four key research themes: (i) the boundaries of the multinational enterprise; (ii) internal organizational design and structure; (iii) location decisions; (iv) and competitive dynamics. Specific topics include the critique of theoretical models in international business, including new institutional economics, internalization, transaction cost, resource, path dependency, contracting and dynamic capability-learning approaches; the relationship between the new trade theory, increasing return models and theories of the MNE, including location tournament and clustering; the organizational design of non-equity and equity strategic alliances, including the nature of headquarters-subsidiary relations; investment incentives and country impact of foreign direct investment; and competitive and strategic interaction of multinational enterprises. Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

IBUS4102

International Business Research Methods

Credit points: 12 **Session:** Semester 1 **Classes:** Three hour seminars per week. **Prerequisites:** Completion of requirements for the pass degree, a major in International Business with a minimum Credit average, and approval of the Chair of Discipline. **Corequisites:** IBUS4101 **Assessment:** Assessment of research proposal.

Honours study in International Business is directed at the development of the analytical and conceptual skills required to conduct independent research in the field. The focus of this unit is on understanding research methodologies, the design of a research project and preparation of a research proposal. In addition students undertake Special Topics in International Business (IBUS 4101) and the Seminar in International Business (IBUS4103). Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

IBUS4103

International Business Seminar

Credit points: 12 **Session:** Semester 2 **Classes:** Three hour seminars per week. **Prerequisites:** Completion of requirements for the Pass degree, a major in International Business with a minimum Credit average, and approval of the Chair of Discipline. **Corequisites:** IBUS4104 **Assessment:** Student participation in in-class discussion; short-essay assignments.

IBUS 4103 is a seminar required of students undertaking their Honours year in International Business. The seminar builds on the work in IBUS 4101 and considers selected issues of current importance in the field, including work related to the research of members of the discipline and recently published cases. In addition topics may be adjusted to reflect student interests and needs. Because of the focus on current issues, the research of members of the discipline, and the interests of current students, topics covered will vary from year to year. We would normally expect to deal with current issues in the following areas: (i) The link between firm structure and international strategy; (ii) Analysis of changes in the international operating environment; (iii) Current studies of entry modes and alliances; (iv) Issues in international risk management; (v) Issues in cross cultural management; (vi) Ethical issues in international management. In addition to in-class discussion, the seminar will require a series of short papers analysing works of particular interest to individual students. Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

IBUS4104

International Business Thesis

Credit points: 12 **Session:** Semester 2 **Classes:** Three hour seminars per week. **Prerequisites:** Completion of requirements for the Pass degree, a major in International Business with a minimum Credit average, and approval of the Chair of Discipline. **Corequisites:** IBUS4103 **Assessment:** Assessment of the thesis.

Honours study in International Business is directed at the development of the analytical and conceptual skills required to conduct independent research in the field. The primary focus of this unit is the conduct of research and the writing of a thesis of some 15 to 20,000 words. In addition students undertake Special Topics in International Business (IBUS 4101) and the Seminar in International Business (IBUS4103). Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

Marketing

Junior units of study

MKTG1001

Marketing Principles

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One lecture and one tutorial per week **Prohibitions:** MKTG2001 **Assessment:** Marketing plan; Group presentation; Tutorial assignment ; Two exams

This unit examines the relationships among marketing organisations and final consumers in terms of production-distribution channels or value chains. It focuses on consumer responses to various marketing decisions (product mixes, price levels, distribution channels, promotions, etc.) made by private and public organisations to create, develop, defend, and sometimes eliminate, product markets. Emphasis is placed on identifying new ways of satisfying the needs and wants, and creating value for consumers. While this unit is heavily based on theory, practical application of the concepts to "real world" situations is also essential. Specific topics of study include: market segmentation strategies; market planning; product decisions; new product development; branding strategies; channels of distribution; promotion and advertising; pricing strategies; and customer database management.

MKTG1002

Marketing Research 1

Credit points: 6 **Session:** Semester 2 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG2003 **Assessment:** Group project; Tutorial participation portfolio; Individual critique; Exams (mid-semester and final)

Fundamental to marketing is a requirement to understand who your customers are and what they want. Marketing research is the essential activity of discovering information and presenting it in a useful format to marketing decision makers. This unit introduces the skills and knowledge necessary to allow students to accurately formulate research questions and then discover answers ensuring that these are accurate, reliable and timely. Particular focus is given to different approaches to and aspects of data collection, including: qualitative research; secondary data collection; questionnaire design; sampling; experimental design; validity and basic data analysis.

MKTG1551**Marketing Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

MKTG1552**Marketing Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

Senior units of study**MKTG2010****Marketing Channels and Logistics**

Credit points: 6 **Session:** Semester 2 **Classes:** One lecture and one tutorial per week **Assessment:** Assessment is based on Tutorial Discussion, Written Discussion Question Summary, Mid-semester Test, Team Report, Team Presentation, and the Final Exam

This unit of study will introduce students to Marketing Channels and Logistics and demonstrate the range of ways in which these important functions complement each other. For example, Marketing focuses on managing and enhancing perceived value from the customer viewpoint, while Logistics focuses on achieving cost-efficient delivery mechanisms. Companies prosper when customers perceive high value and the company achieves this at lowest cost. The unit will address key marketing channels and logistics topics such as, the roles and interface between the marketing and logistics functions within the firm; value exchange (from both business and customer perspective); delivering value through marketing channels and the retail interface. It will also familiarise students with managing relationships across the distribution chain; the role of logistics in the economy; logistics as value streams; order management and customer service; the management of inventory in logistics processes; and logistics, information technology and information systems.

MKTG2112**Consumer Behaviour**

Credit points: 6 **Session:** Semester 1 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG2002 **Assessment:** Consumer behaviour audit; Group presentation; Case analyses; Two exams

This unit examines the psychological, social, and cultural aspects of consumer behaviour on the marketing decisions of public and private organisations. Concepts and principles are drawn from disciplines such as cognitive psychology, social psychology, sociology, anthropology, and demography to discover and understand various aspects of consumer behaviour. Specific topics of study include: cultural, demographic and psychographic influences; reference group influences; household decision processes and consumption behaviour; consumer perception and learning; motivation, personality and emotion; consumer attitudes; and purchase decision processes.

MKTG2551**Marketing Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

MKTG2552**Marketing Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

MKTG3112**Marketing Communications**

Credit points: 6 **Session:** Semester 2 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3002 **Assessment:** Assignment; Quiz; Project; Participation; Exam

This unit of study offers an introduction to and overview of current theory and practice in marketing communications. It will include aspects of advertising in the main media (television, radio, print, outdoor, cinema), sales promotion, personal selling and new media, such as the Internet. It will provide students with a sound theoretical/conceptual foundation as well as the strategic/practical perspectives of Marketing Communications planning and implementation.

MKTG3114**New Products Marketing**

Credit points: 6 **Session:** Semester 2 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3004 **Assessment:** Group Presentation; Group project; Two exams

New products and services are crucial to successful growth and increased profits in many industries. The goal is to help students learn how to develop and market 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.

MKTG3116**International Marketing**

Credit points: 6 **Session:** Semester 1 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3006 **Assessment:** Participation; Case presentation; International business theatre; Examination

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 gives students an awareness and understanding of international marketing concepts and highlights their importance in a rapidly changing global economy. Additionally the unit develops students' skills in designing and implementing marketing strategies in diverse international contexts.

MKTG3117**Services Marketing**

Credit points: 6 **Session:** Semester 1 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3007 **Assessment:** Group project; Group presentation; Participation; Exam

This unit provides an understanding of the concepts and processes specifically applicable to services marketing. Services are by nature different from products, and therefore lead to a set of different marketing challenges faced by service-based organisations such as those in tourism, hospitality, health care, aviation, banking, financial, accounting, medical and legal services industries. The unit focuses on those aspects of services that require differential understanding and execution than in a product-marketing environment. Customer care, relationship marketing, and how to use service as a competitive advantage are the other primary areas of interest covered by the unit

MKTG3118**Marketing Strategy and Planning**

Credit points: 6 **Session:** Semester 2 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001), MKTG1002 (or MKTG2003), and MKTG2112 (or MKTG2002) **Prohibitions:** MKTG3201 **Assessment:** Case study; Web-based strategy simulation; and Final examination.

This course will focus on strategic and managerial aspects of marketing. It will cover the development of innovative, business models; segmentation, positioning and lifecycle strategies; and key aspects of managing and organising marketing activities, and

measuring performance. The central theme is how marketing strategy and its management can create superior and sustainable value for both customers and shareholders. Assessment will reflect the Unit's strategic decision-making approach, requiring students to take on the roles of marketing advisors and managers.

MKTG3119

Public Relations Management

Credit points: 6 **Session:** Semester 2 **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 (or MKTG2001) **Assessment:** Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

Every organisation in the public and private sector makes use of public relations in some form or another. Indeed, for many organisations and marketing professionals, the marketing function is dominated by a mix of advertising, integrated marketing communications and public relations. This subject develops the theoretical and applied knowledge for students to better understand and use public relations. This subject provides a detailed inspection of communication processes necessary for the management of organizational relationships with publics by public relations practitioners. The subject addresses topics such as issues management, event management, media relations, ethics and public relations in commercial and not for profit entities to explore the foundations of contemporary public relations management.

MKTG3120

Building and Managing Brands

Credit points: 6 **Session:** Semester 1 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Assessment:** Tutorial work/participation; Mid-semester examination; Group project - presentation and report; Final examination

The most important intangible asset of any organisation is its brand or portfolio of brands. Marketers use an array of internal and external communications approaches to deliver the brand's overall value proposition and experience to its key stakeholders and target customers, and thereby build brand equity. Names, symbols, and slogans along with their underlying associations, perceived quality, brand awareness, customer base and related proprietary resources form the basis for brand equity. Most brands fail because of the lack of proper market research and analysis that enables the brand's core values to be articulated, accurate positioning strategies to be developed, and complete alignment to be achieved between internal and external brand building communications. This unit helps students understand the concept of brand equity and the management of brand assets by learning how to strategically create, position, develop and sustain brand equity.

MKTG3121

Advertising: Creative Principles

Credit points: 6 **Session:** Semester 1 **Classes:** One lecture and one tutorial per week **Prerequisites:** MKTG1001 or MKTG2001 **Assessment:** Essay style Final Exam. Two Tutorial Papers. Group Project, which includes a written report and presentation. Participation, which includes attendance at tutorials and lectures, a number of tutorial tasks and contribution to tutorial debate and discussion.

Most organisations use advertising to introduce themselves, their products and services to their existing and potential customers. Advertising is their public face and together with integrated marketing communications and public relations is one of the three pillars of commercial communication. This subject explores the creative material that is developed and produced to contact, inform, educate and influence consumer decisions. Advertising is the point where communication theory is put into practice. Through understanding the creative principles and practices of advertising personnel involved in marketing will be able to commission, evaluate and produce creative material to professional industry standards. The subject addresses topics such as the importance of creativity; messaging issues, determining consumer insights; the creative potential and purpose of different media; developing creative concepts; determining the

advertising idea; producing the final creative material and taking it to the marketplace.

MKTG3551

Marketing Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

MKTG3552

Marketing Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

MKTG3553

Marketing Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

MKTG3554

Marketing Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

MKTG3555

Marketing Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

Honours year units of study

MKTG4101

Marketing Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study **Assessment:** Coursework and research.
Note: Department permission required for enrolment .

The honours program in Marketing provides specialist training for postgraduate research in marketing, and provides graduates with the analytical skills for solving problems in marketing practice. The program consists of one coursework unit and a two-semester dissertation, written under the supervision of one or more academic staff members. Marketing Honours A and B involve an expert led series of research seminars which prepares students with the requisite skills to complete their dissertation. In addition, these seminars provide students with research skills that can be applied in either an academic or commercial context.

MKTG4102

Marketing Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study **Corequisites:** MKTG4101 **Assessment:** Coursework and research

Marketing Honours B represents the second part of the semester 1 seminar series. It will guide students as they find and narrow down a thesis topic and will help them prepare for the thesis proposal presentation.

MKTG4103

Marketing Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4102 **Assessment:** Coursework and research

Marketing Honours C and D provide students with the opportunity to plan, conduct and report on their chosen dissertation topics. Students work closely under their supervisor(s) to complete this exciting challenging research project. The honours dissertation is expected to be a high quality piece of research, of sufficient standard to be published independently in either marketing journals or conference proceedings.

MKTG4104**Marketing Honours D**

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4103 **Assessment:** Coursework and research.

Marketing Honours C and D provide students with the opportunity to plan, conduct and report on their chosen dissertation topics. Students work closely under their supervisor(s) to complete this exciting challenging research project. The honours dissertation is expected to be a high quality piece of research, of sufficient standard to be published independently in either marketing journals or conference proceedings.

Political Economy*Junior units of study***ECOP1001****Economics as a Social Science**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Assessment:** Tutorial participation; mini essay; essay; 2 hour final examination

Economic concerns are central to modern society and politics. Yet economists are deeply divided in their views about how the economy works and how it could be made to work better. This unit of study explores the principal competing currents of economic thought - classical, neo-classical, institutional, Marxian and Keynesian. It looks at how these rival economic theories influence views about economic policy and the future of capitalism. This provides a solid foundation for subsequent study of economics and political economy.

ECOP1002**Economy and Policy**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Assessment:** Tutorial assignments; Tutorial participation; Essay; Final exam

How are national economies changing in response to changes in the global economy? Who is benefiting and who is being disadvantaged? What role does government policy play, and what policy options are there? This unit of study addresses these questions in the context of the Australian economy. It introduces students to Keynesian and institutionalist approaches to economics to explore how government policy addresses issues such as industrial change, international trade and investment, employment, social welfare and income distribution. It gives students a 'hands on' approach to understanding the connections between current economic events and economic theory.

ECOP1003**International Economy and Finance**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Assessment:** Exams; in-class tests; discussion papers

Note: This unit of study is not available to students enrolled in the Bachelor of Economic and Social Sciences.

The world economy has changed dramatically since World War 2, especially with the renewed 'globalisation' from the 1980s. This unit traces the historical patterns of globalisation. It analyses the debates about whether globalisation has been for the better or worse overall, and who would have been the winners and the losers in this process. The unit explores the changing theories that have been used to explain and evaluate global economic integration. The unit concurrently explores the forms, and debates about, the regulation of economic activity on a global scale, addressing the development and changing roles of international agencies (World Bank, International Monetary Fund, World Trade Organisation), and evaluates their capacity to generate global equity and economic stability.

ECOP1551**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP1552**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

*Senior units of study***ECOP2011****Economic Foundation of Modern Capitalism**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP2001 **Assessment:** Tutorial participation and presentation; Essay; Final exam

This unit of study considers the economic foundations of modern capitalism. It explores the central concerns in political economy by looking at classical, Marxian, neo-Marxist and post-Keynesian theories and their applications. It thereby illuminates the connections between the production of goods and services, the distribution of income and economic growth.

ECOP2012**Social Foundations of Modern Capitalism**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP2002 **Assessment:** Essay; Tutorial presentation/participation; Final exam

Economic activity is 'embedded' within a broader social structure. So it is necessary to understand the institutional and social fabric by which the economy is constructed. This unit looks at the institutions of capital, labour, the family and the state that channel economic activity and the importance of class and other social struggles in the historical transformations of those institutions. It examines how governments respond to the imperatives for economic and social order and how the state acts to regulate institutions, and socio-economic relations, to establish stability and maintain capital accumulation. Several illustrative case studies and policy areas are studied.

ECOP2550**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2551**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2552**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2911**Political Economy Honours II**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures per week **Prerequisites:** Credit average in ECOP1001 and ECOP1002 **Corequisites:** ECOP2011 or ECOP2012 **Prohibitions:** ECOP2901 **Assessment:** Seminar presentation; Seminar paper; Seminar participation; Seminar questions; Good Society paper; Essay

Note: Department permission required for enrolment.

This unit of study introduces students to some of the big debates in the social sciences, through an exploration of the meaning and limits of class concepts in social theory. Structure and agency, fact and interpretation, the politics of theory, and the nature of the Good Society are all considered. The unit is both an enrichment program adding breadth to the range of issues you study in Pass units of study, and an advanced program adding depth to your analytical and writing skills in Political Economy, in preparation for a third year studies and for a final honours year.

ECOP3012**Global Political Economy**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture per week
Prerequisites: ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3002 **Assessment:** Presentation; Group Report; Essay; Participation

This unit of study presents a historical and institutional perspective on the development of the capitalist world economy since 1945. The analysis starts with a theoretical introduction covering the determinants of profits and accumulation and the role of external markets in economic growth. It then addresses two key issues in this development: the formation of the international monetary system after 1945 and the crisis of world monetary system following the end of the long boom; and the global role of the United States and the formation of two growth poles: Germany in Europe and Japan in Asia.

ECOP3014**International Development and Trade**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture per week
Prerequisites: ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3004 **Assessment:** Class participation; Minor Essay; Research essay; Final exam

This unit of study deals with the structural and cultural problems of poorer countries, and their post-colonial experiences. Students are introduced to particular theories explaining economic growth and the obstacles to development. These theories are applied to a range of contemporary issues in developing countries, such as industrialisation, structural adjustment and poverty, human rights, gender, the role of NGOs, development assistance and credit and debt. Case studies include current development issues in countries including India, Cuba and East Timor.

ECOP3017**Political Economy of Human Rights**

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour lecture per week
Prerequisites: ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3007 **Assessment:** Class participation; Minor Essay; Research Essay; Final exam

Debates about human rights and democratic legitimacy are linked to structural economic arguments and to cultural and structural debates over the process of socioeconomic change. This unit of study introduces the competing arguments over rights, the distinction between formal and effective rights and the social struggles that have created them. The approach of economic liberalism, emphasising property rights and the role of competition as an arbiter of equal opportunities in society, is discussed. Similarly, a rights analysis of market regulation and social and corporate welfare is pursued, with international and domestic case studies. The unit also includes discussions on indigenous rights and labour rights, the globalisation of capital and citizenship, and structural and cultural arguments over the nature of socioeconomic change.

ECOP3018**Economic Policy**

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour lecture per week
Prerequisites: ECOP1001 and ECOP1002 **Assessment:** Essay, Exam, Bonus marks for class participation

Some of the most contentious issues in political economy concern the role of government in addressing contemporary economic problems. This unit of study examines the evolution of economic policy in Australia since the end of World War II. It analyses the competing interests and ideologies, their channels of influence, and the context (including international linkages) within which economic policy develops. It builds on the introduction to economic policy issues in ECOP1002 Economy and Policy.

ECOP3019**Finance: Volatility and Regulation**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour lecture per week
Prerequisites: ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3009 **Assessment:** Long essay, Short essay, Final exam

Foreign exchange, international bond and derivative markets have expanded dramatically over the past 20 years. This unit of study examines reasons for the growth of these markets and their vulnerability to some form of volatility and crisis. Case studies of individual corporate financial crises and national financial crises are considered. The unit also addresses the regulation of financial markets, both on a national and international scale. It looks at the history of regulation, key regulatory and monitoring agencies, and arguments for a new international financial architecture.

ECOP3551**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

ECOP3552**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

ECOP3553**Political Economy Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

ECOP3911**Political Economy Honours III (Part A)**

Credit points: 6 **Session:** Semester 1 **Classes:** Two hour lecture per week
Prerequisites: Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) **Prohibitions:** ECOP3901 **Assessment:** Seminar presentation; Essay; Class participation

Note: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.

This is one of two units of study which prepare students for commencing the final honours year. It looks at the different ways in which research in political economy may be done. It compares the methodologies of the principal schools of economic thought, concentrating on aspects which distinguish neoclassical and non-neoclassical approaches to the study of economic issues. This is an important step towards the design of useful research in political economy.

ECOP3912**Political Economy Honours III (Part B)**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour class per week
Prerequisites: Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) **Prohibitions:** ECOP3902 **Assessment:** Review of Articles; Seminar participation; Literature review; Sources and Methods report; Thesis proposal

Note: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.

This is the second unit of study to be taken by students preparing for their final honours year. It emphasises the skills needed for research and dissertation writing. Topics include research materials, bibliographical access, computer software usage, and alternative sources of information for research in political economy. The unit also provides opportunities for discussion of honours dissertation proposals.

Honours year units of study

ECOP4001ECOP4002ECOP4003ECOP4004

Work and Organisational Studies**Junior units of study****WORK1003****Foundations of Work and Employment**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Two lectures and one seminar per week **Assessment:** Participation, short essay, major essay, exam

Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

This unit draws on concepts from industrial relations and human resource management to examine the interests and strategies of workers, unions, managers, employers and the state. It explores the relationships between these parties as they seek to manage their environments and workplaces and to exercise control over each other. The unit enables students to understand how and why the organisation, regulation and management of work are changing in Australia and globally. As well as providing an introduction to all aspects of the study of the employment relationship, this is the foundation unit for a major in industrial relations and human resource management.

WORK1551 Industrial Relations & HRM Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

Senior units of study

WORK2201 Foundations of Management

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one seminar per week **Prerequisites:** 24 credit points of junior units of study **Prohibitions:** IREL2001, WORK2001 **Assessment:** Assignment, essay and exam
Note: This is the compulsory unit of study for the Management major.

This unit serves both as a stand-alone unit for students who wish to obtain an overview of management methods and approaches and as the basis of study for advanced and specialised undergraduate units listed in the Management major. It examines management as a process of planning, organising, leading and controlling the efforts of organisational members and discusses how recent trends such as globalisation, economic change and the effects of new technology have led to profound changes in how organisations are managed. It explores these issues with respect to both large and small, public and private, and domestic and foreign organisations.

WORK2202 Labour Market Analysis

Credit points: 6 **Session:** Semester 1 **Classes:** Two hours of lectures and one seminar per week **Prerequisites:** 48 junior credit points including (WORK1003 or WORK1001 or IREL1001) **Prohibitions:** IREL2002, WORK2002 **Assessment:** Continuous: Essays, case studies and/or exam.

This unit examines the manner in which economists have analysed the operation of the labour market including the generation of employment and unemployment, the determination of wages and the effect of trade unions. The course surveys the major approaches to the study of the labour market including classical, neo-classical, Marxist and Institutional approaches. Through an examination of these approaches and how they have endeavoured to explain labour market phenomena the idiosyncrasies of labour as a resource are identified. Recent labour market experience in Australia is used to illustrate the close connection between analytical models of the labour market and public policy.

WORK2203 Industrial Relations Policy

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one seminar per week **Prerequisites:** 24 credit points of junior units of study including (WORK1003 or WORK1001 or IREL1001) **Prohibitions:** IREL2003, WORK2003 **Assessment:** Tutorial presentation, essay, participation, journal or exam

Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

This unit introduces the institutions and processes of Australian industrial relations with an emphasis on laws, institutions and social processes. It combines theoretical and historical understandings of Australian industrial relations with a detailed examination of the current problems and strategies of the key industrial relations players. The topics studied include: the regulatory framework of industrial relations; policies of federal and state governments; the history and policies of unions and employer associations; the practices of Australia's arbitral

tribunals; the development of wage determination; and emerging patterns of dispute resolution and bargaining.

WORK2205 Human Resource Processes

Credit points: 6 **Session:** Semester 1 **Classes:** Two Lectures and one seminar per week **Prerequisites:** 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) **Prohibitions:** IREL2005, WORK2005 **Assessment:** Practical exercise, essay or exam

Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

Building on the foundation Human Resource Management (HRM) issues and concepts provided in WORK1002, this unit provides an advanced coverage of a select range of human resource management processes and practices. The processes and practices that may be selected for detailed consideration include human resource recruitment and selection; training and development; career planning and development; performance management and motivation; reward and remuneration management; managing workforce diversity; managing commitment, culture and change; international human resource management; and HRM system evaluation. Students are advised to consult the Work and Organisational Studies Discipline beforehand regarding the specific mix of practices to be covered in any given session.

WORK2206 Work: Past and Present

Credit points: 6 **Session:** Semester 1 **Classes:** Lectures and seminar **Prerequisites:** 48 junior credit points **Prohibitions:** IREL2006, WORK2006 **Assessment:** Continuous: Essays, case studies and/or exam.

This unit interprets the developments of work and labour within their social, political and economic context. It looks at issues like convict labour, the rise of collective movements such as trade unions and political parties and centrally focuses on themes such as ethnic and gender diversity as well as other aspects of culture, community and social formation.

WORK2209 Organisational Analysis and Behaviour

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one seminar per week **Prerequisites:** 40 credit points worth of units of study **Prohibitions:** IREL2009, WORK2009 **Assessment:** Participation, essay and exam

The aim of this unit is to provide an understanding of the actual processes and structures that influence the way people behave in organisations. It examines different approaches beginning with the individual (micro) level through to the organisational (macro) level. It takes students through a range of topics including attitudes, perceptions, organisational citizenship, workaholism, humour at work, rumour/gossip, romance/sex in organisations, bullying and violence, group dynamics, organisational power and politics and organisational culture. At the end of the unit students have developed the ability to reason, debate and critically examine a range of topical organisational issues.

WORK2210 Strategic Management

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one seminar per week **Prerequisites:** 40 credit points worth of units of study **Prohibitions:** IREL2010, WORK2010 **Assessment:** Test, tutorial presentation, case study, exam

The aim of this unit is to critically examine the concept of strategy in the management of organisations. It examines different approaches to strategy and strategic management and traces the development of strategic management as an academic discipline. It takes students through the classical strategic management process as it is presented in most textbooks and it also introduces students to a range of current debates in strategic management. This unit can be taken as a stand alone introduction to strategy or as part of a broader program of study in management.

WORK2211**Human Resource Strategies**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one seminar per week **Prerequisites:** 40 credit points of units of study including WORK1003 (or WORK1002 or IREL1002) **Prohibitions:** IREL2011, WORK2011 **Assessment:** Tutorial paper, participation, essay and exam

This unit examines the links between human resource management and strategic management in different kinds of organisations, both in Australia and overseas. It provides a critical and in-depth analysis of the human resource management theories, paying particular attention to the concepts of strategy, people management and organisational performance. The unit considers contemporary and controversial issues in human resource management, which may include downsizing, outsourcing, knowledge management, governance and social responsibility.

WORK2215**IR and HRM Practice**

Credit points: 6 **Session:** S2 Late Int **Classes:** Intensive mode during mid year break and in semester 2 **Prerequisites:** WORK1003 or (WORK1001 and WORK1002) plus 12 senior credit points in WOS units of study **Prohibitions:** IREL2015, WORK2015 **Assessment:** role play, essay

Note: Department permission required for enrolment .

This unit is intended to go some way towards bridging the gap between theory and professional life. The unit examines the theoretical basis of labour negotiation. It goes on to examine the process of bargaining drawing upon both literature and experience of industrial relations and human resource management practitioners. The process of advocacy and role of advocacy in Australian industrial relations is also examined. Much of the unit is devoted to role-play negotiation exercises where students apply the techniques that have been taught. Students also undertake a period of work experience.

WORK2217**International Human Resource Management**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one seminar per week **Prerequisites:** 40 credit points worth of units of study including either (WORK1003 or WORK1001 or IREL1001) OR (IBUS2101 or IBUS2001) **Prohibitions:** WORK2017 **Assessment:** Group presentation, journal and exam

This unit considers the opportunities and challenges associated with managing employees in international and cross-cultural contexts, with specific emphasis on international recruitment, selection, preparation, placement, management development, performance management, reward and remuneration in the international, multi-national and trans-national corporation. Within the context of global labour markets, the unit considers the implications of internationalisation and globalisation for human resource management (HRM), the difference between domestic and international HRM, and the challenges of cross-cultural management. This unit will provide students with a theoretical understanding of IHRM and cross-cultural management, as well as a practical understanding of the issues and challenges associated with managing employees in international, global and cross-cultural contexts.

WORK2218**People and Organisations**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Two lectures and one seminar per week **Prerequisites:** 24 junior credit points **Assessment:** Assignment, group case study and exam

Contemporary organisations are characterised by a high degree of change. One of the most pervasive, and widely debated, changes in organisations has been the growing use of various forms of teamwork. Contemporary forms of teamwork include project based teams, virtual teams, and self managing teams and are found across a broad spectrum of organisational types- from manufacturing to professional service organisations. This unit of study introduces students to theories about the impact of individual, group and organisational factors on people and organisations and uses these concepts and theories to examine the factors that can make working in and managing teams more effective. As such, People and Organisations is designed to

provide students majoring in Business insight into a set of critical issues that will impact their professional and business careers. Because of the increasing significance of teamwork, this unit of study also provides an important foundation for further study in Management and Industrial Relations and Human Resource Management.

WORK2219**Management and Organisational Ethics**

Credit points: 6 **Session:** Semester 2 **Classes:** Two lectures and one seminar per week **Prerequisites:** 40 credit points worth of units of study **Assessment:** Essay, group project and exam

Ethical issues are occupying an increasingly prominent place in work, organisation and management studies. This unit of study focuses on ethical aspects of management and organisational practice. By applying relevant ethical frameworks, students will be encouraged to enhance their understanding of the role and responsibilities of management, the impact of organisations on employees and the ethical implications of contemporary trends in employment. This unit builds on foundational units of study in Management, Industrial Relations and Human Resource Management.

WORK2220**Managing Knowledge Work**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one seminar per week **Prerequisites:** 48 credit points **Assessment:** Continuous: Essays, case studies and/or exam.

Knowledge management is designed to increase the ability of firms to exploit knowledge as a resource. However designing and acknowledging strategies to exploit knowledge does little to advance our understanding of the characteristics of knowledge work or the challenges it throws up for management. This subject aims to ground abstract notions of knowledge and knowledge management within an understanding of the different behavioural and organisational contexts of workplaces. The unit analyses the meaning of knowledge and knowledge work and recognizes the importance of knowledge management as a response to wider changes in contemporary advanced economies.

WORK2221**Organisational Communication**

Credit points: 6 **Session:** Semester 1 **Classes:** Two lectures and one seminar per week **Prerequisites:** 40 credit points worth of units of study **Assessment:** Participation, group project and exam

Communication is integral to many organisational processes; for instance, effective planning, decision-making, negotiation, conflict management, change management and leadership all rely upon effective communication by organisational actors. At the same time, organisational communication has become more complex due to increasing levels of diversity in the workplace and an increasing reliance on emergent and rapidly changing communication technologies. Drawing on communication research models, theories and case studies, the unit will provide students with insight into how to manage the complexities of contemporary organisational communication. The unit will focus primarily on internal organisational communication and will examine communication processes at various levels: interpersonal (dyadic), group and organisation.

WORK2551**Work & Organisational Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

WORK2552**Work & Organisational Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment .

WORK2553**Work & Organisational Studies Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

WORK2554

Work & Organisational Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

WORK2555

Work & Organisational Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

WORK2556

Work & Organisational Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

WORK3921

Theories of Work and Organisations

Credit points: 6 **Session:** Semester 1 **Classes:** Three hours per week
Prerequisites: (WORK1003 or WORK1001 or IREL1001) and (WORK1002 or IREL1002) and enrolled in Industrial Relations and Human Resource Management or Management major with minimum grade credit in all WORK units. **Corequisites:** Enrolment in either an Industrial Relations and Human Resource Management or Management major **Prohibitions:** IREL3901, WORK3901 **Assessment:** Short essay, long essay and take home exam

Note: Department permission required for enrolment .

This unit forms part of the Work and Organisational Studies honours program. It introduces students to the roles of theory in science, particularly social sciences and examines the development of different models of theory development in the social sciences. The unit also examines a selection of different theoretical approaches to explaining work and organisations. This is done so by identifying several different issues or themes that have emerged in work and organisational studies and discussing the manner in which these themes have been studied and the consequent explanations that have emerged.

WORK3922

Researching Work and Organisations

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours per week
Prerequisites: WORK3921 or IREL3901 or (IREL2901 and IREL2902) and enrolled in Industrial Relations and Human Resource Management or Management major with minimum grade credit in all WORK units. Students must have completed 48 senior credit points of study. **Prohibitions:** IREL3902, WORK3902 **Assessment:** Seminar paper, literature review and research proposal or ethics application

Note: Department permission required for enrolment .

Note: Enrolment in either an Industrial Relations and Human Resource Management or Management major

This unit seeks to develop the skills, practices and understandings necessary to undertake a research-based thesis in work and organisational studies. Students gain an understanding of the theoretical basis and design requirements of the main qualitative and quantitative approaches to research, as well as the techniques of questionnaire design, interviewing, observation and documentary analysis. There is an emphasis on the development of methodological expertise relevant to the students anticipated dissertation topic and the preparation of a viable research proposal.

Honours year units of study

WORK4101

Industrial Relations & HRM Honours A

Credit points: 12 **Session:** Semester 1, Semester 2 **Prerequisites:** 36 credit points of senior level WORK units of study plus WORK3921 and WORK3922. All WORK units of study must be passed at a credit level or above. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study **Prohibitions:** IREL4101 **Assessment:** Coursework; Dissertation

Note: Department permission required for enrolment .

The primary focus is on an original dissertation of approximately 20,000 words to be submitted at the end of Part B. In addition, students must undertake coursework as specified. Candidates must enrol in

WORK4102, WORK4103 and WORK4104 to complete the honours year.

WORK4102

Industrial Relations & HRM Honours B

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4101
Prohibitions: IREL4102

See WORK4101

WORK4103

Industrial Relations & HRM Honours C

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4102
Prohibitions: IREL4103

See WORK4101

WORK4104

Industrial Relations & HRM Honours D

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4103
Prohibitions: IREL4104

See WORK4101

Bachelor of Commerce core units of study

Junior units of study

ACCT1001

Accounting IA

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Dec **Classes:** Three hours of lectures/tutorials per week **Prohibitions:** ACCT1003, ACCT1004
Assumed knowledge: HSC Mathematics **Assessment:** Quiz; Mid-semester examination; Tutorial and research assignments; Practice Set; Final examination

Note: Restricted entry

Introduces accounting and the double entry system of financial recording. Students are introduced to the skills necessary to prepare, interpret and analyse financial statements. Examines assumptions underlying the preparation of financial statements for external users. Development of skills necessary to understand, discuss, analyse and write about accounting-related topics. Designed as an introduction to accounting. No prior knowledge of accounting assumed.

ACCT1002

Accounting IB

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours of lectures/tutorials per week **Prerequisites:** ACCT1001 **Prohibitions:** ACCT1003, ACCT1004 **Assessment:** Homework task and worked examples; Group project; Mid-semester examination; Final examination.

Note: Restricted entry

Accounting is about the recording, classification, reporting and interpretation of information to help make economic decisions. Accounting 1A introduces accounting and the double entry system for financial recording. Accounting 1B develops themes and competencies learnt in Accounting 1A. The primary focus of this unit of study is on conceptual and technical issues relating to management accounting and the information required by internal users to make strategic and operational decisions relating to managing a business. A second theme is the financial accounting information businesses are required to produce to assess a firm's financial state and performance. Students examine how commercial and ethical issues affect business decisions and how there are present and future consequences that will affect different groups of interest

ECMT1010

Business and Economic Statistics A

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 3 hours per week **Prohibitions:** ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021 **Assessment:** Mid-semester examination; Exams; Assignment

This unit provides an introduction to basic statistics and its applications in economics and business disciplines. Topics include: methods for data management; analysis and interpretation of data; probability; the

normal distribution; an introduction to sampling theory and hypothesis testing; and the concepts of regression analysis. A key component is the provision of instruction and experience in the use of computers and statistical software as an aid in the analysis of data. Students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

ECON1001

Introductory Microeconomics

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Two lectures and one tutorial per week **Assumed knowledge:** Mathematics **Assessment:** Online tests, mid semester exam, final exam

Introductory Microeconomics addresses the economic decisions of individual firms and households and how these interact in markets. It is a compulsory core unit for the Bachelor of Economics and Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science. Economic issues are pervasive in contemporary Australian society. Introductory Microeconomics introduces students to the language and analytical framework adopted in Economics for the examination of social phenomena and public policy issues. Whatever one's career intentions, coming to grips with economic ideas is essential for understanding society, business and government. Students are given a comprehensive introduction to these ideas and are prepared for the advanced study of microeconomics in subsequent years.

ECON1002

Introductory Macroeconomics

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Two lectures and one tutorial per week **Assumed knowledge:** Mathematics **Assessment:** 2 in-class tests, Tutorial Assessment, Final Exam

Introductory Macroeconomics addresses the analysis of the level of employment and economic activity in the economy as a whole. It is a compulsory core unit for the Bachelor of Economics (BEC) and for the Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science. Introductory Macroeconomics examines the main factors that determine the overall levels of production and employment in the economy, including the influence of government policy and international trade. This analysis enables an exploration of money, interest rates and financial markets, and a deeper examination of inflation, unemployment and economic policy.

INFS1000

Business Information Systems Foundations

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three hours per week **Prohibitions:** ISYS1003, INFO1000, INFO1003, INFO1903 **Assessment:** Tutorial work/ participation; Individual project; Group project; Final examination

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 focuses on how businesses operate and shows how business information systems support business operations and management. Students are provided with an introduction to BIS theories, frameworks and models to assist in understanding the nature and contribution of BIS in a range of organisational contexts including private, public and not for profit.

MKTG1001

Marketing Principles

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One lecture and one tutorial per week **Prohibitions:** MKTG2001 **Assessment:** Marketing plan; Group presentation; Tutorial assignment ; Two exams

This unit examines the relationships among marketing organisations and final consumers in terms of production-distribution channels or value chains. It focuses on consumer responses to various marketing

decisions (product mixes, price levels, distribution channels, promotions, etc.) made by private and public organisations to create, develop, defend, and sometimes eliminate, product markets. Emphasis is placed on identifying new ways of satisfying the needs and wants, and creating value for consumers. While this unit is heavily based on theory, practical application of the concepts to "real world" situations is also essential. Specific topics of study include: market segmentation strategies; market planning; product decisions; new product development; branding strategies; channels of distribution; promotion and advertising; pricing strategies; and customer database management.

Senior units of study

FINC2011

Corporate Finance I

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** Two hours of lectures and one tutorial per week **Prerequisites:** ECON1001 and ECON1002 and ECMT1010 and (ACCT1001 or ACCT1003) **Prohibitions:** FINC2001 **Assessment:** One 3hr exam, Assignments, Mid-semester test

Note: Study in Finance commences in second year.

This unit provides an introduction to basic concepts in corporate finance and their application to (1) valuation of risky assets including stocks, bonds and entire corporations, (2) pricing of equity securities, and (3) corporate financial policy decisions including dividend, capital structure and risk management policies. An emphasis is placed on the application of ideas and current practices in each of these areas.

GOVT2558

Government, Business and Society

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** 4 junior units of study **Assessment:** Exam; essay; case study; tutorial participation.

Modern businesses have new roles and responsibilities within the global economy and society. Understanding the relationships between government, business and society is essential for students undertaking a contemporary business education. This unit will provide students with conceptual and practical tools that they can use to examine the role of business in society, to explore the ways in which public policy shapes and constrains business decision-making and to understand the social and ethical responsibilities of business. The unit will introduce students to the political, social, regulatory, environmental and technological challenges facing businesses and the impact of the demographic diversity of organisations. The unit will draw upon Australian and international case study material.

WORK2218

People and Organisations

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Two lectures and one seminar per week **Prerequisites:** 24 junior credit points **Assessment:** Assignment, group case study and exam

Contemporary organisations are characterised by a high degree of change. One of the most pervasive, and widely debated, changes in organisations has been the growing use of various forms of teamwork. Contemporary forms of teamwork include project based teams, virtual teams, and self managing teams and are found across a broad spectrum of organisational types- from manufacturing to professional service organisations. This unit of study introduces students to theories about the impact of individual, group and organisational factors on people and organisations and uses these concepts and theories to examine the factors that can make working in and managing teams more effective. As such, People and Organisations is designed to provide students majoring in Business insight into a set of critical issues that will impact their professional and business careers. Because of the increasing significance of teamwork, this unit of study also provides an important foundation for further study in Management and Industrial Relations and Human Resource Management.

ECOF3001**Business Strategy**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one seminar per week **Prerequisites:** Completed a minimum of 72 credit points in Economics and Business units of study **Assessment:** Test; group case study; exam

Many organisations are faced with fast-paced change. The ability of organisations to develop effective strategic responses to these changes has become central to their survival and success. While the traditional focus of the academic study of business strategy has been on the formulation process, more contemporary analyses suggest that, in a context of fast paced change, effective strategy is a product of well developed strategic thinking throughout the organisation and the ability to rapidly and effectively implement strategic change. This unit of study, which acts as a capstone unit for students undertaking a Bachelor of Commerce, focuses on these two key issues. The first section of the unit of study revisits some of the core economic concepts introduced to students in their first year of study and examines how they can be used to analyse the strategic challenges facing commercial organisations. The second section of the unit of study focuses on the implementation and management of strategic change. Drawing on research on organisational change and strategy implementation, it provides students with insights into the process of managing strategic change.

Bachelor of Commerce (Liberal Studies) compulsory junior unit of study

ECOF1001**Communication and Critical Analysis 1A**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Prohibitions:** ECOF1002 **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation.

Note: This unit of study is meant for native speakers of English.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

ECOF1002**Communication and Critical Analysis 1B**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar and a one hour tutorial per week **Prohibitions:** ECOF1001 **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation.

Note: This unit of study is meant for students from a non-English speaking background.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

Cross-discipline units of study

*Junior units of study***ECOF1001****Communication and Critical Analysis 1A**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar per week **Prohibitions:** ECOF1002 **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation.

Note: This unit of study is meant for native speakers of English.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

ECOF1002**Communication and Critical Analysis 1B**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hour seminar and a one hour tutorial per week **Prohibitions:** ECOF1001 **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation.

Note: This unit of study is meant for students from a non-English speaking background.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

ECOF1551**General Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

*Senior units of study***ECOF2551****Economics/Commerce Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ECOF2552**Economics/Commerce Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ECOF3001**Business Strategy**

Credit points: 6 **Session:** Semester 2 **Classes:** Two hours of lectures and one seminar per week **Prerequisites:** Completed a minimum of 72 credit points in Economics and Business units of study **Assessment:** Test; group case study; exam

Many organisations are faced with fast-paced change. The ability of organisations to develop effective strategic responses to these changes has become central to their survival and success. While the traditional focus of the academic study of business strategy has been on the formulation process, more contemporary analyses suggest that, in a context of fast paced change, effective strategy is a product of well developed strategic thinking throughout the organisation and

the ability to rapidly and effectively implement strategic change. This unit of study, which acts as a capstone unit for students undertaking a Bachelor of Commerce, focuses on these two key issues. The first section of the unit of study revisits some of the core economic concepts introduced to students in their first year of study and examines how they can be used to analyse the strategic challenges facing commercial organisations. The second section of the unit of study focuses on the implementation and management of strategic change. Drawing on research on organisational change and strategy implementation, it provides students with insights into the process of managing strategic change.

ECOF3551**Economics/Commerce Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

ECOF3552**Economics/Commerce Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment .

7. Science units of study

This chapter provides information on each of the undergraduate units of study offered by the Faculty of Science, as well as additional information on each of the teaching Schools and Departments and interdisciplinary subject areas.

Organisation of unit of study information

The units of study are generally organised alphabetically by School of Departments. EMHU and HSTO units can be found under the entry for anatomy and Histology. NEUR can be found in the Anatomy or Physiology entries, depending on the principle teaching department for the individual unit. COMP, INFO, ISYS, NETS, MULT AND SOFT can be found under the Information Technologies entry. NTMP can be found under the Marine Science entry. STAT can be found under the Mathematics and Statistics entry. VIRO can be found under the Microbiology entry.

Aerospace, Mechanical and Mechatronic Engineering

The School of Aerospace, Mechanical and Mechatronic Engineering is part of the Faculty of Engineering. In addition to providing professional training in aerospace, mechanical, biomedical and mechatronic engineering, units of study in the School are available to students in the Faculty of Science who meet any prerequisite requirements for a particular unit.

Registration

Timetable information on alternative lecture/tutorial/laboratory/practical classes is available in the General Office of the School.

Tutorials and laboratories

All students are required to undertake the tutorial and laboratory work associated with the chosen units of study, details of which are provided in the timetables. The experimental and tutorial work, an integral part of the unit of study, complements the lecture material.

Double degree

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Aerospace, Mechanical, Mechatronic or Biomedical Engineering. Students wishing to undertake this option must apply through UAC and compete on the basis of academic merit. Information about application procedures is available from the Engineering Faculty Office in the Engineering Faculty Building.

Agricultural Chemistry and Soil Science

Study in the discipline of Agricultural Chemistry is offered by the Faculty of Agriculture, Food and Natural Resources. Units of study in Agricultural Chemistry for Science students cover aspects of chemistry and biochemistry which are relevant in basic and applied biological sciences including agriculture, the environment and food science. The unit of study, Introductory Rural Environmental Chemistry (AGCH2003) introduces students to basic analytical and environmental chemistry. Senior units of study include Chemistry and Biochemistry of Foods A and B (AGCH3025 & AGCH3026), and Rural Environmental Chemistry A and B (AGCH3030 & AGCH3031). These Senior units of study introduce students to the applied aspects of food chemistry science or to applied environmental chemistry. Emphasis is placed on the chemistry of both naturally occurring molecules of biological, agricultural and environmental significance (eg. in foods and natural fibres), and chemically synthesised (eg. insecticides and herbicides). Agricultural Chemistry Honours is available to students who wish to further their studies in food chemistry or environmental chemistry.

AGCH2003

Rural Environmental Chemistry (Intro)

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell **Session:** Semester 1 **Classes:** 3 lec/week and 33 hours of lab/semester **Prerequisites:** 12 credit points of Junior Chemistry **Prohibitions:** AGCH2001, AGCH2002, CHEM2404 **Assessment:** One 2 hr exam, prac & quizzes **Practical field work:** 38 hr prac in semester

This introductory unit of study consists of aspects of chemistry relevant in studies of basic and applied biological sciences including agriculture, food and the rural environment. Lecture topics include an introduction to quantitative aspects of biophysical, environmental and aquatic chemistry with particular reference to protocols for specimen sampling and maintenance of specimen quality; the principles of basic analytical methods such as spectroscopy, chromatography and electrochemistry; environmental aspects of water such as thermal properties and its behaviour as a solvent of hydrophobic solutes, surfactants, neutral hydrophilic solutes, salts and other electrolytes, and gases. The lectures will also include environmental nutrient cycling (C, N, S, O, P, micronutrients) with reference to pesticides, herbicides, organic and inorganic pollutants affecting agricultural produce and the environment, and gases of environmental concern. Eleven laboratory sessions will demonstrate aspects of analytical chemistry including: elemental analysis of foods and natural waters, spectrophotometry, chromatographic techniques, preparation of buffers, fundamentals of pH and conductance measurement, water as a solvent including the effect of surfactants and electrolytes. Students will analyse natural water samples using the skills acquired in earlier laboratory and write an environmental assessment from their findings. The introductory laboratory session for the unit will include a tutorial on safety procedures in a chemistry laboratory.

AGCH3024

Chemistry and Biochemistry of Foods

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell **Session:** Semester 1 **Classes:** 3 lec/wk and 8 x 3 hr pracs **Prerequisites:** 12 credit points of Intermediate units from Molecular Biology and Genetics, Biochemistry or Chemistry **Prohibitions:** AGCH3016, AGCH3017, AGCH3025 **Assessment:** One 2hr exam (50%), assignments (20%), laboratory (30%) **Note:** Department permission required for enrolment.

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; natural fibres and gel-forming biopolymers - uses in foods, importance in dietary fibre and commercial products; enzymes in foods and food processing; wheat flour dough and protein chemistry during baking and cooking; flavour chemistry and the chemistry and biochemistry of anti-nutritional and toxic constituents of plants and foods. The practical exercises in this unit of study will focus on the characterisation of food hydrocolloids in terms of particle size distribution, molecular weight distribution, and molecular structure. Students should emerge with a good understanding of the fundamental basis of hydrocolloid characterisation, some familiarity with a broad range of commonly used techniques, and good skills in assessment and processing of experimental data.

AGCH3025

Chemistry and Biochemistry of Foods A

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell **Session:** Semester 1 **Classes:** 3 lec/wk, 8 x 3 hr prac per semester **Prerequisites:** 6 credit points of Intermediate units in Agricultural Chemistry, Chemistry or Biochemistry

Prohibitions: AGCH3017, AGCH3024 **Assessment:** One 2 hr theory exam, one 1 hr theory of prac exam, assignment and prac reports

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; natural fibres and gel-forming biopolymers - uses in foods, importance in dietary fibre and commercial products; enzymes in foods and food processing; wheat flour dough and protein chemistry during baking and cooking; anti-nutritional and toxic constituents of plants and foods; and flavour chemistry. 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 and dietary fibre; spectroscopic, enzymic, and chromatographic methods.

AGCH3026

Chemistry and Biochemistry of Foods B

Credit points: 6 **Teacher/Coordinator:** Dr Robert Caldwell **Session:** Semester 1 **Classes:** 2 hr lec/seminar/workshop/wk; 24 hrs of prac/semester; site visits **Prerequisites:** 6 credit points of Intermediate Chemistry, Biochemistry or Agricultural Chemistry **Corequisites:** AGCH3025 **Prohibitions:** AGCH3003, AGCH3005, AGCH4006 **Assessment:** Five written assignments, one 1 hr theory of prac exam, prac reports and poster presentation

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.

AGCH3030

Rural Environmental Chemistry A

Credit points: 6 **Teacher/Coordinator:** Prof Ivan Kennedy (Coordinator) **Session:** Semester 1 **Classes:** 6 day field trip in orientation week, 21 hr lec & 25 hr prac **Prerequisites:** 6 credit points of either Intermediate Agricultural Chemistry, Chemistry, Biochemistry, Plant Science or Environmental Science **Prohibitions:** AGCH3020, AGCH3021, AGCH3022 **Assessment:** One 2 hr exam, field trip and laboratory reports

This unit commences with a field trip to the Namoi and the Macquarie Valleys, where agriculture largely based on irrigation has been developed. Environmental impacts on vegetation, soil and water of agricultural enterprises such as cotton farming and human settlement will be assessed in a professional field trip report. Field observations on pH, nutrient and salt content, pesticide, 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. Lectures will complement the field trip, including environmental chemistry of heavy metals, their effects on organisms; mechanisms of tolerance and phytoremediation; risk assessment of pesticides including herbicides, their mode of action and environmental fate; analysis and monitoring of pesticide residues by GC, GC-MS and immunoassay (ELISA); maximum residue limits (MRLs) and residue surveys; remediation of pesticides in ecosystems; design of new pesticides and means of pest control. Laboratory sessions will be related to these lecture topics, including 6-7 sessions on atomic absorption analysis for nutrients and heavy metals, mercury analysis, pesticide analysis by GLC, HPLC, MS and ELISA.

AGCH3031

Rural Environmental Chemistry B

Credit points: 6 **Teacher/Coordinator:** Prof Ivan Kennedy (Coordinator) **Session:** Semester 2 **Classes:** 5-day field trip in AVCC common break; 21 hr lec and 30 hr prac and project/semester **Prerequisites:** 6 credit points of either Intermediate Agricultural Chemistry, Chemistry, Biochemistry, Plant Science or

Environmental Science **Prohibitions:** AGCH3020, AGCH3021, AGCH3022 **Assessment:** One 2 hr exam, field-trip report and laboratory reports

This field-oriented course will (i) provide understanding of chemical and biochemical processes in rural ecosystems and their sustainability, with particular reference to global warming, (ii) include a field trip and professional report to illustrate relevant case studies at several centres in eastern Australia (Canberra, Snowy Mountains, Murray and Murrumbidgee catchments) specialising in research related to global warming, acidification and water quality including salinisation (iii) conduct laboratory sessions and group research project to study a problem in a professional setting. Practical solutions will be sought by students, based on a field theory of action in ecosystems. Lectures will cover the environmental carbon, nitrogen and sulphur cycles, including bioenergetics of autotrophic and heterotrophic action; photosynthesis; nitrification and denitrification; biological nitrogen fixation; sulphur metabolism; production of greenhouse gases; pH balancing and efficient nutrient uptake; acidification of ecosystems and effects on plants and animals; remediation and control of greenhouse emissions; bioremediation of acidification and salinisation. The laboratory sessions and the group project will illustrate these environmental processes, including greenhouse gas production, methane and NO_x, photosynthesis and nitrogen fixation, and monitoring of endocrine-disrupting compounds including pesticides using GLC, HPLC and ELISA.

Agricultural Chemistry Honours

Honours in Agricultural Chemistry aims to: provide students with problem-solving and communication skills required by professional chemists in enterprises concerned with agricultural production and processing, foods and beverages, and environmental science; enable students to learn to work independently in a laboratory environment; familiarise students with the research literature and methodology of biological chemistry; and provide a basis for students who wish to proceed to postgraduate research. Candidates should consult the Department as soon as possible after results in Senior units of study are obtained. The unit of study consists of a research project and four 6 credit point units of study. The research project component includes oral as well as written forms of assessment. Projects are usually available in one of the following areas of current research interest in the Department: carbohydrate and nitrogen metabolism in plants, biological nitrogen fixation and biofertilisers, greenhouse gas production, the biochemistry and environmental chemistry of pesticides and herbicides, environmental risk assessment, acidification of ecosystems, residue analysis in foods, aspects of food science including oil seed and cereal chemistry and biochemistry

Soil Science

The Soil Science units of study aim primarily at giving students an introduction to the three major branches of soil science, namely soil physics, soil chemistry, and pedology, and at providing the basis for a professional career in each of these divisions for students wishing to specialise. The introductory unit of study is particularly relevant for students interested in the environmental and geological sciences and in land-use management.

SOIL2003

Soil Properties and Processes

Credit points: 6 **Teacher/Coordinator:** Dr Cattle, Prof McBratney, Dr Singh **Session:** Semester 1 **Classes:** (3 lec & 3hr prac)/wk **Assessment:** One 2hr theory exam, one 2hr prac exam, quizzes and prac book

This unit of study is concerned with the fundamental properties of soil, the factors of soil formation, and the processes that operate in the soil system. The components of the unit of study are: pedology; soil physics and soil chemistry. These components are synthesised by reference to common soil profiles. The study of soil in the field starts with field description and assessment of essential characteristics. The physics of water and gas movement, temperature, density, swelling and strength are considered. Soil chemistry includes properties of organic matter, cation exchange capacity, nitrogen, phosphorus,

potassium and acidity. Common soil types of N.S.W. are studied in relation to their formation, properties and classification.

Textbooks

Reference books

N.C. Brady The Nature and Properties of Soils 10th edn (Macmillan, 1990)
K.O. Campbell and J.W. Bowyer (eds) The Scientific Basis of Modern Agriculture (Sydney U.P., 1988)
D.L. Rowell, Soil Science: Methods and Applications (Longman, 1994)
R.E. White Introduction to the Principles and Practice of Soil Science 3rd edn (Blackwells Scientific, 1997)
A. Wild (ed.) Russell's Soil Conditions and Plant Growth 11th edn (Wiley, 1988)

SOIL2004

The Soil Resource

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 **Prerequisites:** GEOL1001 or GEOL1002/1902 or ENVI1002 or GEOG1001 **Assessment:** Fieldtrip participation (5%), soil mapping report (25%), laboratory report (15%), examination (55%)

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 to 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.

Textbooks

A laboratory manual will be made available to the students.
Brady NC & Weil RR, The Nature and Properties of Soils. 13th ed. (or any later edition) Prentice Hall, New Jersey, 2002
Isbell RF McDonald WS & Ashton LJ, Concepts and Rationale of the Australian Soil Classification. Australian Collaborative Land Evaluation Program, CSIRO Publishing, Canberra, 1997
White RE, Principles and Practice of Soil Science: the Soil as a Natural Resource. 3rd ed., Blackwell Science, Oxford, 1997
McKenzie N, Jacquier D, Isbell R & Brown K, Australian Soils and Landscapes: An Illustrated Compendium. CSIRO publishing, Melbourne, 2004
A more comprehensive reading list will be provided in the laboratory manual.

SOIL3005

Field and Laboratory Soil Physics

Credit points: 6 **Teacher/Coordinator:** Professor Alex McBratney **Session:** Semester 1 **Classes:** (2lec/2hr prac)/wk, 5 days in the field (prior to beginning of February semester). **Prerequisites:** SOIL2004 **Assessment:** One 2hr exam, field report in form of webpage, lab report, presentation.

Note: Department permission required for enrolment.

The soil science specialisation trains people for careers in professional soil science and extension. It provides an excellent background for entry into all aspects of soil science research ranging from physics through mineralogy and chemistry to pedology. Increasing emphasis is being given to aspects of soil sustainability and environmental soil science in order that graduates can meet the growing national demands in this area. The emphasis is to examine the quantitative aspects of soil physics particularly in relation to the transfer of energy, gas, water, solids and solutes in soil. Lecture and lab topics include heat flow, gas movement, soil water energetics, saturated and unsaturated flow of soil water, infiltration, solute movement, water and wind erosion as well as the electrical properties of soil and

fundamentals of numerical computer modelling of soil physical processes. Five days' field-work, in the week prior to the beginning of February Semester, involves field measurement of soil physical properties such as shear and compressive strength, electrical conductivity, temperature, evaporation, hydraulic conductivity and infiltration rates and moisture content.

Textbooks

Reference books:

Hillel D. Environmental Soil Physics: Fundamentals, Applications, and Environmental Considerations. Academic Press, 1998
Jury WA & Horton R. Soil Physics. John Wiley, 2004
Warrick AW. Soil Water Dynamics. Oxford, 2003

SOIL3006

Field and Laboratory Pedology

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Cattle **Session:** Semester 1 **Classes:** (2 lec/2hr prac)/wk, 5 days in the field (prior to beginning of February semester). **Prerequisites:** SOIL2004 **Assessment:** One 3hr exam, field report, lab report, presentation.

Note: Department permission required for enrolment.

The soil science specialisation trains people for careers in professional soil science and extension. It provides an excellent background for entry into all aspects of soil science research ranging from physics through mineralogy and chemistry to pedology. Increasing emphasis is being given to aspects of soil sustainability and environmental soil science in order that graduates can meet the growing national demands in this area. The main part of this unit of study is the pedological characterization of a number of contrasting soil profiles sampled during the pre-semester field trip. This 5 day field-trip begins 10 days before the beginning of the February semester and involves the study and sampling of soil through central and northern NSW. Students become acquainted with soil types in a variety of landscape, geologic, climatic and land use settings and develop an understanding of the importance of different soil parent materials. Linkages are made between soil formation processes and resultant soil properties, and the role of soil in various environmental and agricultural ecosystems. Field skills acquired during this trip include a proficiency in soil profile description and an ability to classify soil type according to the Australian Soil Classification scheme. Laboratory analyses of soil samples collected during the field trip include particle-size analysis and extraction of fine-sand fraction for optical identification and quantification of the mineral species present. X-Ray diffraction is used to identify the clay minerals and elucidate mineralogical transformations in these samples. Scanning electron microscopy is also used to examine surface features and mineral composition. Thin sections of some typical NSW soil types are examined and the main features are identified and quantified. The data from these micromorphological investigations are used to provide an understanding of the pedogenesis of soil profiles in specific locations. The lecture series for this unit of study focuses on the main soil-forming (pedogenetic) processes operating both in Australia and abroad. Rock and soil mineral transformations and mechanisms for soil horizon development are addressed. Case studies and recent pedological research publications are used to highlight these topics. A detailed study, including exercises, is also made of two main international soil classification schemes, Soil Taxonomy and the World Reference Base for Soil Resources (WRB), and the Australian Soil Classification system.

Textbooks

Reference books:

Buol S, Walker M, Southard R. Soil Genesis and Classification. Iowa State University, 2003
Isbell R. The Australian Soil Classification. CSIRO, 1996
Jenny H. Factors of Soil Formation: A System of Quantitative Pedology. Dover, 1994
McKenzie N, Jacquier D, Isbell R & Brown K. Australian Soils and Landscapes. CSIRO, 2004
Van Breeman, N & Buurman, P. Soil Formation. 2nd Edition. Kluwer Academic, 2002
Young A & Young R. Soils in the Australian Landscape. Oxford University Press, 2001

SOIL3007**Environmental Soil Chemistry**

Credit points: 6 **Teacher/Coordinator:** Dr Balwant Singh **Session:** Semester 2 **Classes:** (2 lec, 3hr prac)/wk (wks1-13). **Prerequisites:** SOIL2004 **Assessment:** One 3hr exam, 4 lab reports and one oral presentation on a given topic.

Note: Department permission required for enrolment.

The main objective of the unit is to develop an understanding of the common chemical properties and processes in soil environment. By the end of this unit of study, students will become familiar with soil chemical composition and develop skills in describing chemical processes in soil environment. They will be able to measure various chemical properties of soil and soil solution in the laboratory; and perform chemical speciation of ions in soil solution. Students will also learn to work in a team environment and develop communication and writing skills. Syllabus summary: The lecture topics include- the structure and chemistry of inorganic components in soil, surface charge of soil minerals, chemistry and general properties of soil organic matter, important functional groups of soil organic matter, role of organic matter in soil, cation exchange in soil, selectivity of cations on soil colloids, cation exchange reactions and selectivity coefficients, adsorption reactions of environmentally important ions, surface functional groups, adsorption isotherms, equilibrium based adsorption models, point of zero charge, diffuse double layer-theory and models, surface complexation models, soil solution-importance, methods of obtaining soil solutions, models to determine activity coefficients, speciation, dissolution and solubility processes in soil environment, soil chemical equilibria, geochemical speciation models and redox chemistry of soil.

Textbooks

Evangelou VP, Environmental Soil and Water Chemistry: John Wiley & Sons, New York, 1998
Lindsay WL, Chemical Equilibria in Soils. John Wiley & Sons, New York, 1979
M McBride MB, Environmental Chemistry of Soils. Oxford University Press, New York, 1994.
Sparks DL, Environmental Soil Chemistry. Second Edition, Academic Press, San Diego, 2003
Sposito G, The Chemistry of Soils. Oxford University Press, New York, 1989

SOIL3008**Rural Spatial Information Systems**

Credit points: 6 **Teacher/Coordinator:** Dr Odeh **Session:** Semester 2 **Classes:** 2 lec & 2hr prac/wk (wks 1-13), four-day field trip in AVCC common break **Assessment:** One 2 hr exam, field excursion and lab prac reports, presentation and essay topic

The lecture material will present several themes: i) Principles of Geographical Information Science (GISc): brief history of GISc, ontology and epistemology of spatial phenomena, basic Geographical Information Systems (GIS) structure, coordinate systems and map projections and datums; ii) Fundamentals of remote sensing and geo-image analysis; iii) Geospatial data sources and acquisition methods, including existing maps and their digitisation, remote sensing images, digital elevation models (DEM) and global positioning systems (GPSs); iv) Processing of geospatial data: spatial data in the computer, building and accessing an entity in the database and continuous fields, data analysis using entities and continuous fields for decision support, etc.; v) Spatial statistics: quality of spatial data, spatial analysis of geospatial data, geostatistics, introduction to spatial-temporal modelling. Software packages for geographical information systems will be reviewed. Practical exercises will focus on applications to land-cover assessment, subcatchment and regional hydrology, and soil quality assessment for decisions regarding sustainable rural land use planning and management. Two of the 4 days of the mid-Semester field excursion will be spent in Canberra visiting various government agencies which research and maintain GIS coverages of major rural environments. The remaining fieldwork will be at University farms at Camden or Arthursleigh, and will involve training in the field use of low and high- resolution GPS for geo-rectification, for ground truthing satellite-derived land cover maps and for the creation of digital elevation models and landform attributes.

Textbooks

Burrough PA, McDonnell RA. Principles of Geographic Information Systems. Oxford University Press, 2000
Clarke KC. Getting started with geographic information systems. Prentice Hall, 2003.
Lillesand T, Kiefer RW. Remote Sensing and Image Interpretation. John Wiley & Sons Inc. 1999.

Soil Science Honours

The honours program consists of several parts:(i) supplementary lectures and seminars;(ii) topics of study selected from Agricultural Chemistry, Biometry, Botany, Geology, Physical Chemistry, Mathematics, Soil Mechanics, Soil Microbiology, etc;(iii) a small amount of field work performed under direction; and(iv) a project in one branch of soil science.

Anatomy and Histology

The Department of Anatomy and Histology teaches topographical and neuroanatomy, histology and cell biology, developmental biology and physical anthropology to students in the Faculties of Science, Medicine and Dentistry.

Location

The Department is in the Anderson Stuart Building. The Department Office is on the first floor, Room S463.

Noticeboards

The noticeboards are situated near Rooms W225, S431 and S463. Students are advised to consult the noticeboard regularly. Timetables for lectures and practical classes will be posted, where possible, in the week before the beginning of each semester.

Advice on units of study and enrolment

Students wishing to enrol in units of study in Anatomy and Histology must consult the Departmental advisers in the Enrolment Centre during re-enrolment week prior to enrolling in the units of study. Information will be available at this time on the units of study offered by the Department and on the advisability of various combinations of subjects.

Registration

All students should register with the Department. Please consult the Departmental noticeboards for details.

Vaccinations

All students studying gross anatomy or neurosciences who may also be exposed to human tissues or fluids should contact the University Health Service regarding vaccinations.

Protective Clothing

All students studying gross anatomy or neurosciences must wear a laboratory coat or gown in tutorial rooms and a gown in dissection rooms and must wear gloves when handling cadaveric material.

Web-site

The Department's website is located at <http://www.anatomy.usyd.edu.au/>.

ANAT2008**Principles of Histology**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Maria Byrne **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week; on-line and museum exercises (6 hours per week total) **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology **Prohibitions:** ANAT2001 **Assumed knowledge:** General concepts in human biology **Assessment:** One 1 hour theory exam, one 1 hour practical exam, four quizzes

This unit of study covers the principles of cell biology and study of the structure of cells, tissues and organ systems at the light and electron microscopic levels. The focus is on human systems. Extension exercises introduce students to the connection between histology and anatomy. Modern practical applications of histological techniques and analysis for research are also presented.

Textbooks

Ross, MH and Paulina W. 2006 Histology-A Text and Atlas. 5th Edition, Lippincott Williams and Wilkins, New York

ANAT2009**Comparative Primate Anatomy**

Credit points: 6 **Teacher/Coordinator:** Dr Denise Donlon **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week; museum project. **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology or Junior Archaeology. **Prohibitions:** ANAT2002 **Assumed knowledge:** Knowledge of basic vertebrate biology **Assessment:** One 1 hour theory exam, one 30 min prac exam, two quizzes, one 2000 word essay

This unit of student covers the musculo-skeletal anatomy of the human body with particular emphasis on human evolution and comparisons with apes and fossil hominids. The topics covered include the versatility of the human hand, in manipulation and locomotion, bipedalism, climbing and brachiation in apes, and the change in pelvic anatomy associated with bipedalism and obstetric consequences.

Textbooks

Kapit, W. and Elson, L.M. The Anatomy Coloring Book. Addison-Wesley. 2001
Reference books:

Aiello, L and Dean, C. An Introduction to Human Evolutionary Anatomy. Academic Press 1990.

Zilman, A.L. The Human Evolution Coloring Book. Barnes and Noble, Sydney. 1982

ANAT2010**Concepts of Neuroanatomy**

Credit points: 6 **Teacher/Coordinator:** Dr Karen Cullen **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** BIOL (1001 or 1901) and one of: BIOL (1002 or 1902 or 1003 or 1903) or PSYC (1001 and 1002). **Prohibitions:** ANAT2003 **Assumed knowledge:** Background in basic mammalian biology. **Assessment:** One 1.5 hour theory exam, one 1 hour practical exam, 2000 word essay, practical reports

Students are introduced to the structure and organisation of the central and peripheral nervous system. The course begins with an exploration into the make-up of the individual cells, followed by an examination of the different regions of the nervous system. A final theme of the course touches on the organisation of various systems (sensory and motor), together with aspects of higher-order function (memory). In essence, the course covers general concepts of organisation, structure and function of the brain and its different areas. The practicals offer students the unique opportunity to examine specimens in the Anatomy labs and museum. This course will be of considerable interest to students studying science and related disciplines, as well as those wishing to pursue further study in Neuroscience at senior levels.

Textbooks

Bear, M.F., B.W. Connors, M.A. Paradiso. Neuroscience: Exploring the Brain (second edition), Williams and Wilkins (2001).

ANAT3004**Cranial and Cervical Anatomy**

Credit points: 6 **Teacher/Coordinator:** Dr Robin Arnold **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3-4 hour tutorial per week. **Prerequisites:** ANAT2002 or ANAT2009 or BMED2803 or BMED2804 or BMED2805 or BMED2806 **Prohibitions:** ANAT3005 **Assumed knowledge:** General knowledge of biology. **Assessment:** One 1.5 hour theory exam, one 1 hour prac exam, one 2500 word essay, continuous assessment (10%)

Note: The completion of 6 credit points of MBLG is highly recommended.

This unit of study covers skull, muscles of facial expression, muscles of jaw and neck, ear, eye, nose, oral cavity and larynx and pharynx as well as peripheral distribution of cranial nerves in the head and neck. The functional components of the cranial nerves and their relationship to the special senses and special motor functions such as facial gesture and speech are also studied. Tutorials are designed to encourage students to develop their own approach to the understanding and organisation of subject material. Communication of key concepts and presentation of subject material in an academic context are encouraged and assessed in a major assignment.

Textbooks

Mackinnon and Morris. Oxford Textbook of Functional Anatomy, Vol 3: Head & Neck. Oxford University Press. 1990

An anatomy atlas such as Rohan, Yokochi and Lutjen-drecoll, Color Atlas of Human Anatomy.

ANAT3006**Forensic Osteology**

Credit points: 6 **Teacher/Coordinator:** Dr Denise Donlon **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 2 hour tutorial and one 1 hour practical per week. **Prerequisites:** Credit in ANAT2009 or Credit in ANAT2002 (for students who completed Intermediate study before 2005) **Assumed knowledge:** An understanding of basic human musculoskeletal anatomy. **Assessment:** One 1 hour theory exam, one 30 min. prac exam, continuous assessment, case study

Note: The completion of 6 credit points of MBLG is highly recommended.

This unit of study aims to introduce students to the area of forensic osteology, which is the study of human skeletal remains within the legal context. Thus the unit of study aims to help students learn about human morphology and variation through the investigation and identification of human bones. It will also help students gain skills in observation and rigorous record taking and in analysis and interpretation. Production of case reports and practice in acting as 'expert witness' will improve students written and oral skills. An additional objective will be to assist students in learning to deal with legal and ethical issues.

Textbooks

White, T. & Folkens, P. 2005 Human Bone Manual, Elsevier.

ANAT3007**Visceral Anatomy**

Credit points: 6 **Teacher/Coordinator:** Dr Robin Arnold **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3-4 hour practical per week. **Prerequisites:** ANAT2009 or ANAT2010 **Assumed knowledge:** General knowledge of biology. **Assessment:** One 1.5 hour theory exam, one 1 hour prac exam, one 1200 word essay

This unit of study aims to provide an understanding of the anatomy of the viscera of the thorax, abdomen and pelvis. Structures covered include the heart and associated great vessels, lungs, mediastinum and the abdominal viscera, the alimentary organs and the genitourinary system. The structure of anterior thoracic and abdominal walls and pelvis along with the nerve supply to the viscera and relevant endocrine structures is also covered. Emphasis is placed on the relationship of structure to function especially with respect to the important functions of breathing, digestion, excretion and reproduction. Students will also be encouraged to relate their understanding of the structures studied to current research into these structures in related fields such as molecular biology and physiology.

Textbooks

Rohan, Yokochi and Lutjen-drecoll. Color Atlas of Human Anatomy.

ANAT3008**Musculoskeletal Anatomy**

Credit points: 6 **Teacher/Coordinator:** Dr Richard Ward **Session:** Semester 2 **Classes:** Two 1 hour lectures, two 2 hour tutorial/practical per week. **Prerequisites:** ANAT2009 or ANAT2002 (for students who completed Intermediate study before 2005) or BMED2803 or BMED2804 or BMED2805 or BMED2806 **Prohibitions:** ANAT3005 **Assumed knowledge:** Some knowledge of basic mammalian biology **Assessment:** One assignment, one 1 hour prac exam, one 1.5 hour theory exam.

The unit provides an opportunity for students to study the topographical and systems anatomy of the upper limb, lower limb and the back regions. Emphasis is placed upon the identification and description of structures and the correlation of structure with function. This includes for the upper limb, its role in manipulation, for the lower limb standing and walking and for the back flexible support and protection. Emphasis is also given to the innervation of the limbs. The unit also aims to develop the general skills of observation, description, drawing, writing and discussion as applying to biological structure.

EMHU3001**Electron Microscopy and Imaging/Theory**

Credit points: 6 **Teacher/Coordinator:** Dr Anne Swan and Dr Alan Jones **Session:** Semester 2 **Classes:** Four 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** At least 12 cp of Intermediate Science units from any of the following: Anatomy & Histology, Biochemistry, Biology, Chemistry, Mathematics, Microbiology, Molecular Biology & Genetics, Pharmacology, Physics, Physiology or Statistics. For BMedSc students: either 36 cp of Intermediate units including BMed (2501, 2503 & 2505) or 42 cp of BMed

Intermediate units including (2801, 2802, 2803 & 2806) **Assumed knowledge:** General concepts in Biology, and in Biochemistry or in Chemistry. **Assessment:** Two 1 hour exams, theoretical research assignment as a PowerPoint (TM) submission and protocol.

The course is run conjointly by the Department of Anatomy and Histology and the Electron Microscope Unit. The course will focus on the theoretical aspects of transmission and scanning electron microscopy, the preparation of biological samples for electron microscopy, digital imaging, and freeze-fracture. Immunological and other techniques required in modern research and hospital electron microscope laboratories will also be covered. Students will also receive theoretical training in laser scanning confocal microscopy including the use of fluorescent probes to visualize cellular organelles and cellular processes. Students will undertake a theoretical research project of their choice which is of relevance to the course.

Textbooks

Bozzola JJ and Russell LD. Electron Microscopy. 2nd Edn. Jones and Bartlett, Publishers. 1999.

Reference book: John C. Russ. The Image Processing Handbook. 3rd Edn, CRC Press, 1998.

EMHU3002

Electron Microscopy and Imaging/Prac

Credit points: 6 **Teacher/Coordinator:** Dr Anne Swan and Dr Alan Jones **Session:** Semester 2 **Classes:** Two 2 hour practicals and one 1 hour tutorial per week. **Prerequisites:** 12 cp as follows: 6 cp from ANAT2008 OR 4 cp from ANAT2001 plus at least 6 cp OR 8 cp respectively of Intermediate Science units of study. For BMedSci: Either 36 credit points of intermediate units including BMed (2501, 2503 & 2505) or 42 credit points of BMed Intermediate units including BMed (2801, 2802, 2803 & 2806) **Corequisites:** EMHU3001 **Assumed knowledge:** General concepts in Biology, Histology and in Biochemistry or in Chemistry. **Assessment:** Two 1 hour exams, practical reports, practical project assignment by PowerPoint (TM) submission and presentation (10 min).

The course is run conjointly by the Department of Anatomy & Histology and the Electron Microscope Unit. The course will provide hands-on training in the operation of transmission and scanning electron microscopes, processing biological samples for electron microscopy, ultrathin sectioning, cryo-ultramicrotomy, freeze-fracture, electron diffraction, digital imaging, immunological and other techniques required in modern research and hospital electron microscope laboratories. Students will also learn the operation of laser scanning confocal microscopes, including the use of fluorescent probes to visualize cellular organelles and cellular processes. Students will apply their knowledge to complete a project of their choice on electron microscopy of a biological sample, from fixation of the sample to interpretation of the resulting electron micrographs.

Textbooks

Bozzola JJ and Russell LD. Electron Microscopy. 2nd Edn. Jones and Bartlett, Publishers. 1999.

HSTO3001

Microscopy & Histochemistry Theory

Credit points: 6 **Teacher/Coordinator:** Robin Arnold, Prof. Chris Murphy **Session:** Semester 1 **Classes:** Usually four 1 hour lectures per week plus some tutorials **Prerequisites:** (ANAT2008 or ANAT2001) or (BMED 2803 or 2804 or 2805 or 2806) **Corequisites:** HSTO3002 **Assumed knowledge:** Basic understanding of biology. **Assessment:** One 2 hour theory exam.

The aims of this unit of study are to provide a theoretical understanding of why biological tissues need to be specifically prepared for microscopic examination, how differing methods yield different types of morphological information; to allow students to study the theory of different types & modalities of microscopes, how they function & the differing information they provide; to develop an understanding of the theory of why biological material needs to be stained for microscopic examination; to allow students to understand how biological material becomes stained; to develop an understanding of the chemical information provided by biological staining - dyes, enzymes & antibodies.

Textbooks

Keirnan, J.A. Histological & Histochemical Methods 3rd Edition, 1999, Butterworth-Heinemann.

HSTO3002

Microscopy & Histochemistry Practical

Credit points: 6 **Teacher/Coordinator:** Robin Arnold, Prof. Chris Murphy **Session:** Semester 1 **Classes:** Usually 5.5 hours practical per week **Prerequisites:** (ANAT2008 or ANAT2001) or (BMED 2803 or 2804 or 2805 or 2806) **Corequisites:** HSTO3001 **Assumed knowledge:** Basic understanding of biology. **Assessment:** One 1.5 hour practical exam, 1 practical report, essay.

The aims of this unit of study are to provide a practical understanding of why biological tissues need to be specifically prepared for microscopic examination, to apply different methods to gain different types of morphological information; to allow students to learn to use the different types & modalities of microscopes: to gain first hand experience of how they function & see for themselves the differing information they provide; to learn to stain biological material for microscopic examination; applying their theoretical knowledge & to allow students to develop practical skills in diverse histochemical staining procedures - dyes, enzymes & antibodies.

Textbooks

Keirnan, J.A. Histological & Histochemical Methods 3rd Edition, 1999, Butterworth-Heinemann.

HSTO3003

Cells and Development: Theory

Credit points: 6 **Teacher/Coordinator:** Dr Frank Lovicu **Session:** Semester 2 **Classes:** Four 1 hour theory lectures and one 1 hour tutorial per week. **Prerequisites:** For BSc students: ANAT2008 or ANAT2001 For BMedSc students: 42 credit points of Intermediate BMED units, including: BMED2801, 2802, 2805. **Prohibitions:** ANAT3002, EMHU3001, EMHU3002 **Assumed knowledge:** (i) An understanding of the basic structure of vertebrates; (ii) An understanding of elementary biochemistry and genetics. **Assessment:** One 2 hour exam, tutorial research papers.

Note: The completion of 6 credit points of MBLG is highly recommended.

The main emphasis of this unit of study concerns the mechanisms that control animal development. Fertilization, cleavage, gastrulation and the formation of the primary germ layers are described in a range of animals, mainly vertebrates. Much of the emphasis will be placed on the parts played by inductive cell and tissue interactions in cell and tissue differentiation, morphogenesis and pattern formation. This will be studied at both cellular and molecular levels.

Textbooks

Gilbert SF. Developmental Biology. (8th edn) Sinauer Associates Inc: Sunderland, Mass. 2006.

HSTO3004

Cells and Development: Practical (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Frank Lovicu **Session:** Semester 2 **Classes:** One 1 hour tutorial and two 2 hour practicals per week. **Prerequisites:** Note: This advanced unit of study is only available to select students who have achieved a mark of 65 or above in the following prerequisite units of study. For BSc students: ANAT2008 or ANAT2001. For BMedSc students: 42 credit points of Intermediate BMED units, including: BMED2801, 2802, 2805. **Corequisites:** HSTO3003 **Prohibitions:** ANAT3002, EMHU3001, EMHU3002 **Assessment:** One 1 hour exam, Practical class reports.

Note: The completion of 6 credit points of MBLG is highly recommended.

This advanced unit of study complements HSTO3003 (Cells and Development: Theory) and is catered to provide students with laboratory research experience leading to Honours and higher degrees. It will primarily cover the design and application of experimental procedures involved in cell and developmental biology, using appropriate molecular and cellular techniques to answer developmental questions raised in HSTO3003. This unit of study will promote hands on experience with different animal models, allowing students to observe and examine developing and differentiating tissues at the macroscopic and microscopic level. The main emphasis of this unit of study will concentrate on practical approaches to understanding the mechanisms that control animal development. Fertilization, cleavage, gastrulation and the formation of the primary germ layers are covered. The parts played by inductive cell and tissue interactions in differentiation, morphogenesis and pattern formation are examined at cellular and molecular levels. Note that for some weeks of the course, specialised practical classes will be carried out at the Westmead campus.

Textbooks

Gilbert SF. Developmental Biology. (8th edn) Sinauer Associates Inc: Sunderland, Mass. 2006.

NEUR3002

Neuroscience: Motor Systems & Behaviour

Credit points: 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. **Prerequisites:** For BMedSc students: BMED(2801 or 2503) and BMED(2806 or 2505) For other students: (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** PHSI3001, NEUR3902 **Assumed knowledge:** It is strongly recommended that students also take unit NEUR3001. ANAT2010 and PHSI2005 is assumed knowledge. **Assessment:** Two 1 hour exams, one prac report, tutorial papers, 2000 word essay.

The aim of this course is to provide students with an introduction to the structure and function of the nervous system. Our current knowledge of how the brain works is based on the analysis of the normal structure of the nervous system and its pathways, the functional effects of lesions and neurological diseases in different parts of the nervous system, and the way that nerve cells work at the molecular, cellular and integrative level. This course focuses on to the neural circuits and the mechanisms that control somatic and autonomic motor systems, motivated behaviours, emotions, and other higher order functions. The lecture series addresses the different topics, each of which offers special insight into the function of the nervous system in health and disease.

Textbooks

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000 or Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001
The Human Brain. Nolte. 4th Ed, C.V. Mosby Co., St Louis, Washington D.C., Toronto, 1999

NEUR3902

Neuroscience: Motor Systems & Behav. Adv

Credit points: 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. Advanced students may be exempt from attending some of these classes to permit meetings with supervisor. **Prerequisites:** For BMedSc students: Credit average in BMED(2801 or 2503) and BMED(2806 or 2505) For other students: Credit average in (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** NEUR3002, PHSI3001 **Assumed knowledge:** ANAT2010 and PHSI2005 is assumed knowledge. **Assessment:** Two 1 hour exams, one prac report, tutorial papers, one research or library essay (research essay will replace some other assessment items from regular course).

Note: Permission from the coordinators is required for entry into this course. It is strongly recommended that students also take unit NEUR3001 or NEUR3901.

This unit of study is an extension of NEUR3002 for talented students with an interest in Neuroscience and research in this field. The lecture/practical component of the course is run in conjunction with NEUR3002. The aim of this course is to provide students with an introduction to the structure and function of the nervous system. Our current knowledge of how the brain works is based on the analysis of the normal structure of the nervous system and its pathways, the functional effects of lesions and neurological diseases in different parts of the nervous system, and the way that nerve cells work at the molecular, cellular and integrative level. This course focuses on to the neural circuits and the mechanisms that control somatic and autonomic motor systems, motivated behaviours, emotions, and other higher order functions. The lecture series addresses the different topics, each of which offers special insight into the function of the nervous system in health and disease.

Textbooks

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000 or Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001
The Human Brain. Nolte. 4th Ed, C.V. Mosby Co., St Louis, Washington D.C., Toronto, 1999

NEUR3004

Integrative Neuroscience

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** One 0-1 hour lecture, one 2 hour tutorial plus 1-2 small meeting/laboratory per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of

Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics. **Prohibitions:** NEUR3904, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One 1 hour exam. Major essay/report. Tutorial participation.

Note: Enrolment in NEUR3003/3903 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.

This second semester unit is designed to introduce students to "cutting edge" issues in the neurosciences and to be taken in conjunction with NEUR3003/3903. This course is a combination of small group lectures on current issues in neuroscience, seminar groups and a research-based laboratory or library project. Seminars will be held on topics including imaging pain, emotions, cortical development & plasticity, colour vision, stroke and hypertension, long-term regulation of blood pressure, auditory hallucinations and the "cocktail party effect".

Textbooks

Kandel, Schwartz and Jessell "Principles of Neural Science" 4th edition.

NEUR3904

Integrative Neuroscience (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** One 1 hour lecture, one 2 hour tutorial and 1-2 hour small meeting/laboratory per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics. Plus, students must have a CREDIT (or better) in NEUR3001/3901 and NEUR3002/3902. **Prohibitions:** NEUR3004, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One 1 hour exam. Major essay/report. Tutorial participation. Mini-Lecture.

Note: Department permission required for enrolment.

Note: Enrolment in NEUR3003/3903 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other. Students must receive permission from the coordinators for enrolment.

This unit encompasses the material taught in NEUR3004. Advanced students prepare and present a mini-lecture on a current topic in neuroscience research.

Textbooks

Kandel, Schwartz and Jessell "Principles of Neural Science" 4th edition.

For other NEUR units of study, see the entry under the School of Physiology.

Anatomy and histology Honours and Graduate Diploma

Taking an Honours or Graduate Diploma provides the opportunity for students to do research on a project supervised by a member of staff. Assessment is based on a thesis summarising the results of the year's research, along with additional studies. To qualify for admission to Honours or the Graduate Diploma the student must obtain an appropriate standard in Senior Anatomy or Histology or Neuroscience.

Anatomy and Histology Higher Degrees

The award courses of Master of Science and Doctor of Philosophy by research are offered in the Faculty of Science by the Department of Anatomy and Histology. The department also contributes to the teaching of the Graduate degrees in Applied Science (Neuroscience).

Biochemistry

The discipline teaches Biochemistry and Molecular Biology to Science and Medical Science students at the Junior, Intermediate and Senior levels. This discipline area includes the fundamental principles governing the structure, function and interactions of biological molecules, the nature of genetic material and control of its expression and leads to an understanding of the molecular nature of living systems.

Junior program

The Junior program has the introductory faculty Unit of Study Molecular Biology & Genetics Intro (MBLG1001).

Intermediate program

The comprehensive Intermediate program in Biochemistry and Molecular Biology includes Protein Biochemistry (BCHM2071/2971), Human Biochemistry (BCHM2072/2972) and the faculty Unit of Study Molecular Biology & Genetics A (MBLG2071/2971). Students wishing to progress to the Senior units of study in Biochemistry and Molecular Biology need to have completed MBLG1001 and 12 CP of Intermediate BCHM/MBLG Units of Study.

Senior program

The Senior program consists of Molecular Biology & Biochemistry - Genes (BCHM3071/3971), Molecular Biology & Biochemistry - Protein (BCHM3081/3981), Human Molecular Cell Biology (BCHM3072/3972), Medical and Metabolic Biochemistry, (BCHM3082/3982), Proteomics and Functional Genomics (BCHM3092/3992). Any four of these units of study constitute a major in Biochemistry. Students seeking further information should consult the relevant Tables in earlier Undergraduate Enrolment Advice chapters.

BCHM2071

Protein Biochemistry

Credit points: 6 **Teacher/Coordinator:** Dr Charles Collyer **Session:** Semester 1 **Classes:** Two 2 hour lectures per week, one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 12 credit points of Junior Chemistry plus MBLG1001 **Corequisites:** Recommended concurrent units of study: intermediate MBLG for progression to Senior Biochemistry, and/or Intermediate Chemistry. **Prohibitions:** BCHM2011, BCHM2971 **Assumed knowledge:** CHEM (1101 and 1102) **Assessment:** One 2 hour theory and theory of practical exam, two prac reports.

This unit of study introduces biochemistry by describing the physical and chemical activities of proteins and their functions in cells. The details of protein interactions with other cellular components are presented and the relationship of protein structure and function is discussed. Techniques in protein chemistry and analysis, including proteomics are introduced together with key experiments which reveal the physical basis of the functioning of proteins. This course builds on the protein science presented in MBLG1001 and is ideally suited to students studying intermediate Chemistry together with Biochemistry. The practical course will nurture technical skills in biochemistry and will include protein preparation, the analysis of protein structure and enzymatic assays.

Textbooks

C.W. Pratt & K. Cornely, Essential Biochemistry (John Wiley & Sons, 2004) and the Resource Manual for Biochemistry 2 Practical Sessions, Sem 1

BCHM2971

Protein Biochemistry (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Charles Collyer **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 12 credit points of Junior Chemistry and Distinction in MBLG1001 **Prohibitions:** BCHM2011, BCHM2071 **Assessment:** One 2 hour theory and theory of practical exam, two prac reports.

This advanced unit of study introduces biochemistry by describing the physical and chemical activities of proteins and their functions in cells. The details of protein interactions with other cellular components are presented and the relationship of protein structure and function is discussed. Techniques in protein chemistry and analysis, including proteomics are discussed together with key experiments which reveal the physical basis of the functioning of proteins. This course builds on the protein science presented in MBLG1001 and is ideally suited to students studying Intermediate Chemistry together with Biochemistry. The advanced practical course will nurture technical skills in protein biochemistry and will include protein preparation, the interpretation of protein structure, enzymatic assays and biochemical analysis.

Textbooks

C.W. Pratt & K. Cornely, Essential Biochemistry (John Wiley & Sons, 2004) and the Resource Manual for Biochemistry 2 Practical Sessions, Sem 1

BCHM2072

Human Biochemistry

Credit points: 6 **Teacher/Coordinator:** A/Prof Gareth Denyer **Session:** Semester 2 **Classes:** 2 lec/wk, 1 tut/fortnight, 4hr prac/fortnight **Prerequisites:** Either MBLG1001 and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 **Prohibitions:** BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112 **Assessment:** One 3 hour exam, practical reports

This unit of study aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage, there is emphasis on the 'whole body' consequences of reactions, pathways and processes at the cellular level. Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilization and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients. Signal Transduction covers how communication across membranes occurs (i.e. via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting. The practical component complements the lectures by exposing students to experiments which investigate the measurement of glucose utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be nurtured by frequent use of computers and problem solving activities. However, student exposure to generic skills will be extended by the introduction of exercises designed to teach oral communication, instruction writing and feedback articulation skills.

BCHM2972

Human Biochemistry (Advanced)

Credit points: 6 **Teacher/Coordinator:** A/Prof Gareth Denyer **Session:** Semester 2 **Classes:** 2 lec/wk, 1 tut/fortnight, 4hr prac/fortnight **Prerequisites:** Distinction in one of (BCHM (2071 or 2971) or MBLG(2071 or 2971)) or (Distinction in MBLG1001 and Distinction average in all other Junior Science Units of Study undertaken). **Prohibitions:** BCHM2072, BCHM2002, BCHM2102, BCHM2902, BCHM2112 **Assessment:** One 3 hour exam, practical reports

This advanced unit aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage, there is emphasis on the 'whole body' consequences of reactions, pathways and processes at the cellular level. Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilization and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients. Signal Transduction covers how communication across membranes occurs (i.e., via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting. The practical component complements the lectures by exposing students to experiments which investigate the measurement of glucose utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be nurtured by frequent use of computers

and problem solving activities. However, student exposure to generic skills will be extended by the introduction of exercise designed to teach oral communication, instruction writing and feedback articulation skills.

BCHM3071

Molecular Biology & Biochemistry- Genes

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Merlin Crossley. **Session:** Semester 1 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3971, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, prac work.

This unit of study is designed to provide a comprehensive coverage of the activity of genes in living organisms, with a focus on eukaryotic and particularly human systems. The lecture component covers the arrangement and structure of genes, how genes are expressed, promoter activity and enhancer action. This leads into discussions on the biochemical basis of differentiation of eukaryotic cells, the molecular basis of imprinting, epigenetics, and the role of RNA in gene expression. Additionally, the course discusses the effects of damage to the genome and mechanisms of DNA repair. The modern techniques for manipulating and analysing macromolecules such as DNA and proteins and their relevance to medical and biotechnological applications are discussed. Techniques such as the generation of gene knockout and transgenic mice are discussed as well as genomic methods of analysing gene expression patterns. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of genes within the human genome. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology laboratories.

Textbooks

Lewin B Essential Genes (Prentice-Hall, 2006).

BCHM3971

Molecular Biology & Biochem- Genes (Adv)

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Merlin Crossley **Session:** Semester 1 **Classes:** Two 1 hour lectures per week and one 6 hour practicals per fortnight. **Prerequisites:** MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3071, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, prac work.

This unit of study is designed to provide a comprehensive coverage of the activity of genes in living organisms, with a focus on eukaryotic and particularly human systems. The lecture component covers the arrangement and structure of genes, how genes are expressed, promoter activity and enhancer action. This leads into discussions on the biochemical basis of differentiation of eukaryotic cells, the molecular basis of imprinting, epigenetics, and the role of RNA in gene expression. Additionally, the course discusses the effects of damage to the genome and mechanisms of DNA repair. The modern techniques for manipulating and analysing macromolecules such as DNA and proteins and their relevance to medical and biotechnological applications are discussed. Techniques such as the generation of gene knockout and transgenic mice are discussed as well as genomic methods of analysing gene expression patterns. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of genes within the human genome. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology laboratories. The lecture component of this unit of study is the same as BCHM3071. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

Textbooks

Lewin B Essential Genes (Prentice-Hall, 2006).

BCHM3081

Mol Biology & Biochemistry- Proteins

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Dr Simon Easterbrook-Smith **Session:** Semester 1 **Classes:** Two 2 hour lectures week and one 6 hour practical per fortnight. **Prerequisites:** MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3981, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, prac work.

This unit of study is designed to provide a comprehensive coverage of the functions of proteins in living organisms, with a focus on eukaryotic and particularly human systems. Its lecture component deals with how proteins adopt their biologically active forms, including discussions of protein structure, protein folding and how recombinant DNA technology can be used to design novel proteins with potential medical or biotechnology applications. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of proteins. It also covers physiologically and medically important aspects of proteins in living systems, including the roles of chaperones in protein folding inside cells, the pathological consequences of misfolding of proteins, how proteins are sorted to different cellular compartments and how the biological activities of proteins can be controlled by regulated protein degradation. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology and protein biochemistry laboratories.

Textbooks

Lesk, A Introduction to Protein Science (Oxford University Press, 2004)

BCHM3981

Mol Biology & Biochemistry- Proteins Adv

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Dr Simon Easterbrook-Smith **Session:** Semester 1 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3081, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, prac work.

This unit of study is designed to provide a comprehensive coverage of the functions of proteins in living organisms, with a focus on eukaryotic and particularly human systems. Its lecture component deals with how proteins adopt their biologically active forms, including discussions of protein structure, protein folding and how recombinant DNA technology can be used to design novel proteins with potential medical or biotechnology applications. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of proteins. It also covers physiologically and medically important aspects of proteins in living systems, including the roles of chaperones in protein folding inside cells, the pathological consequences of misfolding of proteins, how proteins are sorted to different cellular compartments and how the biological activities of proteins can be controlled by regulated protein degradation. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology and protein biochemistry laboratories. The lecture component of this unit of study is the same as BCHM3081. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

Textbooks

Lesk, A Introduction to Protein Science (Oxford University Press, 2004)

BCHM3072

Human Molecular Cell Biology

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Iain Campbell **Session:** Semester 2 **Classes:** One 2 hour lecture per week and one 6 hour practical per fortnight. **Prerequisites:** (MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) **Prohibitions:** BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 **Assessment:** One 2.5 hour exam, prac work.

This unit of study will explore the responses of cells to changes in their environment in both health and disease. The lecture course consists of three integrated modules. The first will provide an overview of the role of signalling mechanisms in the control of human cell biology and then focus on cell surface receptors and the downstream signal transduction events that they initiate. The second will examine how cells detect and respond to pathogenic molecular patterns displayed by infectious agents and injured cells by discussing the roles of relevant cell surface receptors, cytokines and signal transduction pathways. The third will consider life, death and differentiation of human cells in response to intra-cellular and extra-cellular signals by discussing the eukaryotic cell cycle under normal and pathological circumstances and programmed cell death in response to abnormal extra-cellular and intra-cellular signals. In all modules emphasis will be placed on the molecular processes involved in human cell biology, how modern molecular and cell biology methods have led to our current understanding of them and the implications of them for pathologies such as cancer. The practical component is designed to complement the lecture course, providing students with experience in a wide range of techniques used in modern molecular cell biology.

Textbooks

Alberts B et al Molecular biology of the cell (4th edition, Garland Science, 2002)

BCHM3972

Human Molecular Cell Biology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Iain Campbell
Session: Semester 2 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3072, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5 hour exam, prac work.

This unit of study will explore the responses of cells to changes in their environment in both health and disease. The lecture course consists of three integrated modules. The first will provide an overview of the role of signalling mechanisms in the control of human cell biology and then focus on cell surface receptors and the downstream signal transduction events that they initiate. The second will examine how cells detect and respond to pathogenic molecular patterns displayed by infectious agents and injured cells by discussing the roles of relevant cell surface receptors, cytokines and signal transduction pathways. The third will consider life, death and differentiation of human cells in response to intra-cellular and extra-cellular signals by discussing the eukaryotic cell cycle under normal and pathological circumstances and programmed cell death in response to abnormal extra-cellular and intra-cellular signals. In all modules emphasis will be placed on the molecular processes involved in human cell biology, how modern molecular and cell biology methods have led to our current understanding of them and the implications of them for pathologies such as cancer. The practical component is designed to complement the lecture course, providing students with experience in a wide range of techniques used in modern molecular cell biology. The lecture component of this unit of study is the same as BCHM3072. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

Textbooks

Alberts B et al Molecular biology of the cell (4th edition, Garland Science, 2002)

BCHM3082

Medical and Metabolic Biochemistry

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Philip Kuchel
Session: Semester 2 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5 hour exam, prac work.

This unit of study will explore the biochemical processes involved in the operation of cells and how they are integrated in tissues and in the whole human body in normal and diseased states. These concepts

will be illustrated by considering whole-body aspects of energy utilization, fat and glycogen storage and their regulation under normal conditions compared to obesity and diabetes. Key concepts that will be discussed include energy balance, regulation of metabolic rate, control of food intake, tissue interactions in fuel selection, the role of adipose tissue and transport of fuel molecules from storage organs and into cells. Particular emphasis will be placed on how the modern concepts of metabolomics, coupled with new methods, including magnetic resonance techniques, molecular biology methods and microarray technologies, as well as studies of the structure and function of enzymes, have led to our current understanding of how metabolic processes are normally integrated and how they become deranged in disease states. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in modern medical and metabolic biochemistry.

BCHM3982

Medical and Metabolic Biochemistry (Adv)

Credit points: 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Philip Kuchel
Session: Semester 2 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3082, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5 hour exam, prac work.

This unit of study will explore the biochemical processes involved in the operation of cells and how they are integrated in tissues and in the whole human body in normal and diseased states. These concepts will be illustrated by considering whole-body aspects of energy utilization, fat and glycogen storage and their regulation under normal conditions compared to obesity and diabetes. Key concepts that will be discussed include energy balance, regulation of metabolic rate, control of food intake, tissue interactions in fuel selection, the role of adipose tissue and transport of fuel molecules from storage organs and into cells. Particular emphasis will be placed on how the modern concepts of metabolomics, coupled with new methods, including magnetic resonance techniques, molecular biology methods and microarray technologies, as well as studies of the structure and function of enzymes, have led to our current understanding of how metabolic processes are normally integrated and how they become deranged in disease states. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in modern medical and metabolic biochemistry. The lecture component of this unit of study is the same as BCHM3082. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

BCHM3092

Proteomics and Functional Genomics

Credit points: 6 **Teacher/Coordinator:** Dr Stuart Cordwell, Mrs Jill Johnston
Session: Semester 2 **Classes:** Two 1 hour lectures per week and one 3 hour practical per week. **Prerequisites:** MBLG1001 and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3992, BCHM3098 **Assessment:** One 2.5 hour exam, prac work.

This unit of study will focus on the high throughput methods for the analysis of gene structure and function (genomics) and the analysis of proteins (proteomics), which are at the forefront of discovery in the biomedical sciences. The course will concentrate on the hierarchy of gene-protein-structure-function through an examination of modern technologies built on the concepts of genomics versus molecular biology, and proteomics versus biochemistry. Technologies to be examined include DNA sequencing, nucleic acid and protein microarrays, two-dimensional gel electrophoresis of proteins, uses of mass spectrometry for high throughput protein identification, isotope tagging for quantitative proteomics, high-performance liquid chromatography, high-throughput functional assays, affinity chromatography and modern methods for database analysis. Particular

emphasis will be placed on how these technologies can provide insight into the molecular basis of changes in cellular function under both physiological and pathological conditions as well as how they can be applied to biotechnology for the discovery of biomarkers, diagnostics, and therapeutics. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in proteomics and genomics.

Textbooks

Liebler, Daniel C. Introduction to proteomics : tools for the new biology (Humana Press, 2002)

BCHM3992

Proteomics and Functional Genomics (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Stuart Cordwell, Mrs Jill Johnston
Session: Semester 2 **Classes:** Two 1 hour lectures per week and one 3 hour practical per fortnight. **Prerequisites:** MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3092, BCHM3098 **Assessment:** One 2.5 hour exam, prac work.

This unit of study will focus on the high throughput methods for the analysis of gene structure and function (genomics) and the analysis of proteins (proteomics) which are at the forefront of discovery in the biomedical sciences. The course will concentrate on the hierarchy of gene-protein-structure-function through an examination of modern technologies built on the concepts of genomics versus molecular biology, and proteomics versus biochemistry. Technologies to be examined include DNA sequencing, nucleic acid and protein microarrays, two-dimensional gel electrophoresis of proteins, uses of mass spectrometry for high throughput protein identification, isotope tagging for quantitative proteomics, high-performance liquid chromatography, high-throughput functional assays, affinity chromatography and modern methods for database analysis. Particular emphasis will be placed on how these technologies can provide insight into the molecular basis of changes in cellular function under both physiological and pathological conditions as well as how they can be applied to biotechnology for the discovery of biomarkers, diagnostics, and therapeutics. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in proteomics and genomics. The lecture component of this unit of study is the same as BCHM3092. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

Textbooks

Liebler, Daniel C. Introduction to proteomics : tools for the new biology (Humana Press, 2002)

Biochemistry Honours

An Honours program of study designed for those wishing to enter research or to undertake work leading to a higher degree is conducted in the fourth year. The program runs from early February until mid-November (mid year entry is not normally available). It provides the opportunity for research on a project supervised by a particular staff member, as well as the study of advanced and developing aspects of Biochemistry. During the year each student is required to write one essay, for which there is a choice of topics. Assessment of the year's work is based largely on the student's performance on the research project, and a written report on the project. During the second semester of the Senior Biochemistry units of study students are invited to apply for permission to enrol in the Honours units of study and are provided with a list of possible research projects.

Honours Research Areas

Potential research topics currently offered to students include: Anticancer drugs: synthesis and mechanism of action; Biochemistry of cellular signal transduction; The causes of diabetes and/or obesity; Chaperones and amyloid formation; X-ray crystallography of proteins and drug DNA complexes; NMR studies of the solution structure of DNA binding proteins; NMR studies of membrane transport and metabolism in cells; Eukaryotic transcription factors; Proteomics; Bioinformatics; Protein structure modeling; Mass

Spectroscopy; Genomics; Molecular biology of humans and yeasts; Gene expression in transgenic mice; Glycaemic index of foods; oligosaccharides in human milk.

Applying for admission to Honours

Students must arrange to speak with potential supervisors. An application form is attached to the list of possible research projects provided to students or is available from the Honours coordinator and they are asked to provide the names of at least four supervisors in order of preference. A decision on the Honours intake is made before Christmas. An attempt is made to assign students to the supervisor of their choice but this will not always be possible. In difficult cases there is further discussion with the student. The usual requirement for acceptance into the Honours program is a pass at the Credit level in 12 credit points of Senior Biochemistry. Additionally, strong students with relevant training (ie. Chemistry, Biology or Medical Sciences) may be admitted by permission of the Head of School. It should be noted that the number of students accepted into the Honours program may be limited because of resource restrictions (eg, availability of a supervisor and/or laboratory space) and that, in the event of there being more applicants than resources will allow, offers will be made on the basis of academic merit. The Honours unit of study codes are listed in the Honours chapter of this Handbook - chapter 12. The Honours year co-ordinator is Dr Easterbrook-Smith

Bioinformatics

Bioinformatics is an interdisciplinary area of science, involving Computer Science, Computational Science, Mathematics, Statistics, and the Life Sciences (ie. biology, medicine, etc). It is responsible for the development and use of computer systems, databases, software, networks, and hardware to solve scientific problems in a wide variety of areas ranging from biology to medicine. Due to its interdisciplinary nature, the BSc (Bioinformatics) degree is composed of units of study that are offered also to students enrolled in other degrees, the general aim being to equip the students enrolled in the BSc (Bioinformatics) degree with knowledge in key areas of relevance to Bioinformatics.

First Year

In the first year of their study, students devote time to units of study offered by the School of Biological Sciences, School of Chemistry, School of Information Technologies, School of Mathematics and Statistics, and School of Molecular and Microbial Biosciences (see Table 1A in chapter 4).

Second Year

In the second and third year of their study, students divide time equally between the Life Sciences and the mathematical, statistical, and computational sciences, choosing units of study from those offered by the School of Biological Sciences, School of Information Technologies, School of Mathematics and Statistics, School of Molecular and Microbial Biosciences, School of Physics, and the Department of Pharmacology (see Table 1A).

Third Year

In the third year of their study, the students are highly recommended to enrol in BIOL3027/3927 (Bioinformatics and Genomics) and BCHM3092/3992 (Proteomics and Functional Genomics). Furthermore, the students complete a unit of study - BINF3101 (Bioinformatics Project) - that is designed specifically to give them an opportunity to do real research, supervised by scientists from the bio-medical disciplines. For further information regarding third year requirements see Table 1A.

BINF3101

Bioinformatics Project

Credit points: 6 **Teacher/Coordinator:** Dr LS Jermin, Dr MA Charleston
Session: Semester 2 **Classes:** 1 hour meeting with supervisor and 7 hours project work per week; 3-4 introductory lectures given by supervisor
Prerequisites: SOFT (2130 or 2830 or 2004 or 2904) and 12 credit points from Intermediate Biology, Biochemistry, Microbiology, Molecular Biology and Genetics and/or Pharmacology **Prohibitions:** COMP3206, BINF3001 **Assumed knowledge:** 12 credit points from Junior units of study in Software Development (SOFT) and/or Computational Science (COSC) **Assessment:** Quality of

proposal (10%), seminar (30%), and report (60%, which includes assessment of the application). The assessment is done at a group level (groups comprise ~4 students) for quality of proposal and seminar, and at the individual level for the report.

This unit of study is building on a real-case scenario involving an IT company and its clients, employers and employees. The client (i.e. a university researcher with an interest in bioinformatics) contacts the company with the aim to obtain a bioinformatics application that will assist him/her in the pursuit of new avenues of research and service provision. Terms of reference are drafted with the project managers (i.e. the academics responsible for the unit of study) of the IT company, and are then presented to a small group of employees (i.e. the students), who design and implement a plan of how to write and deliver the software.

Biological Sciences

Advice on units of study

Members of the Biology staff are normally present among Faculty Advisers during enrolment week. Any student needing advice before enrolling should make an appointment to see a Departmental adviser from the School of Biological Sciences.

Assistance during semester

The offices of Junior year Biology staff are on the 5th floor of Carlaw. The School maintains an excellent website that provides access to resources for students: <http://www.bio.usyd.edu.au/>

Summer School: January-February

The School of Biological Sciences offers some units of study in The Sydney Summer School. Consult The Sydney Summer School website for more information: www.summer.usyd.edu.au

Junior units of study

BIOL1001

Concepts in Biology

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures and one 3 hour practical per week. **Prohibitions:** BIOL1101, BIOL1901 **Assumed knowledge:** No previous knowledge required. Students who have not taken HSC biology are recommended to take the Biology Bridging Course (in February). Students who have completed HSC Biology are advised to enrol in BIOL1101 Ecosystems to Genes rather than BIOL1001. **Assessment:** One 2.5 hour exam, assignments, quizzes

Note: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

Concepts in Biology is an introduction to the major themes of modern biology. Starting with interactions between organisms in biological communities, we move on to introductory cell biology, which particularly emphasises how cells obtain and use energy, followed by the diversity and biology of microorganisms. This leads into an introduction to molecular biology through the role of DNA in protein synthesis and development. The genetics of organisms is then discussed, leading to consideration of theories of evolution and the origins of the diversity of modern organisms.

Textbooks

Knox R B et al. 2005. Biology, 3rd ed. McGraw-Hill

BIOL1101

Biology - Ecosystems to Genes

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 3 hours practical per week. **Prerequisites:** HSC 2-unit Biology or equivalent. **Prohibitions:** BIOL1001, BIOL901 **Assessment:** One 2.5 hour exam, assignments, quizzes.

Note: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

Biology - Ecosystems to Genes builds on a satisfactory prior knowledge of the HSC 2-unit biology course. A brief revision of the basic concepts of the high school course is given. Biology - Ecosystems to Genes builds on the main themes introduced in HSC biology to provide a background to the breadth of biology, including genetics of organisms, theories of evolution and the origins of diversity of modern organisms; diversity of microorganisms, cell biology with

emphasis on how cells obtain and use energy, modern molecular biology and interactions between organisms in biological communities.

Textbooks

Knox R B et al (2005) Biology., 3rd ed., McGraw-Hill

BIOL1901

Biology - Ecosystems to Genes (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 3 hour practical per week. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. **Prohibitions:** BIOL1001, BIOL1101 **Assessment:** One 2.5 hour exam, assignments, quizzes

Note: Department permission required for enrolment .

Note: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

This unit of study shares lectures and practical classes with BIOL1101 but also includes more demanding alternative components of Biology - Ecosystems to Genes.

Textbooks

As for BIOL1101.

BIOL1002

Living Systems

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2 hour practical per week. **Prohibitions:** BIOL1902 **Assumed knowledge:** HSC 2-unit Biology. Students who have not undertaken an HSC biology course are strongly advised to complete a Biology Bridging Course (in February). **Assessment:** One 2.5 hour exam, assignments, quizzes.

Living Systems deals with the biology of organisms, from bacteria to large plants and animals, and emphasises the ways in which they can live in a range of habitats. The importance of energy in living systems, and how elements are used and recycled in biological communities, are described. The unit of study includes lectures and laboratory classes on the physiology of nutrition and growth, basic physiological processes of animals and plants, the ways in which organisms control and integrate their activities, and their reproduction. Finally applications of knowledge of genetics and ecology to practical problems in agriculture and conservation are introduced. It is recommended that BIOL (1001 or 1101 or 1901) be taken before this unit of study. This unit of study, together with BIOL (1001 or 1101 or 1901) provides entry to all Intermediate units of study in biology in the School of Biological Sciences.

Textbooks

Knox R B et al. 2005. Biology, 3rd ed. McGraw-Hill.

BIOL1902

Living Systems (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2 hour practical per week. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. **Prohibitions:** BIOL1002, BIOL1904, BIOL1905 **Assessment:** One 2.5 hour exam, assignments, quizzes, independent project

Note: Department permission required for enrolment .

This unit of study shares lectures and practical classes with BIOL1002 but also includes more demanding alternative components of Living Systems

Textbooks

As for BIOL1002.

BIOL1003

Human Biology

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures per week (3 lectures in weeks 1 and 11) plus 1 hour per lecture of independent study. One 3 hour practical most weeks, plus 6-9 hours HOnline work every three weeks covering online practical activities, prework and homework. **Prohibitions:** BIOL1903, EDUH1016 **Assumed knowledge:** HSC 2-unit Biology. Students who have not taken HSC biology are recommended to take the Biology Bridging Course in February. **Assessment:** One 2.5 hour exam, assignment, poster and quizzes.

This Unit of Study has three main components: lectures, practicals and HOnline activities. The unit of study provides an introduction to human evolution and ecology, cell biology, physiology and anatomy,

through both lectures and practical work. It begins with human evolution, human population dynamics and the impact of people on the environment. The unit of study includes human nutrition, distribution of essential requirements to and from cells, control of body functions and defence mechanisms. After discussion of reproduction and development, it concludes with modern studies and research prospects in biotechnology and human genetics. It is recommended that BIOL (1001 or 1101 or 1901) be taken before this unit of study. Enrolment may be restricted by the availability of places. This unit of study, together with BIOL (1001 or 1101 or 1901), provides entry to Intermediate units of study in Biology, but the content of BIOL (1002 or 1902) is assumed knowledge for BIOL (2011 or 2012) and PLNT (2002 or 2003) and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.

Textbooks

Seeley, RR et al. 2005. Essentials of Anatomy and Physiology. 5th ed., McGraw Hill.

Benjamin, CL et al. 2000. Human Biology. McGraw Hill, (Chapters 19,20,21,22).

BIOL1903

Human Biology (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week (3 lectures in weeks 1 and 11) plus 1 hour per lecture of independent study. One 3 hour laboratory session most weeks, plus 6-9 hours HOnline work every three weeks covering online practical activities, prework and homework.

Prerequisites: UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation.

Prohibitions: BIOL1003, BIOL1904, BIOL1905, EDUH1016 **Assessment:** One 2.5 hour exam, assignment, poster and quizzes

Note: Department permission required for enrolment.

This unit of study is the same as BIOL1003 except for the addition of 3 special seminars from guest speakers, a three hour ethics and bioscience component and three student peer group case study presentations.

Textbooks

As for BIOL1003

Intermediate units of study

Students who wish to take Intermediate Biology units of study should obtain Information for Students Considering Intermediate Biology Units of Study from the School Office (Science Rd Cottage, A10). Students should discuss their preferences, together with the other units of study they propose to study, with a Biology staff member before enrolling. If you are considering going on to study Senior Biology you must satisfy the Intermediate qualifying and prerequisite units of study for the Senior units of study you intend taking. MBLG (2071 or 2971) and MBLG (2072 or 2972) are highly recommended to be taken by Science students in combination with all 6 credit point Intermediate Biology units of study, and are qualifying units for BIOL (3018, 3025, 3026, 3027). Note that MBLG (2071 or 2971) is a prerequisite for students wishing to enrol in MBLG (2072 or 2972). See entry for MBLG 2071, 2971, 2072 and 2972 under the heading Molecular Biology and Genetics. The following eight Intermediate units of study are offered:

Semester 1 units of study

BIOL2011 Invertebrate Zoology, BIOL 2911 Invertebrate Zoology (Advanced), BIOL2016 Cell Biology, BIOL 2916 Cell Biology (Advanced), PLNT2001 Applied Plant Biochemistry, PLNT2901 Applied Plant Biochemistry (Advanced), PLNT2002 Aust Flora: Ecology and Conservation, PLNT2902 Aust Flora: Ecology & Conservation (Adv), ENVI2111 Conservation Biology and Applied Ecology, ENVI2911 Conservation Biology and Applied Ecology (Adv)

Semester 2 units of study

BIOL2012 Vertebrates and their Origins, BIOL2912 Vertebrates and their Origins (Advanced), BIOL2017 Entomology, BIOL2917 Entomology (Advanced), PLNT2003 Plant Form and Function, PLNT2903 Plant Form and Function (Advanced), MBLG2072 Molecular Biology and Genetics B, MBLG2972 Molecular Biology and Genetics B (Advanced)

Note:

Only one component of each of the above listed Intermediate units of study may be credited towards the degree. Qualifying units of study for certain Senior Biology units of study are defined as combinations of 6 credit points of Intermediate Biology units of study (see the Senior unit of study descriptions or Information for Students booklets). For details of PLNT units please refer to the Plant Science entry in this chapter.

BIOL2011

Invertebrate Zoology

Credit points: 6 **Teacher/Coordinator:** Dr E L May **Session:** Semester 1

Classes: Two 1 hour lectures, one 1 hour tutorial and one 2 hour practical per week, or three 1 hour lectures and one 2 hour practicals per week.

Prerequisites: BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics.

Prohibitions: BIOL2911, BIOL2001, BIOL2101, BIOL2901 **Assumed knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. **Assessment:** Mid-semester test, one 2 hour theory exam, one 1.5 hour prac exam, one essay, tutorial work

Note: The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study provides a thorough grounding in the diversity of animals by lectures and detailed laboratory classes, which include dissections and demonstrations of the functional anatomy of invertebrates. The material is presented within the conceptual framework of evolution and the principles and use of phylogeny and classification. Tutorials further explore concepts of phylogeny, animal structure and function, and provide opportunity to develop oral and written communication skills. The unit of study is designed to be taken in conjunction with BIOL2012 Vertebrates and their Origins; the two units of study together provide complete coverage of the diversity of animals at the level of phylum. This unit of study may be taken alone, but when taken with BIOL2012 provides entry into certain Senior Biology units of study.

BIOL2911

Invertebrate Zoology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr E May **Session:** Semester 1

Classes: See BIOL2011 **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics.

These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL2011, BIOL2001, BIOL2101, BIOL2901 **Assumed knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. **Assessment:** See BIOL2011

Note: The completion of 6 credit points of MBLG units of study is highly recommended.

Qualified students will participate in alternative components of BIOL 2011 Invertebrate Zoology. The content and nature of these components may vary from year to year.

Qualified students will participate in alternative components of BIOL 2011 Invertebrate Zoology. The content and nature of these components may vary from year to year.

BIOL2012

Vertebrates and their Origins

Credit points: 6 **Teacher/Coordinator:** Dr E L May **Session:** Semester 2

Classes: Two 1 hour lectures, one 1 hour tutorial and one 2 hour practical per week, or three 1 hour lectures and one 2 hour practical per week; one field trip.

Prerequisites: BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics.

Prohibitions: BIOL2912, BIOL2002, BIOL2102, BIOL2902 **Assumed knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. **Assessment:** Mid-semester test, one 2 hour theory exam, one 1.5 hour prac exam, one assignment, one essay, tutorial work

Note: The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study completes the grounding in the diversity of animals at the level of phylum introduced in BIOL2011 Invertebrate Zoology, by lectures and detailed laboratory classes, which include dissections and demonstrations of the functional anatomy of vertebrates and invertebrate phyla not covered in BIOL2011. Tutorials further explore concepts of phylogeny, animal structure and function, and provide opportunity to develop oral and written communication skills. Students may choose to attend an intensive 3.5 day field trip.

BIOL2912

Vertebrates and their Origins (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr E May **Session:** Semester 2 **Classes:** See BIOL2012 **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL2012, BIOL2002, BIOL2102, BIOL2902 **Assumed knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. **Assessment:** See BIOL2012

Note: The completion of 6 credit points of MBLG units of study is highly recommended.

Qualified students will participate in alternative components of BIOL2012 Vertebrates and their Origins. The content and nature of these components may vary from year to year.

BIOL2016

Cell Biology

Credit points: 6 **Teacher/Coordinator:** Dr Murray Thomson, Dr Jan Marc, A/Prof Robyn Overall, Dr Osu Lilje **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 3 hour practical per week, (wks 1-9). **Prerequisites:** 12 credit points of Junior Biology, or equivalent, e.g. BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Prohibitions:** BIOL2916, BIOL2006, BIOL2106, BIOL2906 **Assessment:** One 3 hour theory exam, one project assignment, one prac report

Note: The completion of MBLG1001 is highly recommended.

This unit of study focuses on contemporary principles in cell biology and development in plant and animals, with emphasis on cellular functions and favouring the molecular perspective. Topics include the structure, function, and evolution of cells and organelles, cellular development and differentiation, and embryonic development. Material covered in lectures is integrated with laboratory classes. The unit of study is designed to complement intermediate Molecular Biology and Genetics units. It leads ideally to various senior units of study in biology, including Plant Growth & Development, Applications of Recombinant DNA Tech, Evolutionary Genetics & Animal Behaviour, Fungal Biology, Animal Physiology, Bioinformatics and Genomics, as well as senior units of study in biochemistry.

Textbooks

Alberts B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002. Molecular Biology of the Cell. 4th Edition. Garland Science
Study Guide BIOL2016/2916 Cell Biology (available from Copy Centre)

BIOL2916

Cell Biology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Murray Thomson, Dr Jan Marc, A/Prof Robyn Overall, Dr Osu Lilje **Session:** Semester 1 **Classes:** Three 1 hour lectures per week and one 3 hour practical per week (weeks 1-9). **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) or MBLG1001 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL2016, BIOL2006, BIOL2106, BIOL2906 **Assessment:** One 3 hour exam, one practical report and one project assignment

Note: The completion of MBLG1001 is highly recommended. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course.

Qualified students will participate in alternative components of BIOL2016 Cell Biology.

Textbooks

As for BIOL2016

BIOL2017

Entomology

Credit points: 6 **Teacher/Coordinator:** Dr Dieter Hochuli **Session:** Semester 2 **Classes:** One 2.5 hour lecture and one 2.5 hour practical per week. **Prerequisites:** 12 credit points of Junior Biology, or equivalent, e.g. BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For BSc (Marine Science) students 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Prohibitions:** BIOL2917, BIOL2007 **Assumed knowledge:** BIOL (2011 or 2911 or 2001 or 2901) **Assessment:** Two hour theory exam, two practical reports, a presentation, review and an insect collection.

A general but comprehensive introduction to Insect Biology, this unit of study develops understanding of the scientific approach to insect structural diversity, identification, life histories, development, physiology, ecology, biogeography, principles of control, toxicology of insecticides and biology of major economic pests in NSW. Practicals give a working knowledge of major orders of insects, economically important species, principles of collection, preservation and identification. Entomological data bases are introduced, and students do a library assignment and make and present a small collection of insects. Project work considers the use of insects in forensic investigations, insect-plant interactions and insects as tools for environmental assessment.

BIOL2917

Entomology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Dieter Hochuli **Session:** Semester 2 **Classes:** One 2.5 hour lecture and one 2.5 hour practical per week. **Prerequisites:** Distinction average in 12 credit points of Junior Biology, or equivalent, e.g. BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1902 or 1003 or 1903) or MBLG1001 or EDUH1016 and 12 credit points of Junior Chemistry. For BSc (Marine Science) students: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL2007, BIOL2017 **Assumed knowledge:** BIOL (2011 or 2911 or 2001 or 2901) **Assessment:** Two hour theory exam, two practical reports, a presentation, review and an insect collection

Qualified students will participate in alternative components of BIOL2017, Entomology. The content and nature of these components may vary from year to year.

Senior units of study

Students proceeding from Intermediate to Senior Biology

Students who intend to proceed from Intermediate to Senior Biology must: (a) obtain Information for Students Considering Senior Biology Units of Study from the School Office (The Cottage, A10 Science Road). This booklet gives detailed synopses of all Senior Biology units of study. (b) discuss their choice with a Biology Staff member before enrolling.

Senior units of study offered: pre-semester 1

BIOL3010 Tropical Wildlife Biology & Management. Pre-Semester 1 intensive, BIOL3017 Fungi in the Environment - Summer Break and Semester 1.

Senior units of study offered: semester 1

BIOL3006 Ecological Methods (MS), BIOL3011 Ecophysiology (MS), BIOL3012 Animal Physiology, BIOL3013 Marine Biology (MS), BIOL3018 Applications of Recombinant DNA Technology, BIOL3027 Bioinformatics and Genomics, PLNT 3003 Systematics & Evolution of Plants. (Plus Advanced versions of the above - BIOL 39xx, PLNT 39xx)

Senior units of study offered: pre-semester 2 intensive

BIOL3008 Marine Field Ecology. Pre-Semester 2 intensive. (MS)BIOL3009 Terrestrial Field Ecology. Pre-Semester 2

intensive. (Plus Advanced versions of the above - BIOL 39xx, PLNT 39xx)

Senior units of study offered: semester 2

BIOL3007 Ecology (MS), BIOL3025 Evolutionary Genetics and Animal Behaviour, BIOL3026 Developmental Genetics, PLNT3002 Plant Growth & Development. (Plus Advanced versions of the above - BIOL 39xx, PLNT 39xx)

Further information

Details of lectures and practical classes are given in the booklet: Information for Students Considering Senior Biology Units of Study. Any combination of units may be chosen subject to timetable and prerequisite constraints. Units of Study are offered subject to student numbers, availability of staff and resources. Quotas exist on Marine Field Ecology, BIOL 3008/3908, and Terrestrial Field Ecology, BIOL 3009/3909. When necessary, selection is based on academic merit. Students majoring in Marine Science must enrol in 24 credit points of Senior Marine Science, including at least 6 credit points of Senior Biology (from those marked MS) and 6 credit points from GEOS units. If these credit points are taken as part of Marine Science they may not be counted towards a Biology major.

Selecting Units of Study

Select your unit of study after checking (a) that you have passed the qualifying units of study stated for each unit of study, and (b) checking your timetable. You are strongly advised to check the most up-to-date information (including details of quotas in Marine modules) in the booklet: Information for Students Considering Senior Biology Units of Study, available from the School Office (The Cottage, A10, Science Road).

Textbooks

A list of textbooks and reference books is provided in the booklet: Information for Students Considering Senior Biology Units of Study.

BIOL3006

Ecological Methods

Credit points: 6 **Teacher/Coordinator:** Dr Clare McArthur (UEO), Dr Dieter Hochuli, A/Prof Ross Coleman. **Session:** Semester 1 **Classes:** Two 1 hour lecture and one 3 hour laboratory per week **Prerequisites:** 12 credit points of intermediate level Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3906, BIOL3023, BIOL3923, MARS3102 **Assumed knowledge:** BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). **Assessment:** One 2 hour exam (40% of assessment), practical assignments (60%; including calculations, reports and reviews)

This unit will consider ecology as a quantitative, experimental and theoretical science. It is concerned with the practical skills and philosophical background required to explore questions and test hypotheses in the real world. Application of ecological methods and theory to practical problems will be integrated throughout the unit of study. Lectures will be on sound philosophical and experimental principles, drawing on real examples for demonstration of concepts, and will be useful as one basis for informed conservation, use and general management of natural populations and habitats. Practical classes will deal with practical methods of determining patterns of distribution and abundance, problems of sampling, estimation of ecological variables, and methods of statistical analysis of field data. Computer simulations and analyses will be used where appropriate.

Textbooks

Dytham, C. 2003. Choosing and using statistics. A biologist's guide, 2nd edition. Blackwell Science, Melbourne; Field, A. 2005. Discovering statistics using SPSS, 2nd edition. SAGE Publications, London. Underwood, A. J. 1997. Experiments in Ecology: their logical design and interpretation using analysis of variance, 1st edition. Cambridge University Press, Cambridge. Quinn, G. P., and M. J. Keough. 2002. Experimental Design and Data Analysis for Biologists, 1st edition. Cambridge University Press, Cambridge.

BIOL3906

Ecological Methods (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Clare McArthur (UEO), Dr Dieter Hochuli, A/Prof Ross Coleman. **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour laboratory per week **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of

Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3006, BIOL3023, BIOL3923, MARS3102 **Assumed knowledge:** BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). **Assessment:** One 2 hour exam (40% of assessment), practical assignments (60%; including calculations, reports and reviews)

This unit has the same objectives as BIOL3006 Ecological Methods, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and assessment will be announced in meetings with students in week 1 of semester 1. This unit of study may be taken as part of the BSc (Advanced) program.

BIOL3007

Ecology

Credit points: 6 **Teacher/Coordinator:** Prof Christopher Dickman (UEO), Dr Dieter Hochuli, Dr Clare McArthur, Dr Glenda Wardle **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 3 hour laboratory per week **Prerequisites:** 12 credit points of Intermediate Biology; or ENVI2111 or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3907, BIOL3024, BIOL3924, BIOL3040, BIOL3940, BIOL3041, BIOL3941, BIOL3042, BIOL3942, MARS3102 **Assumed knowledge:** Although not prerequisites, knowledge obtained from Ecological Methods (BIOL3006), and Marine Field Ecology (BIOL3008) and/or Terrestrial Field Ecology (BIOL3009), or the associated advanced units (BIOL3906, BIOL3908 and/or BIOL3909), is strongly recommended. **Assessment:** One 2hr exam (40% of assessment), two 1000 word essays (20%), one practical report (25%), and one summary (5%), and one presentation (10%)

This unit explores the dynamics of ecological systems, and considers the interactions between individual organisms and populations, organisms and the environment, and ecological processes. Lectures are grouped around four dominant themes: Interactions, Evolutionary Ecology, The Nature of Communities, and Conservation and Management. Emphasis is placed throughout on the importance of quantitative methods in ecology, including sound planning and experimental designs, and on the role of ecological science in the conservation, management, exploitation and control of populations. Relevant case studies and examples of ecological processes are drawn from marine, freshwater and terrestrial systems, with plants, animals, fungi and other life forms considered as required. Students will have some opportunity to undertake short term ecological projects, and to take part in discussions of important and emerging ideas in the ecological literature.

Textbooks

Ecology: an Australian Perspective (2003) Edited by P. Attiwill and B. Wilson. Oxford University Press.

BIOL3907

Ecology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Prof Christopher Dickman (UEO), Dr Dieter Hochuli, Dr Clare McArthur, Dr Glenda Wardle **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or ENVI2111 or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3007, BIOL3024, BIOL3924, BIOL3040, BIOL3940, BIOL3041, BIOL3941, BIOL3042, BIOL3942, MARS3102 **Assumed knowledge:** Although not prerequisites, knowledge obtained from Ecological Methods (BIOL3006), and Marine Field Ecology (BIOL3008) and/or Terrestrial Field Ecology (BIOL3009), or the associated advanced units (BIOL3906, BIOL3908 and/or BIOL3909), is strongly recommended. Students entering this unit of study should have achieved distinction average. **Assessment:** One 2hr exam (40% of assessment), two 1000 word essays (20%), one practical report (25%) and one summary (5%), one presentation (10%).

This unit has the same objectives as BIOL3007 Ecology, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and

assessment will be announced in meetings with students in week 1 of semester 2. This unit of study may be taken as part of the BSc (Advanced) program.

Textbooks

Ecology: an Australian Perspective (2003) Edited by P. Attiwill and B. Wilson. Oxford University Press.

BIOL3008

Marine Field Ecology

Credit points: 6 **Teacher/Coordinator:** A/Prof Ross Coleman (UEO), Prof Tony Underwood, Dr Gee Chapman **Session:** S2 Intensive **Classes:** One 8 day field course. **Prerequisites:** 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3908, BIOL3040, BIOL3940, BIOL3024, BIOL3924, MARS3102 **Assumed knowledge:** Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly advised. **Assessment:** Discussion groups (10%), research project proposal (10%), biodiversity survey report (20%), data analysis and checking (10%), research project report (50%).

Note: Dates: 2 July 2007 - 9 July 2007

This field course provides a practical introduction to the experimental analysis of marine populations and assemblages. Students gain experience using a range of intertidal sampling techniques and develop a detailed understanding of the logical requirements necessary for manipulative ecological field experiments. No particular mathematical or statistical skills are required for this subject. Group experimental research projects in the field are the focus of the unit during the day, with lectures and discussion groups about the analysis of experimental data and current issues in experimental marine ecology occurring in the evening. *Note:* Successful completion of BIOL 3008/3908 and BIOL3007/3907 is a prerequisite for students wishing to proceed to Honours in Marine Ecology.

Textbooks

No textbook is prescribed but Coastal Marine Ecology of Temperate Australia. eds. Underwood, A.J. & Chapman, M.G. University of New South Wales Press, 1995, provides useful background reading.

BIOL3908

Marine Field Ecology (Advanced)

Credit points: 6 **Teacher/Coordinator:** A/Prof Ross Coleman (UEO), Prof Tony Underwood, Dr Gee Chapman **Session:** S2 Intensive **Classes:** One 8 day field course, four 1 hour tutorials. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3008, BIOL3040, BIOL3940, BIOL3024, BIOL3924, MARS3102 **Assumed knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly advised. **Assessment:** Discussion groups (10%), research project proposal (10%), biodiversity report (20%), data analysis and checking (10%), research project report (50%).

Note: Dates: 2 July 2007 - 9 July 2007

This unit has the same objectives as Marine Field Ecology BIOL3008, and is suitable for students wishing to pursue certain aspects of marine field ecology in a greater depth. Entry is restricted and selection is made from the applicants on the basis of their past performance. Students taking this unit of study will be expected to take part in a number of additional tutorials after the field course on advanced aspects of experimental design and analysis and will be expected to incorporate these advanced skills into their analyses and project reports. This unit may be taken as part of the BSc(Advanced). *Note:* Successful completion of BIOL 3008/3908 and BIOL3007/3907 is a prerequisite for students wishing to proceed to Honours in Marine Ecology.

Textbooks

No textbook is prescribed but Coastal Marine Ecology of Temperate Australia. eds. Underwood, A.J. & Chapman, M.G. University of New South Wales Press, 1995, provides useful background reading.

BIOL3009

Terrestrial Field Ecology

Credit points: 6 **Teacher/Coordinator:** Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur **Session:** S2 Intensive **Classes:** One 6 day field trip held in the pre-semester break (Sunday, July 15 - Friday, July 20) and 4 practical classes during weeks 1-4 in semester

2. **Prerequisites:** 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3909, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924 **Assumed knowledge:** Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).

This field course provides practical experience in the experimental analysis of terrestrial populations and assemblages. Students learn a broad range of ecological sampling techniques and develop a detailed understanding of the logical requirements necessary for manipulative ecological field experiments. The field work incorporates survey techniques for plants, small mammals and invertebrates and thus provides a good background for ecological consulting work. Students attend a week-long field course and participate in a large-scale research project as well as conducting their own research project. Invited experts contribute to the lectures and discussions on issues relating to the ecology, conservation and management of Australia's terrestrial flora and fauna.

BIOL3909

Terrestrial Field Ecology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur **Session:** S2 Intensive **Classes:** 6 day field trip held in the pre-semester break (Sunday, July 15 - Friday, July 20) and 4 practical classes during weeks 1-4 in semester 2. **Prerequisites:** Distinction average in 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3009, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924 **Assumed knowledge:** Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).

Note: Students taking this unit of study will complete an individual research project on a topic negotiated with a member of staff. It is expected that much of the data collection will be completed during the field trip but some extra time may be needed during semester 2.

This unit has the same objectives as BIOL3009 Terrestrial Field Ecology, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and assessment will be announced in meetings with students at the beginning of the unit. This unit of study may be taken as part of the BSc (Advanced) program.

BIOL3010

Tropical Wildlife Biology and Management

Credit points: 6 **Session:** S1 Intensive **Classes:** 5 day Field School, followed by 5 days of classes at Sydney University. **Prerequisites:** 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3910 **Assumed knowledge:** None, although Vertebrates and their Origins would be useful. **Assessment:** One 2 hour exam, one major practical report (2000wd), one 15 min oral presentation, one 1 hour practical exam.

Note: Department permission required for enrolment.

Note: Dates: 11 February - 16 February 2007 Northern Territory followed by tutorials and practical classes at the University of Sydney 19 February - 23 February 2007.

Due to its isolation from the rest of the world and unique evolutionary history, the Australian terrestrial vertebrate fauna (amphibians, reptiles, birds and mammals) is highly unusual, and hence has a lot to offer in the study of evolutionary processes. The rarity of some species and Australia's unusual climate and landforms present special challenges for the management of our native wildlife. This unit of study addresses the evolution, ecology and management of Australia's terrestrial fauna. The subject comprises of a five day field course in the Northern Territory, near Darwin, where students will learn field-based techniques in wildlife management, combined with lectures given by experts in the evolution, ecology and management of wildlife.

BIOL3910**Tropical Wildlife Biol & Management Adv**

Credit points: 6 **Session:** S1 Intensive **Classes:** 5 day Field School followed by 5 days of classes at Sydney University. **Prerequisites:** Distinction average in 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3010 **Assumed knowledge:** None, although Vertebrates and their Origins would be useful. **Assessment:** One 2 hour exam, one major practical report (2000wd), one 15 min oral presentation, one 1 hour practical exam.

Note: Department permission required for enrolment.

Note: Dates: 11 February - 16 February 2007 Northern Territory followed by tutorials and practicals at the University of Sydney 19 February - 23 February 2007.

This unit has the same objectives as BIOL3010 Tropical Wildlife Biology and Management, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and assessment will be announced in meetings with students at the beginning of the unit. This unit of study may be taken as part of the BSc(Advanced) program.

BIOL3011**Ecophysiology**

Credit points: 6 **Teacher/Coordinator:** Dr Seebacher **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3911 **Assumed knowledge:** BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903). **Assessment:** One 1.5 hour exam, field trip seminar, laboratory report.

Note: The completion of 6 credit points of MBLG units is highly recommended.

Ecophysiology is a conceptually based unit of study that covers physiological interactions between organisms and their environments. The importance of environmental parameters, such as temperature, water, salt and pH, for biological functions, are investigated. Physiological interactions among animals, plants and fungi are discussed. Examples will have an emphasis on vertebrates and marine organisms. As part of the practical component, students design their own research project to be conducted during the week-end long field trip, and during self-directed laboratory sessions.

BIOL3911**Ecophysiology (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Dr Seebacher **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3011 **Assumed knowledge:** BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903) **Assessment:** One 1.5 hour exam, field trip seminar, independent project report.

Note: The completion of 6 credit points of MBLG units is highly recommended.

Ecophysiology (Advanced) shares the same lectures as BIOL 3011 Ecophysiology, but it includes an independent project in place of the laboratory report (equivalent of 30% of Ecophysiology). The content and nature of the independent project vary and students are encouraged to design their own project.

BIOL3012**Animal Physiology**

Credit points: 6 **Teacher/Coordinator:** Dr M Thomson **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 4 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2016 or 2006 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). **Prohibitions:** BIOL3912 **Assessment:** One 1.5 hour exam, laboratory/library reports.

Note: The completion of 6 credit points of MBLG units is highly recommended.

In this unit of study students explore how animals physiology is influenced by environmental factors. There is a strong emphasis on how modern research is expanding the field of physiology throughout

a diverse array of vertebrates and invertebrate. The unit is designed to complement Ecophysiology. Particular emphasis will be placed on nutrition, animal behaviour, energy metabolism, respiration, endocrinology and neurobiology.

BIOL3912**Animal Physiology (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Dr M Thomson **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2006 or 2016 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3012 **Assessment:** One 1.5 hour exam, laboratory reports, independent project report.

Note: The completion of 6 credit points of MBLG units is highly recommended.

Animal Physiology (Advanced) shares the same lectures as Animal Physiology, but it includes an independent project in place of one or more components of the laboratory classes to the equivalent of 30% of Animal Physiology. The content and nature of the independent project may vary from year to year.

BIOL3013**Marine Biology**

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lecture and one 4 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3913 **Assumed knowledge:** MARS2006 **Assessment:** Practical reports, paper criticisms and other assignments

Note: The completion of 6 credit points of MBLG units is highly recommended.

We will examine in detail processes which are important for the establishment and maintenance of marine communities. Lectures will expose students to the key ideas, researchers and methodologies within selected fields of marine biology. Laboratory sessions will complement the lectures by providing students with hands-on experience with the organisms and the processes that affect them. Students will develop critical analysis skills while examining the current literature.

BIOL3913**Marine Biology (Advanced)**

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3013 **Assumed knowledge:** MARS2006 **Assessment:** Practical reports, paper criticisms and other assignments.

Note: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will participate in alternative components of the BIOL3103 Marine Biology unit. The content and nature of these components may vary from year to year.

BIOL3017**Fungi in the Environment**

Credit points: 6 **Teacher/Coordinator:** Dr P McGee **Session:** S1 Intensive **Classes:** 40 hours of practicals in a two week intensive program immediately prior to semester one (labs run from 12 February to 23 February 2007), plus the equivalent of 30 hours self-guided study during the semester. **Prerequisites:** 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. **Prohibitions:** BIOL3917 **Assessment:** One 2 hour take home exam, laboratory and written assignments.

Note: The completion of 6 credit points of MBLG units is highly recommended.

The unit emphasises use of research techniques in the laboratory to enable deeper understanding of issues in fungal ecology, environmental and rehabilitation biology, biological control and soil microbiology. Benefits provided by fungi in symbiotic interactions with plants, including mycorrhizal fungi and shoot-borne endophytes. Students will be encouraged to develop a deeper understanding of one area of Fungal Biology through independent study. Part of the learning material will be available on the internet.

BIOL3917**Fungi in the Environment (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Dr P McGee **Session:** S1 Intensive **Classes:** 40 hours of practical work in a two week intensive program immediately prior to semester one (labs run from 12 February to 23 February 2007), plus the equivalent of 30hrs self-guided study during the semester. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. **Prohibitions:** BIOL3017 **Assessment:** One 2 hour take home exam, laboratory and written assignments.

Note: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will be encouraged to develop a research project under supervision. The content and nature of the research will be agreed on with the executive officer.

BIOL3018**Applications of Recombinant DNA Tech**

Credit points: 6 **Teacher/Coordinator:** Dr B Lyon, Prof R Skurray **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; up to 4 hours laboratory per week. **Prerequisites:** 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3918 **Assessment:** One 2 hour exam, practical report, assignment

A unit of study with lectures, practicals and tutorials on the application of recombinant DNA technology and the genetic manipulation of prokaryotic and eukaryotic organisms. Lectures cover the applications of molecular genetics in biotechnology and consider the impact and implications of genetic engineering. Topics include the cloning and expression of foreign genes in bacteria, yeast, animal and plant cells, novel human and animal therapeutics and vaccines including human gene therapy, new diagnostic techniques for human and veterinary disease, the transformation of animal and plant cells, the genetic engineering of animals and plants, and the environmental release of genetically-modified (transgenic) organisms. Practical work may include nucleic acid isolation and manipulation, gene cloning and PCR amplification, DNA sequencing and computer analysis of gene sequences, immunological detection of proteins, and the genetic transformation and assay of plants.

BIOL3918**Applications of Recombinant DNA Tech Adv**

Credit points: 6 **Teacher/Coordinator:** Dr B Lyon **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. **Prohibitions:** BIOL3018 **Assessment:** One 2 hour exam, assignment, seminar

Qualified students will participate in alternative components of BIOL3018 Applications of Recombinant DNA Technology. The content and nature of these components may vary from year to year.

BIOL3025**Evolutionary Genetics & Animal Behaviour**

Credit points: 6 **Teacher/Coordinator:** A/Prof Oldroyd, Dr Beekman. **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 4 hours laboratory per week. **Prerequisites:** 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3925, BIOL3928 **Assessment:** One 1.5 hour exam, assignments, seminar

The unit of study covers the main themes of modern evolutionary theory including population genetics. In the practicals, students use molecular methods to quantify genetic variation in natural populations. Using these skills we will search for population subdivision and discuss how this can lead to speciation. Lectures will cover how the evolution of traits can be tracked using the comparative method. We will consider how studies of sex ratios, sexual selection, kin selection, game theory and quantitative genetics can illuminate the mechanisms by which animals have evolved, and explain why they behave as they do. We will then consider if these themes have any relevance to human sociobiology. The unit also covers the role of genetics in conservation.

There will be a field trip to collect organisms for population genetic analysis. There will be plenty of opportunity in the student seminars to examine the more controversial aspects of modern evolutionary thought.

BIOL3925**Evolutionary Gen. & Animal Behaviour Adv**

Credit points: 6 **Teacher/Coordinator:** A/Prof Oldroyd, Dr Beekman. **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 4 hours of laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. **Prohibitions:** BIOL3025, BIOL3928 **Assessment:** One 1.5 hour exam, assignments, seminar.

Qualified students will participate in alternative components of BIOL3025 Evolutionary Genetics and Animal Behaviour. The content and nature of these components may vary from year to year. Some assessment will be in an alternative format.

BIOL3026**Developmental Genetics**

Credit points: 6 **Teacher/Coordinator:** Dr Saleeba, Dr Raphael. **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 4 hours laboratory per week. **Prerequisites:** 12 credit points from MBLG (2001/2901/2071/2971/2771/2871) and MBLG (2002/2902/2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3926 **Assessment:** One 2 hour exam, assignments.

This unit discusses current understanding of developmental genetics with emphasis on molecular genetics. The developmental genetics of model plants and animals will be investigated. In particular, the molecular genetics of vertebrate development, pattern formation and gene expression, the study of mutants in development, plant specific processes such as root formation and flowering, will be covered making reference to modern techniques such as transgenics, recombinant DNA technology, and tissue specific expression analysis. Various methods of genetic mapping will be covered. Practical work complements the theoretical aspects and develops important genetical skills.

BIOL3926**Developmental Genetics (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Dr Saleeba, Dr Raphael. **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 4 hours of laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), and MBLG (2002/2902/2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. **Prohibitions:** BIOL3026 **Assessment:** One 2 hour exam, assignments.

Qualified students will participate in alternative components to BIOL3026 Developmental Genetics. The content and nature of these components may vary from year to year. Some assessment will be in an alternative format.

BIOL3027**Bioinformatics and Genomics**

Credit points: 6 **Teacher/Coordinator:** Dr Firth, Dr Jermin **Session:** Semester 1 **Classes:** Two 1 hour lectures and up to 4 hours laboratory per week. **Prerequisites:** 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3927 **Assessment:** One 2 hour exam, assignments

Note: This unit of study is recommended for third year students enrolled in the BSc (Bioinformatics) degree.

A unit of study comprising lectures, practical assignments and tutorials on the application of bioinformatics to the storage, retrieval and analysis of biological information, principally in the form of nucleotide and amino acid sequences. Although the main emphasis is on sequence data, other forms of biological information are considered. The unit begins with the assembly and management of nucleotide sequence data and an introduction to the databases that are normally used for the storage and retrieval of biological data, and continues

with signal detection and analysis of deduced products, sequence alignment, and database search methods. Phylogenetic reconstruction based on distance-based methods, parsimony methods and maximum-likelihood methods is described and students are introduced to the idea of tree-space, phylogenetic uncertainty, and taught to evaluate phylogenetic trees and identify factors that will confound phylogenetic inference. Finally, whole genome analysis and comparative genomics are considered. The unit gives students an appreciation of the significance of bioinformatics in contemporary biological science by equipping them with skills in the use of a core set of programs and databases for "in silico" biology, and an awareness of the breadth of bioinformatics resources and applications.

BIOL3927

Bioinformatics and Genomics (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Firth, Dr Jermin **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2071/2971/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. **Prohibitions:** BIOL3027 **Assessment:** One 2 hour exam, assignments

Qualified students will participate in alternative components of BIOL3027 Bioinformatics and Genomics. The content and nature of these components may vary from year to year. Some assessment will be in alternative format.

Biology Honours

A single Honours program in Biology accommodates students who have completed 24 credit points of Senior Biology Life Sciences units and have a minimum WAM of 65. Information about qualifications for entry into Honours is available from the School Office (Science Road Cottage, A10), or on the School of Biological Sciences web-site. During the Honours year the principles established in the first three years of the undergraduate award course are further developed, and students are introduced to a wider field of biology and biological techniques. Students may elect to specialise in any of the aspects of biology that are studied in the School. Projects jointly supervised by staff in other Schools or Departments within the University may also be considered. Students who have signified their intention of entering Honours will be notified of acceptance after the publication of the second semester Senior examination results. Honours students start their academic year at the beginning of February or in July.

The Honours year comprises:-

1. A project in which the student investigates a problem and presents oral and written accounts of his or her research.
2. coursework units - BIOL4009 Communication Research in Biology, BIOL4010 Experiment Design & Analysis Biology.
3. instruction in experimental design, and other technical instruction. The degree will be awarded on the basis of: (a) written assignments and essays from coursework units. (b) marks awarded for a thesis on the subject of the project.

Graduate Diploma in Science (Biology)

The Graduate Diploma program in Biology is available as a one year full-time or two year part-time course. Information about qualifications for entry into the Graduate Diploma is available from the School Office (Science Road Cottage, A10). The course is intended for students wishing to progress beyond a pass degree but not via the Honours degree, or who are ineligible for admission to Honours. Students enrolled in the one year course will follow the same program as Biology Honours students and be assessed using similar criteria. Students may therefore elect to specialise in any area within the research interests of the School. Projects jointly supervised by staff in other Schools or Departments within the University may also be considered. Students undertaking the two year course (part-time) will follow the same curriculum but will satisfactorily complete the instructed elements of the course before progressing to the project element at the end of the first year. Students who have signified their intention to enter the Graduate Diploma course will be notified of acceptance after the publication of the second semester Senior examination results. Graduate Diploma students are expected to start their academic year

at the beginning of February or in July. The composition of the Graduate Diploma course is identical to that for Honours (see Biology Honours)

Postgraduate study in Biology

MSc and PhD degrees by research are available in the School. On completion of an Honours degree (at first or second class level), MSc Preliminary course or Graduate Diploma in Science, students may pursue candidature for MSc degrees by research. The range of research fields offered and the fields of each member of academic staff are listed on the School's web site at www.bio.usyd.edu.au/

Cell Pathology

Cell Pathology is taught by the Department of Pathology. The Department of Pathology is located on Level 5 of the Blackburn Building (phone 9351 2414). The Department maintains a website to assist students access information and resources: <http://www.pathology.usyd.edu.au/>

CPAT3201

Pathogenesis of Human Disease 1

Credit points: 6 **Teacher/Coordinator:** Dr Bob Bao **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** At least 6cp intermediate of one of the following: ANAT or BCHM or MBLG or BIOL or HPSC or MICR or PCOL or PHSI, or as the head of department determines. **Assessment:** One 2 hour exam (60%), one major research essay (1500w) generation of detractors for MCQ stems with referenced support blurbs for these (40%).

The Pathological Basis of Human Disease 1 unit of study modules will provide a theoretical background to the scientific basis of the pathogenesis of disease. Areas covered in theoretical modules include: tissue responses to exogenous factors, adaptive responses to foreign agents, cardiovascular/pulmonary/gut responses to disease, forensic science, neuropathology and cancer. The aim of the course is - To give students an overall understanding of the fundamental biological mechanisms governing disease pathogenesis in human beings. - To introduce to students basic concepts of the pathogenesis, natural history and complications of common human diseases. - To demonstrate and exemplify differences between normality and disease. - To explain cellular aspects of certain pathological processes. Together with CPAT3202, the unit of study would be appropriate for those who intend to proceed to Honours research, to professional degrees or to careers in biomedical areas such as hospital science. Together with CPAT3202, it fulfils the Pathology requirements for the Centre for Chiropractic at Macquarie University.

Textbooks

Robbins Basic Pathology, Kumar, Cotran & Robbins 7th Edition, 2003, Publ Saunders, Philadelphia, Pennsylvania, USA.

CPAT3202

Pathogenesis of Human Disease 2

Credit points: 6 **Teacher/Coordinator:** Dr Bob Bao **Session:** Semester 2 **Classes:** One 2 hour practical per week, one 1 hour museum practical and one 1 hour tutorial per week. **Prerequisites:** At least 6cp intermediate of one of the following: ANAT or BCHM or MBLG or BIOL or HPSC or MICR or PCOL or PHSI, or as the head of department determines. **Corequisites:** CPAT3201 **Assessment:** One 2 hour exam (70%), Museum Practical Reports (30%).

Note: Department permission required for enrolment.

The Pathological Basis of Human Disease 2 unit of study modules will provide a practical background to the scientific basis of the pathogenesis of disease. Areas covered in practical modules include disease specimen evaluation on a macroscopic and microscopic basis. The aim of the course is - To enable students to gain an understanding of how different organ systems react to injury and to apply basic concepts of disease processes. - To equip students with skills appropriate for careers in the biomedical sciences and for further training in research or professional degrees. At the end of the course students will: - Have acquired practical skills in the use of a light microscope. - Have an understanding of basic investigative techniques for disease detection in pathology. - Be able to evaluate diseased tissue at the macroscopic and microscopic level. - Have the ability to describe, synthesise and present information on disease pathogenesis.

- Transfer problem-solving skills to novel situations related to disease pathogenesis. The unit of study would be appropriate for those who intend to proceed to Honours research, to professional degrees or to careers in biomedical areas such as hospital science. Together with CPAT3201, it fulfils the Pathology requirements for the Centre for Chiropractic at Macquarie University.

Textbooks

Robbins Basic Pathology, Kumar, Cotran & Robbins 7th Edition, 2003, Publ Saunders, Philadelphia, Pennsylvania, USA.

Chemical Engineering

The School of Chemical and Biomolecular Engineering is part of the Faculty of Engineering. In addition to providing professional training in this branch of engineering it offers CHNG1103 Introduction to Material and Energy Transformations to students enrolled in the Faculty of Science. Details regarding this unit of study can be obtained from the Faculty of Engineering Handbook. This unit of study is intended to give a science student some insight into the principles which control the design and performance of large scale industrial processing plants. Faculty of Science students are invited to enrol in any other chemical engineering unit of study, provided they have the appropriate prerequisites and have consulted with the Head of School.

Advanced standing for Science students transferring to BEng(Chemical Engineering)

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Chemical Engineering. Students wishing to undertake this option must seek academic advice from the School of Chemical and Bio-molecular Engineering. Further details regarding admission to the BE in Chemical Engineering may be obtained from the Engineering Faculty Office.

Chemistry

Junior units of study

The School of Chemistry offers a number of 6 credit point units of study to cater for the differing needs of students. These units of study are: CHEM1001 Fundamentals of Chemistry 1A, CHEM1002 Fundamentals of Chemistry 1B, CHEM1101 Chemistry 1A, CHEM1102 Chemistry 1B, CHEM1108 Chemistry 1 Life Sciences A, CHEM1109 Chemistry 1 Life Sciences B, CHEM1901 Chemistry 1A (Advanced), CHEM1902 Chemistry 1B (Advanced), CHEM1903 Chemistry 1A (Special Studies Program), CHEM 1904 Chemistry 1B (Special Studies Program)

Obtaining detailed information about units

Detailed information about all units of study is contained in a booklet, Information for Students, distributed at the time of enrolment, and also available from the First Year Office. Exercises are issued and tutorials are held at regular intervals for all units of study. The School maintains a website to assist current and prospective students: <http://www.chem.usyd.edu.au>

CHEM1001

Fundamentals of Chemistry 1A

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prohibitions:** CHEM1101, CHEM1901, CHEM1109, CHEM1903, CHEM1909 **Assumed knowledge:** There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

The aim of the unit of study is to provide those students whose chemical background is weak (or non-existent) with a good grounding in fundamental chemical principles together with an overview of the relevance of chemistry. There is no prerequisite or assumed knowledge for entry to this unit of study. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1002

Fundamentals of Chemistry 1B

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1001 or 1101) or equivalent **Prohibitions:** CHEM1102, CHEM1108, CHEM1902, CHEM1904, CHEM1908 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

CHEM1002 builds on CHEM1001 to provide a sound coverage of inorganic and organic chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1101

Chemistry 1A

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1001, CHEM1109, CHEM1901, CHEM1903, CHEM1909 **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Chemistry 1A is built on a satisfactory prior knowledge of the HSC Chemistry course. A brief revision of basic concepts of the high school course is given. Chemistry 1A covers chemical theory and physical chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1102

Chemistry 1B

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** One 3 hour lecture and 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1002, CHEM1108, CHEM1902, CHEM1904, CHEM1908 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Chemistry 1B is built on a satisfactory prior knowledge of Chemistry 1A and covers inorganic and organic chemistry. Chemistry 1B is an acceptable prerequisite for entry into Intermediate Chemistry units of study. Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1108

Chemistry 1A Life Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** UAI of at least 93 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM (1002 or 1102 or 1902 or 1904) **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** Practicals (30hr) These will be designed to develop practical skills based on the theory presented in the lectures

Note: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.

Lectures (39 hrs): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of

study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: atomic structure, chemical bonding and organic chemistry of functional groups with applications in life sciences. Tutorials (12 hrs): These will provide aspects of problem solving relevant to the theory.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1109

Chemistry 1B Life Sciences

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM1108 **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM (1001 or 1101 or 1901 or 1903) **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** Practicals (30hrs) These will be designed to develop practical skills based on the theory presented in the lectures

Note: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.

Lectures (39 hrs): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: chemical equilibria, solutions, acids and bases, ions in solution, redox reactions, colloids and surface chemistry, the biological periodic table, chemical kinetics and radiochemistry with applications to life sciences. Tutorials (12 hrs): These will provide aspects of problem solving relevant to the unit of study.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1901

Chemistry 1A (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lecture and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** UAI of at least 96.4 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1001, CHEM1101, CHEM1109, CHEM1903, CHEM1909 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Note: Department permission required for enrolment.

Chemistry 1A (Advanced) is available to students with a very good HSC performance as well as a very good school record in chemistry or science. Students in this category are expected to do Chemistry 1A (Advanced) rather than Chemistry 1A. The theory and practical work syllabuses for Chemistry 1A and Chemistry 1A (Advanced) are similar, though the level of treatment in the latter unit of study is more advanced, presupposing a very good grounding in the subject at secondary level. Chemistry 1A (Advanced) covers chemical theory and physical chemistry. Lectures: A series of about 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1902

Chemistry 1B (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1002, CHEM1102, CHEM1108, CHEM1904, CHEM1908 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Note: Department permission required for enrolment.

Chemistry 1B (Advanced) is built on a satisfactory prior knowledge of Chemistry 1A (Advanced) and covers inorganic and organic chemistry. Chemistry 1B (Advanced) is an acceptable prerequisite for entry into Intermediate Chemistry units of study. Lectures: A series of about 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM1903

Chemistry 1A (Special Studies Program)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lecture, one 1 hour tutorial per week and one 3 hour practical per week. **Prerequisites:** UAI of at least 98.7 and HSC Chemistry result in Band 6 **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1001 or 1101 or 1109 or 1901 or 1909) **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%)

Note: Department permission required for enrolment.

Note: Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.

Entry to Chemistry 1A (Special Studies Program) is restricted to students with an excellent school record in Chemistry. The practical work syllabus for Chemistry 1A (Special Studies Program) is very different from that for Chemistry 1A and Chemistry 1A (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1A (Advanced). A Distinction in Chemistry 1A (Special Studies Program) is an acceptable prerequisite for entry into Chemistry 1B (Special Studies Program).

CHEM1904

Chemistry 1B (Special Studies Program)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lecture, one 1 hour tutorial per week and one 3 hour practical per week. **Prerequisites:** Distinction in CHEM1903 **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM1002, CHEM1102, CHEM1108, CHEM1902, CHEM1908 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%)

Note: Department permission required for enrolment.

Note: Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.

Entry to Chemistry 1B (Special Studies Program) is restricted to students who have gained a Distinction in Chemistry 1A (Special Studies Program). The practical work syllabus for Chemistry 1B (Special Studies Program) is very different from that for Chemistry 1B and Chemistry 1B (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1B (Advanced). Chemistry 1B (Special Studies Program) is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

Intermediate units of study

The School of Chemistry offers a number of units of study to cater for the differing needs of students. The following 6 credit point units of study are offered: CHEM 2401 Molecular Reactivity and Spectroscopy, CHEM 2402 Chemical Structure and Stability, CHEM 2403 Chemistry of Biological Molecules, CHEM 2404 Forensic and Environmental Chemistry, CHEM 2911 Molecular Reactivity and Spectroscopy (Adv), CHEM 2912 Chemical Structure and Stability (Adv), CHEM 2913 Chemistry of Biological Molecules (Adv), CHEM 2915 Molecular Reactivity and Spectroscopy SSP, CHEM 2916 Chemical Structure and Stability SSP

CHEM2401

Molecular Reactivity and Spectroscopy

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 1 **Classes:** Three 1 hour lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics **Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2502, CHEM2901, CHEM2903, CHEM2911, CHEM2915 **Assessment:** One 3 hour examination, quizzes, lab reports

This is one of two core units of study for students interested in majoring in chemistry. The unit covers fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and includes applications of spectroscopy in environmental studies. It also covers the organic chemistry of aromatic systems, aldehydes and ketones, organometallic reagents, carbohydrates and DNA.

CHEM2402

Chemical Structure and Stability

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 2
Classes: Three 1 hour lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics **Prohibitions:** CHEM2202, CHEM2302, CHEM2902, CHEM2912, CHEM2916 **Assessment:** One 3 hour examination, quizzes, lab reports

Note: This is the main chemistry unit of study for students expecting to major in chemistry

The structure, bonding and properties of inorganic compounds and complexes; statistical thermodynamics and thermodynamics; amine chemistry, electrophilic substitution and the chemistry of aromatics, the chemistry of carbonyls, nucleophilic organometallic reagents and organic synthesis and synthetic methods.

CHEM2403

Chemistry of Biological Molecules

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 2
Classes: Three 1 hour lectures per week, six 1 hour tutorials per semester, five 4 hour practical sessions per semester. **Prerequisites:** 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics **Prohibitions:** CHEM2001, CHEM2901, CHEM2311, CHEM2903, CHEM2913 **Assessment:** One 3 hour examination, quizzes, lab reports

Note: To enrol in Senior Chemistry in 2008 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.

This unit of study aims to give students an understanding of the chemistry underlying biological systems. Lectures will cover the mechanisms of organic chemical reactions and their application to biological systems, the molecular basis of spectroscopic techniques used in biological chemistry, analytical chemistry of biological systems, biopolymers and biocolloids and topics from inorganic chemistry of relevance to biological systems (metalloproteins, biomineralisation, etc). The practical work will cover experimental investigations of chemical kinetics, organic and inorganic chemical analysis, biopolymer characterisation, and preparation and characterisation of a metal-based anti-inflammatory drug.

CHEM2404

Forensic and Environmental Chemistry

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 1
Classes: Three 1 hour lectures per week, six 1 hour tutorials and five 4 hour practical sessions per semester. **Prerequisites:** 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics **Prohibitions:** CHEM3107, CHEM3197 **Assessment:** One 3 hour exam plus quizzes, lab reports.

Note: To enrol in Senior Chemistry in 2008 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.

Chemical analysis is a fundamental task of a professional chemist. The identification of chemical species and the quantitative determination of how much of each species is present are the essential first steps in solving all chemical puzzles. In this course students learn analytical techniques and chemical problem solving in the context of forensic and environmental chemistry. The lectures on Environmental Chemistry will cover two main topics: (i) atmospheric chemistry, covering topics such as air pollution, global warming and ozone depletion, and (ii) water and soil chemistry, including topics such as bio-geochemical cycling, chemical speciation, pH-pE diagrams, catalysis and Green Chemistry. The Forensic component of the course examines the gathering and analysis of evidence, using a wide variety of chemical techniques, as well as the development of specialized forensic techniques in the analysis of trace evidence. Students will also study forensic analyses of inorganic, organic and biological

materials, dust, soil, inks, paints, documents, etc. in police, customs and insurance investigations and learn how techniques such as IR, UV, MS, GC, GC-MS, XRD, XRF, SEM, EDAX ICP, HPLC, trace metals analysis, separation science, DNA analysis, etc., singly and in combination are used to examine forensic evidence.

CHEM2911

Molecular Reactivity & Spectroscopy Adv

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 1
Classes: Three 1 hour lectures per week, seven 1 hour tutorials per semester and eight 4 hour practicals per semester. **Prerequisites:** Credit average or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2915 **Assessment:** One 3 hour exam plus quizzes, lab reports.

The syllabus for this unit is that of CHEM2401 together with special Advanced material presented in the theory and/or practical programs. The lectures cover fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and includes applications of spectroscopy in environmental studies. It also covers the organic chemistry of aromatic systems, aldehydes and ketones, organometallic reagents, carbohydrates and DNA.

CHEM2912

Chemical Structure and Stability (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 2
Classes: Three 1 hour lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** Credit average or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2916 **Assessment:** One 3 hour exam plus quizzes, lab reports.

The syllabus for this unit is that of CHEM2402 together with special Advanced material presented in the theory and/or practical programs. The lectures include the structure, bonding and properties of inorganic compounds and complexes; statistical thermodynamics and thermodynamics; amine chemistry, electrophilic substitution and the chemistry of aromatics, the chemistry of carbonyls, nucleophilic organometallic reagents and organic synthesis and synthetic methods.

CHEM2913

Chemistry of Biological Molecules (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 2
Classes: Three 1 hour lectures per week, one 1 hour tutorial per semester and five 4 hour practical sessions per semester. **Prerequisites:** CHEM (1902 or 1904 or 1909). 12 credit points of Junior Mathematics. Candidates for the BSc (Molecular Biology & Genetics) must achieve a Credit average in Junior units of study. Candidates for the BSc (Molecular Biotechnology) must achieve a Credit average in Junior units of study and a Distinction average in Junior Chemistry units of study. **Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2403, CHEM2502, CHEM2901, CHEM2903 **Assessment:** One 3 hour exam plus quizzes, lab reports.

Note: This unit of study is available to students in the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Science (Molecular Biotechnology) degree programs only.

This unit of study aims to give students an understanding of the chemistry underlying biological systems. Lectures will cover the mechanisms of organic chemical reactions and their application to biological systems, the molecular basis of spectroscopic techniques used in biological chemistry, analytical chemistry of biological systems, biopolymers and biocolloids and topics from inorganic chemistry of relevance to biological systems (metalloproteins, biomineralisation, etc). There will also be 8 hours of compulsory tutorial workshops. Students must ensure that one complete afternoon from 1.00 pm to 5.00 pm, free from other commitments, is available for the practical work.

CHEM2915

Molecular Reactivity & Spectroscopy SSP

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 1
Classes: Three 1 hour lectures per week, eleven 1 hour SSP seminars per semester, eight 4 hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior

Mathematics **Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2911 **Assessment:** One 3 hour exam plus quizzes, assignments, lab reports.

Note: Department permission required for enrolment.

Note: The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.

The lectures for this unit comprise the lectures for CHEM2401 and the Advanced practical program together with special SSP seminars. Two streams of SSP seminars are offered: Series One comprises three seminar topics on state of the art topics in chemistry (in 2006, these covered Metal-DNA Chemistry, Obtaining information concerning chemical reactivity and motion from absorption and emission spectra, and Composite materials). Series Two is devoted solely to Advanced Theoretical Chemistry.

CHEM2916

Chemical Structure and Stability (SSP)

Credit points: 6 **Teacher/Coordinator:** Dr R J Clarke **Session:** Semester 2 **Classes:** Three 1 hour lectures per week, eleven 1 hour SSP seminars per semester, eight 4 hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2912 **Assessment:** One 3 hour exam plus quizzes, assignments, lab reports.

Note: Department permission required for enrolment.

Note: The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.

The lectures for this unit comprise the lectures for CHEM2402 and the Advanced practical program together with special SSP seminars. Two streams of SSP seminars are offered: Series One comprises three seminar topics on state of the art topics in chemistry (in 2006, these included Carbon-rich chemistry and Phase equilibria). Series Two is devoted to Advanced Theoretical Chemistry.

Senior units of study

The School of Chemistry offers a choice of 6 credit point units of study to cater for the differing needs and interests of students. Each unit involves two lectures and 4 hours of lab each week.

CHEM3110

Biomolecules: Properties and Reactions

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practicals per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3910 **Assessment:** One 2 hour exam, prac reports

DNA, proteins and carbohydrates represent three classes of essential biomolecules present in all biological systems. This unit will cover the structure, reactivity and properties of biomolecules and the building blocks from which these molecules are assembled, their interactions with metal ions and small molecules, and highlight the chemical tools for studying the behaviour of biomolecules. The final section of the unit illustrates how chemists apply the same principles used by Nature in these systems to produce molecular sensors and switches for applications in medicine and industry.

CHEM3111

Organic Structure and Reactivity

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3911 **Assessment:** One 2 hour exam, prac reports

The structure and shape of organic molecules determines their physical properties, their reaction chemistry as well as their biological/medicinal activity. The determination of this structure and understanding its chemical consequences is of fundamental importance in chemistry, biochemistry, medicinal and materials chemistry. This course examines the methods and techniques used to establish the structure of organic molecules as well as the chemistry which dictates the shapes that they adopt. The first part of the course examines the use of modern spectroscopic methods (nuclear magnetic resonance spectroscopy,

infrared spectroscopy and mass spectroscopy) which are used routinely to identify organic compounds. The second part of the course examines the chemical consequences of molecular shapes in more depth and looks at how different molecular shapes arise as a consequence of the mechanism of chemical reactions used to synthesize them.

CHEM3112

Materials Chemistry

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3912 **Assumed knowledge:** CHEM2401 and CHEM2402 **Assessment:** One 2 hour exam, prac reports

This course concerns the inorganic chemistry of solid-state materials: compounds that possess 'infinite' bonding networks. The extended structure of solid materials gives rise to a wide range of important chemical, mechanical, electrical, magnetic and optical properties. Consequently, such materials are of enormous technological significance as well as fundamental curiosity. In this course you will learn how chemistry can be used to design and synthesize novel materials with desirable properties. The course will start with familiar molecules such as C60 and examine their solid states to understand how the nature of chemical bonding changes in the solid state, leading to new properties such as electronic conduction. This will be the basis for a broader examination of how chemistry is related to structure, and how structure is related to properties such as catalytic activity, mechanical strength, magnetism, and superconductivity. The symmetry of solids will be used explain how their structures are classified; how they can transform between related structures when external conditions such as temperature, pressure and electric field are changed; and how this can be exploited in technological applications such as sensors and switches. Key techniques used to characterise solid-state materials will be covered, particularly X-ray diffraction, microscopy, and physical property measurements.

CHEM3113

Catalysis and Sustainable Processes

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3913 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

Almost 90% of manufactured chemicals (from fuels through polymers to drugs) involve at least one catalytic step in their production. Catalysis by enzymes is fundamental to all chemical pathways in living things. This course provides the foundation for a molecular-scale understanding of even the most complex catalysts. It begins by showing how organometallic fundamentals can be used to understand and design transition-metal catalysts. Making use of these concepts, the chemistry involved in surface catalysts will be examined. The course will address two main applications of catalysis. Synthetic polymers (plastics, woven materials, films, coatings, etc.) are the most ubiquitous and diverse of modern materials. These are synthesized by a range of catalytic processes, whose chemistry will be described. It will be shown how the mechanisms of these reactions in turn control the molecular weights of the resulting polymers, as well as other aspects of molecular architecture such as degree of branching. The other major application is the use of porous solids (zeotypes) as acid/base and redox catalysts. Confinement-induced selectivity changes are discussed and related to similar phenomena in enzymatic catalysis. In both applications students will also examine the overall process and look at the reasons behind choice of product, catalyst and reaction design with a specific focus on economy and environmental sustainability.

CHEM3114

Metal Complexes: Medicine and Materials

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or

(2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3914 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

Coordination compounds, with bonds between a central metal atom and surrounding ligands, play critical roles in biology, biochemistry and medicine, controlling the structure and function of many enzymes and their metabolism. They play similarly vital roles in many industrial processes and in the development of new materials with specifically designed properties. Building on the foundation of crystal field theory, this course offers a comprehensive treatment of the structures and properties of coordination compounds, with a qualitative molecular orbital description of metal-ligand bonds, and their spectroscopic, magnetic and dynamic effects. The exploitation of these properties in medicine and materials will be emphasized.

CHEM3115

Synthetic Medicinal Chemistry

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3915 **Assessment:** One 2 hour exam, prac reports

The development of new pharmaceuticals fundamentally relies on the ability to design and synthesize new compounds. Synthesis is an enabling discipline for medicinal chemistry - without it, the development of new drugs cannot progress from design to implementation, and ultimately to a cure. This unit will tackle important factors in drug design, and will highlight the current arsenal of methods used in the discovery of new drugs, including rational drug design, high throughput screening and combinatorial chemistry. We will develop a logical approach to planning a synthesis of a particular target structure. The synthesis and chemistry of heterocycles, which comprise some 40% of all known organic compounds and are particularly common in pharmaceuticals, will be outlined. Examples will include important ring systems present in biological systems, such as pyrimidines and purines (DNA and RNA), imidazole and thiazole (amino acids and vitamins) and porphyrins (natural colouring substances and oxygen carrying component of blood). Throughout the course, the utility of synthesis in medicinal chemistry will be illustrated with cases studies such as anti-influenza (Relenza), anaesthetic (benzocaine), anti-inflammatory (Vioxx), antihypertensive (pinacidil) and cholesterol-lowering (Lovastatin) drugs.

CHEM3116

Membranes, Self Assembly and Surfaces

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3916 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

Away from the covalent and ionic interactions that hold molecules and solids together, is the world of fragile objects - folded polymers, membranes, surface adsorption and stable molecular aggregates - held together by weak forces such as van der Waals and the hydrophobic effect. The use of molecules rather than atoms as the building blocks means that there are an enormous number of possibilities for stable aggregates with interesting chemical, physical and biological properties, many which still wait to be explored. In this course we examine the molecular interactions that drive self assembly and the consequences of these interactions in supramolecular assembly, lipid membrane formations and properties, microemulsions, polymer conformation and dynamics and range of fundamental surface properties including adhesion, wetting and colloidal stability.

CHEM3117

Molecular Spectroscopy & Quantum Theory

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).

Prohibitions: CHEM3917 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

This course will cover the fundamentals of molecular spectroscopy as a modern research tool and as a theoretical basis with which to understand everyday phenomena. This course is aimed at the student wishing a rigorous understanding of the interaction between light and matter. The course teaches the quantum theory needed to understand spectroscopic phenomena (such as the absorption of light) without the need for difficult mathematics. This low level theory is used as a tool with which to understand models of everyday phenomena. The course teaches application and theory, with descriptions of applied spectroscopic techniques. Alongside the coverage of modern spectroscopy, the course provides an accessible treatment of the science behind vision, flames, solar cells and photochemical smog.

CHEM3910

Biomolecules: Properties & Reactions Adv

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)) **Prohibitions:** CHEM3110 **Assessment:** One 2 hour exam, prac reports

DNA, proteins and carbohydrates represent three classes of essential biomolecules present in all biological systems. This unit will cover the structure, reactivity and properties of biomolecules and the building blocks from which these molecules are assembled, their interactions with metal ions and small molecules, and highlight the chemical tools for studying the behaviour of biomolecules. The final section of the unit illustrates how chemists apply the same principles used by Nature in these systems to produce molecular sensors and switches for applications in medicine and industry. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3911

Organic Structure and Reactivity (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practicals per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3111 **Assessment:** One 2 hour exam, prac reports

The structure and shape of organic molecules determines their physical properties, their reaction chemistry as well as their biological/medicinal activity. The determination of this structure and understanding its chemical consequences is of fundamental importance in chemistry, biochemistry, medicinal and materials chemistry. This course examines the methods and techniques used to establish the structure of organic molecules as well as the chemistry which dictates the shapes that they adopt. The first part of the course examines the use of modern spectroscopic methods (nuclear magnetic resonance spectroscopy, infrared spectroscopy and mass spectroscopy) which are used routinely to identify organic compounds. The second part of the course examines the chemical consequences of molecular shapes in more depth and looks at how different molecular shapes arise as a consequence of the mechanism of chemical reactions used to synthesize them. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3912

Materials Chemistry (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practicals per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3112 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

This course concerns the inorganic chemistry of solid-state materials: compounds that possess 'infinite' bonding networks. The extended

structure of solid materials gives rise to a wide range of important chemical, mechanical, electrical, magnetic and optical properties. Consequently, such materials are of enormous technological significance as well as fundamental curiosity. In this course you will learn how chemistry can be used to design and synthesize novel materials with desirable properties. The course will start with familiar molecules such as C₆₀ and examine their solid states to understand how the nature of chemical bonding changes in the solid state, leading to new properties such as electronic conduction. This will be the basis for a broader examination of how chemistry is related to structure, and how structure is related to properties such as catalytic activity, mechanical strength, magnetism, and superconductivity. The symmetry of solids will be used to explain how their structures are classified; how they can transform between related structures when external conditions such as temperature, pressure and electric field are changed; and how this can be exploited in technological applications such as sensors and switches. Key techniques used to characterise solid-state materials will be covered, particularly X-ray diffraction, microscopy, and physical property measurements. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3913

Catalysis and Sustainable Process (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3113 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

Almost 90% of manufactured chemicals (from fuels through polymers to drugs) involve at least one catalytic step in their production. Catalysis by enzymes is fundamental to all chemical pathways in living things. This course provides the foundation for a molecular-scale understanding of even the most complex catalysts. It begins by showing how organometallic fundamentals can be used to understand and design transition-metal catalysts. Making use of these concepts, the chemistry involved in surface catalysts will be examined. The course will address two main applications of catalysis. Synthetic polymers (plastics, woven materials, films, coatings, etc.) are the most ubiquitous and diverse of modern materials. There are synthesized by a range of catalytic processes, whose chemistry will be described. It will be shown how the mechanisms of these reactions in turn control the molecular weights of the resulting polymers, as well as other aspects of molecular architecture such as degree of branching. The other major application is the use of porous solids (zeotypes) as acid/base and redox catalysts. Confinement-induced selectivity changes are discussed and related to similar phenomena in enzymatic catalysis. In both applications students will also examine the overall process and look at the reasons behind choice of product, catalyst and reaction design with a specific focus on economy and environmental sustainability. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3914

Metal Complexes: Medic. & Mater. (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3114 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

Coordination compounds, with bonds between a central metal atom and surrounding ligands, play critical roles in biology, biochemistry and medicine, controlling the structure and function of many enzymes and their metabolism. They play similarly vital roles in many industrial processes and in the development of new materials with specifically designed properties. Building on the foundation of crystal field theory,

this course offers a comprehensive treatment of the structures and properties of coordination compounds, with a qualitative molecular orbital description of metal-ligand bonds, and their spectroscopic, magnetic and dynamic effects. The exploitation of these properties in medicine and materials will be emphasized. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3915

Synthetic Medicinal Chemistry (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3115 **Assessment:** One 2 hour exam, prac reports

The development of new pharmaceuticals fundamentally relies on the ability to design and synthesize new compounds. Synthesis is an enabling discipline for medicinal chemistry - without it, the development of new drugs cannot progress from design to implementation, and ultimately to a cure. This unit will tackle important factors in drug design, and will highlight the current arsenal of methods used in the discovery of new drugs, including rational drug design, high throughput screening and combinatorial chemistry. We will develop a logical approach to planning a synthesis of a particular target structure. The synthesis and chemistry of heterocycles, which comprise some 40% of all known organic compounds and are particularly common in pharmaceuticals, will be outlined. Examples will include important ring systems present in biological systems, such as pyrimidines and purines (DNA and RNA), imidazole and thiazole (amino acids and vitamins) and porphyrins (natural colouring substances and oxygen carrying component of blood). Throughout the course, the utility of synthesis in medicinal chemistry will be illustrated with cases studies such as anti-influenza (Relenza), anaesthetic (benzocaine), anti-inflammatory (Vioxx), antihypertensive (pinacidil) and cholesterol-lowering (Lovastatin) drugs. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3916

Membranes, Self Assembly & Surfaces (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3116 **Assumed knowledge:** CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

Away from the covalent and ionic interactions that hold molecules and solids together, is the world of fragile objects - folded polymers, membranes, surface adsorption and stable molecular aggregates - held together by weak forces such as van der Waals and the hydrophobic effect. The use of molecules rather than atoms as the building blocks means that there are an enormous number of possibilities for stable aggregates with interesting chemical, physical and biological properties, many which still wait to be explored. In this course we examine the molecular interactions that drive self assembly and the consequences of these interactions in supramolecular assembly, lipid membrane formations and properties, microemulsions, polymer conformation and dynamics and range of fundamental surface properties including adhesion, wetting and colloidal stability. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM3917

Mol. Spectroscopy & Quantum Theory (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Prohibitions:** CHEM3117 **Assumed**

knowledge: CHEM2401 and CHEM2402. **Assessment:** One 2 hour exam, prac reports

This course will cover the fundamentals of molecular spectroscopy as a modern research tool and as a theoretical basis with which to understand everyday phenomena. This course is aimed at the student wishing a rigorous understanding of the interaction between light and matter. The course teaches the quantum theory needed to understand spectroscopic phenomena (such as the absorption of light) without the need for difficult mathematics. This low level theory is used as a tool with which to understand models of everyday phenomena. The course teaches application and theory, with descriptions of applied spectroscopic techniques. Alongside the coverage of modern spectroscopy, the course provides an accessible treatment of the science behind vision, flames, solar cells and photochemical smog. Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

Chemistry Honours

The Honours program in the School of Chemistry gives students the opportunity to get involved in a research program in an area that is of interest to them. It provides training in research techniques and experience using modern research instrumentation. The Honours program adds a new dimension to the skills that the students have acquired during their undergraduate years and enhances their immediate employment prospects and, more significantly, their future career potential. All students with a sound record in Chemistry are encouraged to apply for entry to the Honours program. The School of Chemistry offers a wide range of possible projects in all areas of contemporary chemistry including Biological and Medicinal Chemistry, Synthesis and Catalysis, Physical and Theoretical Chemistry, Supramolecular Chemistry, Polymers and Colloids and Chemical Spectroscopy. Details of available projects are contained in the School's Honours Booklet that is available from the School's Information Desk. In the Honours year, each student undertakes a research project under the supervision of a member of staff; writes a thesis which explains the problem; outlines the research undertaken and the results obtained; attends advanced lecture courses, normally given by leaders in their field from overseas or Australia; attends research seminars and undertakes additional written assessment. Further information is available from the Honours Coordinator, or at <http://www.chem.usyd.edu.au/future/honours.html>

Civil Engineering

The School of Civil Engineering is part of the Faculty of Engineering. In addition to providing professional training in this branch of engineering it offers units of study to students enrolled in the Faculty of Science majoring in Mathematics, Physics, Chemistry, Geology, Computer Science or Soil Science. The most relevant units of study are CIVL2201 - Structural Mechanics, CIVL2230 - Introduction to Structural Concepts and Design, CIVL2410 Soil Mechanics, and CIVL2611 Fluid Mechanics. Details regarding these units of study can be obtained from the Faculty of Engineering Handbook. These units of study are intended first to demonstrate the application of scientific principles in an engineering context. The second intention is to introduce the application of this understanding to analysis and design in civil engineering. As well as the above units of study, Faculty of Science students are invited to enrol in other civil engineering units of study, provided they have the appropriate pre-requisites and assumed knowledge.

Double Degree

BSc graduates, who have passed all four of the above four units of study within the School of Civil Engineering, may obtain a Bachelor of Engineering degree in Civil Engineering after an additional two years' study, following the award of the BSc. Students wishing to undertake this option must apply through UAC and compete on the basis of academic merit. Prospective students are advised to discuss their plans with the School of Civil Engineering before enrolment. Further details regarding admission to the BE in Civil Engineering

may be obtained from the Engineering Faculty Office in the Engineering Faculty Building.

Computational Science

Computational Science is an interdisciplinary major offered within the BSc. It focuses on scientific problem solving using computers. It covers the formulation and analysis of problems, the use of software packages and programs to solve these problems computationally, simulations and modelling, mathematical and numerical analysis, high performance super-computing, graphics, visualisation and programming. Graduates with computational science skills are in strong and increasing demand in scientific research, industry, government and finance, particularly for their analytic and problem solving skills and their specific expertise in computing. The major in Computational Science can include a wide range of electives to suit individual interests, selected from computationally oriented offerings from various departments and schools from across the Faculty. Table 1 lists the core Senior units and electives, as well as Junior options. COSC units are described below. For descriptions of other units see their separate entries under the contributing school or department. The Computational Science unit coordinator is Dr Mike Wheatland

Junior units of study

COSC1001

Computational Science in Matlab

Credit points: 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prohibitions:** COSC1901 **Assumed knowledge:** HSC Mathematics **Assessment:** Two assignments, practical work, including practical exam, theory exam.

This unit of study focuses on scientific problem solving and data visualisation using computers and is complementary to COSC1002. Students will learn how to solve problems arising in the natural sciences and mathematics using core features of the problem solving environment MATLAB, with a choice of problems from various areas of science at each stage. Emphasis will be placed on graphical display and visualisation of data and solutions to problems. No previous knowledge of programming is assumed.

Textbooks

Recommended reference:

Hahn, B.D Essential MATLAB for Scientists & Engineers, 2nd Ed, Butterworth-Heinemann, Oxford, 2002.

COSC1901

Computational Science in Matlab (Adv)

Credit points: 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prerequisites:** UAI of at least 90, or COSC1902, or a distinction or better in COSC1002, SOFT (1001, 1002, 1901 or 1902). **Prohibitions:** COSC1001 **Assumed knowledge:** HSC Mathematics **Assessment:** Two assignments, practical work, including practical exam, theory exam.

This unit of study is the advanced version of COSC1001 and is complementary to COSC1902. The subject matter is very similar but more challenging problems will be covered and some additional programming and visualisation techniques will be used.

Textbooks

Recommended reference:

Hahn, B.D Essential MATLAB for Scientists & Engineers, 2nd Ed, Butterworth-Heinemann, Oxford, 2002.

COSC1002

Computational Science in C

Credit points: 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prohibitions:** COSC1902 **Assumed knowledge:** HSC Mathematics **Assessment:** Two assignments, practical work, including practical exam, theory exam.

This unit of study focuses on scientific problem-solving using computers and is complementary to COSC1001. Students will learn how to solve problems arising in the natural sciences and mathematics using core features of the language C, with a choice of problems from

various areas of science at each stage. No previous knowledge of programming is assumed.

Textbooks

Recommended references:

Gottfried B. Schaum's Outlines Programming with C, McGraw-Hill 1996.
Press, Teukolsky, Vetterling and Flannery. Numerical Recipes in C, The Art of Scientific Computing, 2nd ed, Cambridge Press 1992.

COSC1902

Computational Science in C (Adv)

Credit points: 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prerequisites:** UAI of at least 90, or COSC1901, or a distinction or better in COSC1001, SOFT (1001, 1002, 1901 or 1902). **Prohibitions:** COSC1002 **Assumed knowledge:** HSC Mathematics **Assessment:** Two assignments, practical work, including practical exam, theory exam.

This unit of study is the advanced version of COSC1002 and is complementary to COSC1901. The subject matter is very similar, but more challenging problems will be covered and some additional programming techniques will be used.

Textbooks

Recommended references:

Gottfried B. Schaum's Outlines Programming with C, McGraw-Hill 1996.
Press, Teukolsky, Vetterling and Flannery. Numerical Recipes in C, The Art of Scientific Computing, 2nd ed, Cambridge Press 1992.

Senior units of study

For a major in Computational Science, the minimum requirement is 24 credit points chosen from the core or elective senior units of study listed for this subject area, of which at least 12 credit points must be from the following core senior units of study: COSC3011 Scientific Computing; COSC3911 Scientific Computing (Advanced); COSC3012 Parallel Computing & Visualisation; COSC3912 Parallel Computing & Visualisation (Adv); MATH3076 Mathematical Computing*; MATH3976 Mathematical Computing (Advanced)*.

Notes

*Refer to Mathematics listing in this chapter for descriptions of these units of study. Senior elective units of study for a major in Computational Science are listed in Table 1 in chapter 3

COSC3011

Scientific Computing

Credit points: 6 **Teacher/Coordinator:** Dr Mike Wheatland **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. **Prohibitions:** COSC3911, COSC3001, COSC3901, PHYS3301, PHYS3901 **Assumed knowledge:** Programming experience in MATLAB **Assessment:** Lab, written exam

This unit of study provides a senior-level treatment of scientific problem solving using computers. Students will understand and apply a wide range of numerical schemes for solving ordinary and partial differential equations. Linear algebra is used to provide detailed insight into stability analysis, relaxation methods, and implicit integration. A variety of scientific problems are considered, including planetary motion, population demographics, neutron criticality, traffic flow and quantum mechanics. All coding is performed with MATLAB, and basic programming experience is assumed.

Textbooks

Numerical Methods for Physics, 2nd Edition, by A.L. Garcia

COSC3911

Scientific Computing (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Mike Wheatland **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas with a credit average. **Prohibitions:** COSC3011, COSC3001, COSC3901, PHYS3301, PHYS3901 **Assumed knowledge:** Programming experience in MATLAB **Assessment:** Lab, written exam

This unit is the Advanced version of COSC3011. The subject matter is very similar, but more challenging problems will be covered.

Textbooks

Numerical Methods for Physics, 2nd Edition, by A.L. Garcia

COSC3012

Parallel Computing & Visualisation

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Marks **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. **Prohibitions:** COSC3912, COSC3002, COSC3902, COSC3601, PHYS3303, PHYS3933 **Assumed knowledge:** Programming experience in C and MATLAB or equivalent. **Assessment:** Lab, practical exam

The first half of the course considers Parallel Computing on distributed and shared memory architectures. Students learn the concepts of distributed-memory programming using the Message Passing Interface (MPI), while shared-memory programming is presented using OpenMP. Concepts covered include scalability, communication overheads, deadlocks, domain decomposition and incremental parallelism. Basic programming ability in Fortran or C (or equivalent) is assumed. The second half of this course considers Scientific Visualisation as a tool for analysing, interpreting and communicating multi-dimensional numerical data. Students learn the principles and practice of Scientific Visualisation in the context of OpenDX, the open-source Data Explorer package developed by IBM. No previous experience is required, and the object-oriented visual programming environment is taught in the laboratory sessions.

COSC3912

Parallel Computing & Visualisation (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Nigel Marks **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas with a credit average. **Prohibitions:** COSC3012, COSC3002, COSC3902, COSC3601, PHYS3303, PHYS3933 **Assumed knowledge:** Programming experience in C and MATLAB or equivalent. **Assessment:** Lab, practical exam

This unit is the advanced version of COSC3012. The subject matter is very similar, but more challenging problems will be covered.

Electrical Engineering

The School of Electrical and Information Engineering is part of the Faculty of Engineering. In addition to providing professional training in this branch of engineering it offers many units of study that are available to students enrolled in the Faculty of Science. Details regarding these units of study can be obtained from the Faculty of Engineering Handbook or from the school web site: <http://www.ee.usyd.edu.au/ugrad/>

Double Degree

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Computer, Electrical, Software or Telecommunications Engineering. Students wishing to undertake this option must seek academic advice from the School of Electrical and Information Engineering. Further details regarding admission to the BE may be obtained from the Engineering Faculty Office. The School of Engineering is located in Building J03.

Environmental Science

Environmental Science is an applied interdisciplinary field concerned with the environment around us, regardless of whether it is natural or human-made, and how we can utilize or manage it for our benefit. It draws on a wide range of science-based disciplines and applications, from ecology to solar power, analytical chemistry to geomorphology. Environmental Science is also concerned with the social issues involved, including environmental law and policy, sustainability, resource economics, urban planning, and environmental ethics. Environmental scientists and managers need to have a broad knowledge base and the ability to be flexible and innovative in their application of such knowledge. Consequently, the emphasis of the Environmental Science program is placed upon studies that span and integrate several disciplines, involve adaptive problem solving, and develop new skills and expertise. In particular, the Environmental Science program looks to supplement studies in the science disciplines

with units that provide complimentary information on environmental issues that not only show how the sciences interact in the environment but how humans impact upon it. Prior to 2007, students wanting to Study Environmental Science did so through the specialist BSc (Environmental) degree - see Table 1B. Now students wanting to take Environmental Science can only do so by taking a double major in the BSc, one major in Environmental Studies and the other in a Science discipline of the students' choice. For descriptions of the ENVI units of study refer to the entries under Environmental Studies.

Honours in the Bachelor of Science (Environmental)

Students of sufficient merit may be admitted to an Honours course in the Bachelor of Science (Environmental). In the Honours year, a student will undertake an interdisciplinary research exercise in association with one or more supervising members of the academic staff at the University of Sydney, write a thesis based upon the research, and attend advanced lecture units of study and seminars as required by their supervisor(s). The Honours year is not only rewarding but enjoyable as well, and marks the transition period where a student becomes a research collaborator. Eligible students can choose to complete Honours in the following Science Subject Areas: Agricultural Chemistry, Biology, Chemistry, Geography, Geology, Marine Science, Microbiology, or Soil Science. (Please note that there are no Honours units of study entitled 'Environmental Science')

Environmental Studies

Environmental Studies is the examination of the human interactions with the natural and built environment. It encapsulates the fundamental social aspects of sustainability, environmental impact, law, ethics, development, energy use, economics and politics. In order to properly cover this material, the ENVI units are taught by various staff from within the Faculties of Science, Architecture and Law. Consequently, the ENVI units are complimentary to studies not only in the physical and natural Science disciplines but also to the social disciplines.

Obtaining a major in Environmental studies

A major in Environmental Studies constitutes the completion of 24 credit points of Senior units as listed in Table 1, including at least 12 credit points of Senior ENVI units of study listed below. Study of at least one Intermediate ENVI unit is highly recommended.

ENVI2111

Conservation Biology and Applied Ecology

Credit points: 6 **Teacher/Coordinator:** Dr C Taylor **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week plus one 2 day field trip during the semester. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Biology **Prohibitions:** ENVI2001, ENVI2911 **Assessment:** Essays, tutorial papers, exam

This topic examines the role of conservation biology and applied ecology in environmental science, examining pattern and process in natural systems and evaluating how these are being affected by pervasive anthropogenic impacts. Focusing on the conservation, assessment of impacts and the restoration of natural systems, we consider the range of ecological issues environmental scientists must address. We examine the extent of environmental problems; derive explanations of why and how they are occurring and address management options for resolving them. We will derive general principles for these by addressing case studies, chosen from Australian examples when possible. The aim of this unit is for you to understand the processes that go into solving environmental problems from an ecological perspective and how to identify management options.

ENVI2911

Conservation Biology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Charlotte Taylor Dr Clare McArthur **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week plus one 2 day field trip during the semester. **Prerequisites:** Distinction average in BIOL(1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and 6 credit points of Junior Physics). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** ENVI2001,

ENVI2111 **Assessment:** One 2 hour exam, field report, briefing paper, oral presentation.

Qualified students will participate in alternative components of ENVI2111, Conservation Biology, including an independent research project.

Textbooks

Caughley G & Gunn 1996 Conservation Biology in Theory and Practice, Blackwell; Oxford
Lindenmeyer D & Burgman M 2005 Practical Conservation Biology, CSIRO Publishing; Victoria
Attiwill P & Wilson B 2003 Ecology: An Australian Perspective, Oxford University Press

ENVI2112

Atmospheric Processes and Climate

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Chemistry or Physics **Prohibitions:** ENVI2002 **Assessment:** Assignments, tutorial papers, exam

This unit of study investigates the physical and chemical characteristics of our atmosphere, as well as the natural processes that occur within it and how these contribute to the climate we live in. Topics such as atmospheric structure, photochemical processes, and weather will be examined. The effects of ocean circulation are investigated, particularly examining the ocean's importance as a source/sink for atmospheric constituents and as a heat regulator. The impact of glaciation is also examined, including sources, quantity, magnitude of threat, and the potential impact to our climate, are then explored. Finally, the unit examines issues surrounding climate change and the modelling of these changes.

ENVI3111

Environmental Law and Ethics

Credit points: 6 **Teacher/Coordinator:** Dr Gerry Bates Dr Rachel Ankeny **Session:** Semester 1 **Classes:** Two 2 hour lectures per week. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001, ENVI3003. **Assumed knowledge:** Intermediate Environmental Science. **Assessment:** Essays, tutorial papers.

This unit of study covers topics in environmental law and ethics. The environmental law component provides an overview of all laws in Australia pertaining to environmental matters and looks at a number of environmental issues at the various levels of analysis, policy making, implementation of policy, enforcement, and dispute resolution. It also provides a broad background to the political and economical issues as they relate to the legal issues involved. It also examines international environmental law, particularly examining how these influence and affect our local policies. The ethics component helps students develop thoughtful and informed positions on issues in environmental ethics using arguments derived from traditional ethics as well as environmentally specific theories. Ethical conflicts are often inevitable and difficult to resolve but using the resources of philosophical ethics and regular reference to case studies, students can learn to recognize the values and considerations at stake in such conflicts, acknowledge differing viewpoints and defend their own well considered positions.

ENVI3112

Environmental Assessment

Credit points: 6 **Teacher/Coordinator:** Dr John Dee Dr Scott Kable **Session:** Semester 2 **Classes:** Two 2 hour lectures per week. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3002, ENVI3004. **Assumed knowledge:** Intermediate Environmental Science. **Assessment:** Essays, tutorial papers, report.

This unit of study is composed of two components: environmental impact assessment and risk assessment. The former is generally concerned with issues related to environmental impact assessment and builds toward the process of producing an EIS/EIA. Moor specifically it seeks to establish a critical understanding of the theory and practice of environmental impact studies/statements (EIS) and environmental impact assessment processes (EIA) from both the positive (scientific) and normative (value) perspectives. Emphasis is placed on gaining skills in writing and producing an assessment report,

which contains logically ordered and tightly structured argumentation that can stand rigorous scrutiny by political processes, the judiciary, the public and the media. The risk assessment component considers a more chemical approach to the assessment of risk and issues of safety with respect to chemicals, ecotoxicology and the environment.

ENVI3113

Environmental Economics and Planning

Credit points: 6 **Teacher/Coordinator:** Dr Tihomir Ancev, Dr John Dee
Session: Semester 1 **Classes:** 4 hours of lectures and one tutorial per week
Prerequisites: 12 credit points of Intermediate Science or Agriculture units
Prohibitions: ENVI3001 **Assumed knowledge:** Intermediate Environmental Science **Assessment:** Essays, tutorial papers/reports, exam

This unit of study covers topics in environmental economics and planning. The economics component will provide a general introduction to theoretical concepts and empirical work in natural resource and environmental economics. The basic economic concepts of consumption, choice, utility, production, costs, property rights, market failures, externalities and government institutions will be defined and discussed. A set of tools and methods that are used in resource and environmental economics practice will be introduced. These comprise optimisation, econometric and simulation models, as well as more specific methods such as benefit-cost analysis and non-market valuation methods. The concepts and tools will be applied to specific problems related to land and water. In particular, discussions will be focused on some of the following problems: agricultural and urban water supply and demand, water quality, land use, sustainable development. The planning component introduces the field of urban and regional planning and its application in Australia. The lectures cover a broad range of topics including urbanization, the scope of plan making, policy and implementation, development control measures, principles of environmental sustainability, indigenous development issues, and planning in regional and urban settings relevant to both the built and natural environment. The implications for planning in a liberal-pluralist political environment and the need to reconcile a wide range of competing interests in land use and natural resources will also be investigated.

ENVI3114

Energy and the Environment

Credit points: 6 **Teacher/Coordinator:** Dr Chris Dey **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour tutorial per week and three field trips. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001, PHYS3600. **Assumed knowledge:** Junior Physics or Intermediate Environmental Science. **Assessment:** Essays, tutorial papers, field reports, exam.

This unit covers the following aspects of energy and the environment: energy use; electrical power generation including alternate methods such as wind turbines; the environmental impact of energy use and power generation including the enhanced greenhouse effect; transportation and pollution; energy management in buildings; solar thermal energy, photovoltaics, and nuclear energy; and, socio-economic and political issues related to energy use and power generation.

Financial Mathematics and Statistics

This is an interdisciplinary major offered in the Faculty of Science consisting of several core units and a number of elective units from mathematics, statistics and information technologies. The program is designed to meet the need for high level quantitative and modelling skills in the banking, insurance, stockbroking and finance industries without constraining students to a full major in mathematics or statistics. Graduates with specifically strong mathematical and statistics backgrounds are in very high demand. The core units Optimisation and Financial Mathematics (MATH2070/2970) and Financial Mathematics 2 (MATH3015/3933) are the backbone of the program and introduce the student to important financial concepts within a mathematical and statistical framework. The core mathematics and statistics units provide the technical base that is required by a quantitative analyst, while the elective units offer the student increased flexibility and additional opportunities to develop related skills. Students

completing the program at the Advanced Level may continue into Fourth Year Honours where a number of further Financial Mathematics and Statistics units are on offer. It is envisaged that students completing the Honours program will not only be highly trained in quantitative finance, but will also be well prepared for active research in the field. Students should refer to Table 1 for an enrolment guide and to entries under the contributing Schools for unit of study descriptions.

Geosciences

The School of Geosciences offers units of study in the discipline areas of Geography and Geology & Geophysics. Students may take a major in either of these disciplines, and many of the Geoscience units also form key components of the Environmental Studies and Marine Science majors. The junior units GEOS1001, GEOS1002 and GEOS1003 provide a comprehensive introduction to both Geography and Geology & Geophysics. A major in Geography or Geology & Geophysics can be included within various degree programs across the University, including Science, Arts, Liberal Studies, Economics and Social Sciences.

Geography

Geography is the study of earth as the home of people. As the need to find solutions to issues of environmental sustainability, population change and globalisation have become more challenging, the skills and knowledge of geographers have come to the forefront. Students of Geography are interested in their world, and are taught to think critically about the relationships between people, environments and places. The knowledge and skills gained from studying Geography at the University of Sydney provide a launch pad to a professional career in an array of fields including environmental management, planning, overseas development and consulting research. Our Geography program has strong linkages with various national and international organizations that provide pathways for further studies at Honours and post-graduate levels, and into the work force. It differs from High School Geography in that it provides more opportunities for independent learning, introduces new techniques and skills, offers flexibility for you to follow your interests and is tailored to real world events and issues.

Geology and Geophysics

Geology & Geophysics provides a unifying context for understanding the workings of the earth system and the dynamic structural and ecosystem relationships between the continents and the oceans. Global climate change and shrinking resources have heightened our sense of dependence on Earth as a complex system. Geology & Geophysics provides students with an understanding of change on Earth, its origin, plate tectonics, surface processes, evolution of life and geologic time. Intermediate units highlight the role of the earth system in all natural phenomena, including those of concern to humans such as geo-biodiversity, salinity, seismicity, volcanic hazards, climate and sea level change. Senior units of study cover methods of field data collection and provide access to cutting edge computing and data resources used for turning such observations into knowledge. Students will acquire the skills necessary for employment in all areas of sustainable exploration and management of our natural, mineral and energy resources.

Geosciences Advice

As a Geoscience student at the University of Sydney, you will participate in an array of learning environments that complement traditional lecture and tutorial classes; for example, studies can include field trips to destinations in Australia and overseas. Students who wish to obtain advice concerning the units of study described below should approach School advisors during the enrolment week or the unit coordinators during semester. Further information is available at www.geosci.usyd.edu.au, as well as in the Geosciences' student handbook available from the School's administrative office (Room 348, Madsen Building).

Website

The School of Geosciences website is located at: <http://www.geosci.usyd.edu.au/>

Location

The School of Geosciences is located within two buildings. Staff with expertise in Geography, and the Head of School, are located on the second floor of the Madsen Building (F09). The Demountables (H11) houses staff with expertise in Geology and Geophysics. All enquiries can be made at the Madsen Building, Room 470, 8.30am to 4.30pm, Mon to Fri.

Further information

Further information is available at www.geosci.usyd.edu.au, as well as in the Geosciences' student handbook available from the School's administrative office (second floor, Madsen Building).

Geosciences junior units of study

Students are encouraged to commence their studies of Geography, Geology & Geophysics, Environmental Studies or Marine Science by enrolling in GEOS1001 (Earth, Environment and Society) (February semester). This unit of study provides an overarching introduction to issues and themes taught across the School of Geosciences. In the second (July) semester, Geography students should enroll in GEOS1002 (Introductory Geography); Geology & Geophysics students need to enroll in GEOS1003 (Introduction to Geology). Entry into any of these units of study does not require any prior knowledge

GEOS1001

Earth, Environment and Society

Credit points: 6 **Teacher/Coordinator:** Dr Tom Hubble, Dr Mel Neave, Dr Bill Pritchard **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prohibitions:** GEOS1901, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 **Assessment:** One 2 hour exam, 2000 word essay, field and prac reports

This Unit of Study examines interactions between the physical Earth and the activities of its growing population of human inhabitants. Several themes will be explored to provide students with an overview of the way that the earth's physical systems have come into being and how they function. Firstly, past geological events will be used to illustrate how habitats and ecosystems respond to environmental crises. Secondly, models of environmental and climate change will be examined. Thirdly, the requirements of growing human populations and their ecological footprints will be investigated. These three themes will then be integrated to enable students to think critically about the key issues facing the future of the planet, and provide a foundation for future studies in Geography and Geology.

GEOS1002

Introductory Geography

Credit points: 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prohibitions:** GEOS1902, GEOG1001, GEOG1002 **Assessment:** One 2 hour exam, one 2000 word essay, five practical reports

This unit of study provides an introductory geographical analysis of the ways in which places and landscapes are produced. The unit focuses on both the physical and human processes that generate spatial variation and difference, as well as tracing the interactions between these processes. The unit will begin with an investigation of Earth's surface features, exploring the distribution of landforms across Earth and interpreting their evolutionary histories. Several landscapes will be examined including those formed by rivers, wind, oceans and glaciers. But physical landscapes evolve under the influence of and affect human operations. Therefore, the unit of study will also consider the political, economic, cultural and urban geographies which shape contemporary global society. Each of these themes will be discussed with reference to key examples, in order to consider the ways in which the various processes (both physical and human) interact in the shaping of places. The unit of study will also include short field trips to localities surrounding the university to observe processes of spatial change and conflict. The unit of study is designed to attract and interest students who wish to pursue geography as a major within their

undergraduate degree, but also has relevance to students who wish to consider the way geographers understand the contemporary world.

GEOS1003

Introduction to Geology

Credit points: 6 **Teacher/Coordinator:** Dr Tom Hubble, A/Prof Clarke, Dr Julie Dickinson **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour practical per week. **Prohibitions:** GEOS1903, GEOL1002, GEOL1902 **Assessment:** One 2 hour exam, practical reports, field report

The aim of this unit of study is to examine the chemical and physical processes involved in mineral formation, the interior of the Earth, surface features, sedimentary environments, volcanoes, and metamorphism. Lectures and laboratory sessions on mountain building processes and the formation of mineral deposits will lead to an understanding of the forces controlling the geology of our planet. Processes such as weathering, erosion and nature of sedimentary environments are related to the origin of the Australian landscape. In addition to laboratory classes there is a two-day excursion to the western Blue Mountains and Lithgow to examine geological objects in their setting.

Textbooks

The recommended text is Hamblin & Christiansen (2001) *Earth's Dynamic Systems*, 9th Edition, Prentice Hall. This book can be purchased from the Co-op Bookshop.

GEOL1501

Engineering Geology 1

Credit points: 6 **Session:** Semester 2 **Classes:** 39 hours lectures, 26 hours laboratory. Field excursions in the Sydney region, as appropriate. **Prohibitions:** GEOL1002 **Assumed knowledge:** No previous knowledge of Geology assumed **Assessment:** Practical laboratory work, assignment, and a combined theory and practical exam.

Course objectives: To introduce basic geology to civil engineering students. Expected outcomes: Students should develop an appreciation of geologic processes as they influence civil engineering works and acquire knowledge of the most important rocks and minerals and be able to identify them. Syllabus summary: Geological concepts relevant to civil engineering and the building environment. Introduction to minerals; igneous, sedimentary and metamorphic rocks, their occurrence, formation and significance. General introduction to physical geology and geomorphology, structural geology, plate tectonics, and hydrogeology. Associated laboratory work on minerals, rocks and mapping.

Textbooks

T West, *Geology Applied to Engineering*; or
A Holmes, *Principles of Physical Geology* 4th Edition.

GEOS1901

Earth, Environment and Society Advanced

Credit points: 6 **Teacher/Coordinator:** Dr Tom Hubble, Dr Mel Neave, Dr Bill Pritchard **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOS1001, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 **Assessment:** One 2 hour exam, 2000 word essay, field and prac reports

Note: Department permission required for enrolment.

Advanced students will complete the same core lecture material as for GEOS1001, but will be required to carry out more challenging practical assignments.

GEOS1902

Introductory Geography (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practicals per week. **Prerequisites:** Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOS1002, GEOG1001, GEOG1002 **Assessment:** One 2 hour exam, one 2000 word essay, five practical reports

Note: Department permission required for enrolment.

Advanced students will complete the same core lecture material as for GEOS1001, but will be required to carry out more challenging practical assignments.

GEOS1903

Introduction to Geology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Tom Hubble, A/Prof Clarke, Dr Julie Dickinson **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour practical per week. **Prerequisites:** Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOL1002, GEOL1902, GEOS1003 **Assessment:** One 2 hour exam, practical reports, field report

Note: Department permission required for enrolment.

This unit has the same objectives as GEOS1003 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. This unit may be taken as part of the BSc (Advanced).

Geosciences intermediate units of study

Geoscience intermediate units of study are listed below. All intermediate students are encouraged to enroll in GEOS2111 (Natural Hazards: a GIS Approach) which covers concepts and skills relevant to all Geoscience disciplines. Students interested in different areas of the Geoscience disciplines might select intermediate units of study as follows: physical and environmental Geography: GEOS2111 and/or GEOS2113 (Feb semester); GEOS2121 and/or GEOS2124 (July semester), human and environmental Geography: GEOS2112 and/or GEOS2111 (Feb semester); GEOS2122 and/or GEOS2121 (July semester), Geology & Geophysics: GEOS2111, GEOL2112 and/or GEOS2114 (Feb semester); GEOS2124 and/or GEOS2121 (July semester). Regardless, subject to the prerequisites for each individual unit of study, students may vary their enrolment across these streams. The School of Geosciences encourages students to construct a sequential ordering of units that best meets their interests and aspirations.

GEOG2321

Fluvial and Groundwater Geomorphology

Credit points: 6 **Teacher/Coordinator:** Dr Melissa Neave **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** GEOG(2311 or 2001) or 36 credit points of Junior study including GEOG1001 or ENVI (1001 or 1002) or GEOL (1001 or 1002 or 1501). Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology (or Land and Water Science), Chemistry and Mathematics. Students in the Bachelor of Land and Water Science should have ENVI1002, 12 credit points of Chemistry, 6 credit points of Biology, BIOM1002. **Prohibitions:** GEOG (2002 or 2302 or 2303) or MARS2002 or MARS2006 **Assessment:** One 2 hr exam, one quiz, one field report, practical exercises

This unit of study provides an introduction to the fundamentals of fluvial geomorphology (the study of surface water as an agent of landscape change) and groundwater hydrology. The fluvial geomorphology section of the unit will describe the movement of water in stream channels and investigate the landscape change associated with that movement. Topics to be covered will include open channel flow hydraulics, sediment transport processes and stream channel morphology. Practical work will focus on the collection and analysis of field data. The quantity and quality of the groundwater resources are closely linked to geology and fluvial geomorphology. The groundwater section of this unit is based around four common groundwater issues: contamination, extraction, dryland salinity and groundwater-surface water interaction. In the practical component, common groundwater computer models such as FLOWTUBE and MODFLOW will be used to further explore these problems.

Textbooks

Recommended Textbooks: Fetter (2001) & Knighton (1998)

GEOS2111

Natural Hazards: a GIS Approach

Credit points: 6 **Teacher/Coordinator:** Dr Eleanor Bruce Dr Michael Hughes and others **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 24 credit points of junior units of study including one of GEOS1001 or GEOS1002 or GEOS1003 or GEOG1001 or GEOG1002 or ENVI1002 or GEOL1001 or GEOL1002 **Prohibitions:** GEOS2411, GEOS2911 **Assessment:** One 2 hour exam, one assignment, report.

The geosciences provide an essential framework for understanding the environmental response to short- and long-term geologic, oceanic and atmospheric processes. This unit of study introduces students to a variety of natural phenomena that affect society with impact levels ranging from nuisance to disastrous. The discussion of each hazard focuses on: (1) the process mechanics, (2) hazards and risk, and (3) methods for mitigation. Geographic Information Systems (GIS) are used by scientists, planners, policy-makers and the insurance industry alike to address many issues relating to natural hazards. This unit of study will introduce students to the major concepts relating to GIS and provide practical experience in the application of GIS techniques to hazard mapping, risk assessment and mitigation.

GEOS2112

Economic Geography of Global Development

Credit points: 6 **Teacher/Coordinator:** Dr Bill Pritchard, A/Prof Phil Hirsch **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1002 or GEOG1001 **Prohibitions:** GEOS2912, GEOG2511 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical report

In this unit of study, students will be introduced to the sub-discipline of economic geography by way of debates on the spatial character of global development. We focus on questions relating to who are the winners and losers from contemporary patterns of global economic change. This includes the analysis of relevant conceptual approaches to these questions (including comparative advantage, global commodity chain theory, regionalism, economic governance etc), plus 'hands-on' examination of the key institutions (such as the WTO and ADB) driving these changes. In general, issues are tailored to themes being played out in Asia-Pacific countries. Students are expected to participate in a variety of practical class exercises throughout the semester, which will include presenting the fruits of independent research activities. This unit provides an especially relevant feeder-unit into GEOS 3053/ GEOS 3054, the Asia-Pacific Field School.

Textbooks

P. Dicken (2003) Global Shift, Sage, London.

GEOS2113

Making the Australian Landscape

Credit points: 6 **Teacher/Coordinator:** Associate Professor D. Dragovich Dr S.J. Gale **Session:** Semester 1 **Classes:** Two - three 1 hour lectures and one - two 1 hour practicals per week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1002 or GEOS1003 or GEOS1902 or GEOS1903 or GEOG1001 or ENVI1002 or GEOL1001 or GEOL1002 or GEOL1902 **Prohibitions:** GEOS2913 **Assessment:** One 2 hour examination, practical reports.

The shifts in the nature of the Earth's environment over time and the resultant changes in process regimes have had dramatic impacts on the way the Australian physical landscape has evolved. We consider here the effects of these changes on the broad pattern of the landscape, focusing particularly on slopes and soils. We follow this by investigating the environmental changes that have taken place since the end of the last glacial, the time when the continent's climates and environments first took on a recognisably modern form. We deal specifically with the impact of human activity on the Australian biophysical environment, emphasising both pre-European impacts and those changes that have taken place since European contact.

GEOS2114

Volcanoes, Hot Rocks and Minerals

Credit points: 6 **Teacher/Coordinator:** Dr Derek Wyman, Dr Patrice Rey, Dr Geoff Clarke **Session:** Semester 1, Summer Late **Classes:** Two 1 hour lectures

and one 3 hour practical per week. **Prerequisites:** GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903 or ENVI1002 and 24 credit points of Junior Science units of study. **Prohibitions:** GEOL2111, GEOL2911, CIVL2409, GEOS2914 **Assessment:** One 2 hour exam, practical reports, field trip report, group presentation

This advanced unit of study relates the plate tectonics of subduction zones to a) volcanoes and their hazards, b) geological processes in the deep crust, and c) the formation of precious metal and gemstone ores around the Pacific Rim. A problem solving approach is used to develop the skills required to understand the history of individual volcanoes and predict their future activity and hazards. The unit includes a two- to three-day field trip to study an extinct volcano in NSW. Practical work includes independent study of igneous systems, rocks, and minerals employing both microscope-based techniques and computer modeling. A field excursion to volcanic terranes of New Zealand (North Island) is optional. The unit provides relevant knowledge for GEOS 3006 and GEOS 3906, Mineral Deposits & Spatial Data Analysis.

GEOS2121

Environmental and Resource Management

Credit points: 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week, one fieldtrip. **Prerequisites:** 24 credit points of junior units of study, including one of: GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or ECOP1001 or ECOP1002 **Prohibitions:** GEOG2421, GEOL2202, GEOS2921 **Assessment:** One 2 hour exam, one 2000 word essay, tutorial papers, one fieldtrip report

This unit of study explores cultural constructions of nature and resources, the evolution of environmental thought and the debates about sustainable development. It integrates environmental, economic, cultural and social considerations, with particular regard to water, mining, forestry and fishing industries in Australia and other countries. The unit includes a fieldtrip to the Hunter Valley to look at geological and geographical issues pertaining to mines, wines and the thoroughbred breeding industries in this region. The unit of study enables students to learn about the economics of resource extraction and the social, cultural and environmental considerations that must be taken into account when developing and implementing environmental and resource management policies.

GEOS2122

Urban Geography

Credit points: 6 **Teacher/Coordinator:** Prof John Connell, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or ECOP1001 or ECOP1002. **Prohibitions:** GEOS2922, GEOG2521 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical reports

By their very nature, cities are full of different people doing all sorts of different things. These activities all have their own geographies, people make the most of urban spaces available to them, and they shape and produce new kinds of cities through their actions. These urban geographies are unstable and contested. In fact, efforts to shape urban spaces in particular ways are fundamentally dynamic and political. This course will examine the politics of a range of different practices which use and shape urban space, such as shopping, eating, crime, religion, language, protest, sport, music, sex, mobility, and hanging out. In considering these various practices, we will investigate how different people perceive space and construct space, primarily in western contexts. The course as a whole seeks to understand the cultural and political dimensions of everyday life in cities, and to develop new perspectives on metropolitan change.

GEOS2124

Fossils and Tectonics

Credit points: 6 **Teacher/Coordinator:** Dr Julie Dickinson, A/Prof Dietmar Muller, Dr Patrice Rey, Prof Peter Hatherly **Session:** Semester 2 **Classes:** Two 1 hour lectures plus one 3 hour practical each week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1003 or GEOS1903 **Prohibitions:** GEOS2924, GEOL2123, GEOL2124 **Assessment:** One 2 hour exam, practical reports, field report

The unit aims to convey how fossils, stratigraphic and structural data are used together to determine ages and environments and the deformation history of rock layers. It covers an introduction to historical geology and the evolution of the major fossils groups. Methods of stratigraphic age determination include litho-, bio-, chemo-, magneto-stratigraphy, as well as radiometric geochronology and the stratigraphic characteristics of the main geological time intervals. Structural methods are focused on brittle deformation in the upper crust and sediments. Students will gain familiarity with the most important fossil groups and how to identify them, and with the most important types of faults and folds. The formation of fossil fuels such as coal, oil and gas will also be covered in an earth history and resource exploration context. The simultaneous use of fossils, stratigraphy and structure to unravel the geological history of a set of exposed rock layers is demonstrated during a field excursion to Yass.

Textbooks

Classnotes by Dickinson et al. available in co-op bookshop

GEOS2911

Natural Hazards: a GIS Approach Advanced

Credit points: 6 **Teacher/Coordinator:** Dr Eleanor Bruce Dr Michael Hughes and others. **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 24 credit points of junior units of study including GEOS1001 or GEOS1002 or GEOS1003 or GEOG1001 or GEOG1002 or ENVI1002 or GEOL1001 or GEOL1002 **Prohibitions:** GEOG2411, GEOS2111 **Assessment:** One 2 hour exam, one assignment, practical report.

The geosciences provide an essential framework for understanding the environmental response to short- and long-term geologic, oceanic and atmospheric processes. This unit of study introduces students to a variety of natural phenomena that affect society with impact levels ranging from nuisance to disastrous. The discussion of each hazard focuses on: (1) the process mechanics, (2) hazards and risk, and (3) methods for mitigation. Geographic Information Systems (GIS) are used by scientists, planners, policy-makers and the insurance industry alike to address many issues relating to natural hazards. This unit of study will introduce students to the major concepts relating to GIS and provide practical experience in the application of GIS techniques to hazard mapping, risk assessment and mitigation.

GEOS2912

Economic Geography of Global Dev. Adv.

Credit points: 6 **Teacher/Coordinator:** Dr Bill Pritchard, A/Prof Phil Hirsch **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practicals per week. **Prerequisites:** 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 **Prohibitions:** GEOS2112, GEOG2511 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical reports.

This is an Advanced version of GEOS2112. In this unit of study, students will be introduced to the sub-discipline of economic geography by way of debates on the spatial character of global development. We focus on questions relating to who are the winners and losers from contemporary patterns of global economic change. This includes the analysis of relevant conceptual approaches to these questions (including comparative advantage, global commodity chain theory, regionalism, economic governance etc), plus 'hands-on' examination of the key institutions (such as the WTO and ADB) driving these changes. In general, issues are tailored to themes being played out in Asia-Pacific countries. Students are expected to participate in a variety of practical class exercises throughout the semester, which will include presenting the fruits of independent research activities. This unit provides an especially relevant feeder-unit into GEOS3053/GEOS3054, the Asia-Pacific Field School.

Textbooks

P. Dicken (2003) Global Shift, Sage, London.

GEOS2914

Volcanoes, Hot Rocks and Minerals Adv

Credit points: 6 **Teacher/Coordinator:** Dr Derek Wyman Dr Patrice Rey Dr Geoff Clarke **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 24 credit points of Junior Science units of study and Distinction in one of GEOL1002 or GEOS1002 or ENVI1002. This requirement may be varied and students should consult the unit of study

coordinator. **Prohibitions:** GEOL2001, CIVL2409, GEOS2114 **Assessment:** One 2 hour exam, practical reports, field trip report, group presentation.

This unit has the same objectives as GEOS2114 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. This unit may be taken as part of the BSc (Advanced).

Textbooks

No required textbook. Course notes available.

GEOS2921

Environmental & Resource Management Adv

Credit points: 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour tutorial per week and one fieldtrip. **Prerequisites:** 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS 1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 **Prohibitions:** GEOG2421, GEOL2202, GEOS2121 **Assessment:** One 2 hour exam, one 2000 word essay, one 2500 word essay, one fieldtrip report

Advanced students will complete the same core lecture materials as for GEOS2121 but are required to complete an essay in place of the regular tutorial reports prepared in GEOS2121.

GEOS2922

Urban Geography (Advanced)

Credit points: 6 **Teacher/Coordinator:** Prof John Connell, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS 1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 **Prohibitions:** GEOS2122 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical reports

By their very nature, cities are full of different people doing all sorts of different things. These activities all have their own geographies, people make the most of urban spaces available to them, and they shape and produce new kinds of cities through their actions. These urban geographies are unstable and contested. In fact, efforts to shape urban spaces in particular ways are fundamentally dynamic and political. This course will examine the politics of a range of different practices which use and shape urban space, such as shopping, eating, crime, religion, language, protest, sport, music, sex, mobility, and hanging out. In considering these various practices, we will investigate how different people perceive space and construct space, primarily in western contexts. The course as a whole seeks to understand the cultural and political dimensions of everyday life in cities, and to develop new perspectives on metropolitan change.

GEOS2924

Fossils and Tectonics (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Julie Dickinson, A/Prof Dietmar Muller, Dr Patrice Rey, Prof Peter Hatherly **Session:** Semester 2 **Classes:** Two 1 hour lectures plus one 3 hour practical each week. **Prerequisites:** Distinction in GEOS1003 or Distinction average in 12 credit points of Junior Geoscience units (Geoscience is the disciplines of Geography, Geology and Geophysics) **Prohibitions:** GEOS2124, GEOL2123, GEOL2124 **Assessment:** One 2 hour exam, practical reports, field report

This unit has the same objectives as GEOS2124 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. This unit may be taken as part of the BSc (Advanced).

Textbooks

Classnotes by Dickinson et al. available in co-op bookshop

Geosciences senior units of study

Geosciences Senior units of study provide specialist themes or topics relevant to ongoing studies or professions. Students may select from any of the units listed below.

Geography Major

The requirements for a Major in Geography are defined in Table 1. As with intermediate units, students would normally select sequential units of study from one of four overlapping streams - Physical Geography, Environmental Geography, Human Geography, and Geographic Computer Methods - although students may construct any ordering of these units that cater to their interests and aspirations, subject to satisfying any prerequisites.

Physical Geography stream

GEOS3009/3909 (Coastal Environments & Processes); GEOS3015/3915 (Environmental Geomorphology), GEOS3016/3916 (Seafloor Processes & Imaging)

Environmental Geography stream

GEOS3017/3917 (Global Energy-Exploration & Exploitation), GEOS3014/3914 (GIS in Coastal Management), GEOS3018/3918 (Rivers: Science, Policy and Management) GEOS3511/3911 (Understanding Australia's Regions)

Human Geography stream

GEOS3053/3953 (Asia-Pacific field school-Assessment A), GEOS3054/3954 (Asia-Pacific field school-Assessment B), GEOG3522/3922 (Cities and Citizenship), GEOS3521/3921 (Sustainable Cities), GEOS3512/3912 (Contemporary Global Geographies)

Geographic Computer Methods stream

GEOS3014/3914 (GIS in Coastal Management), GEOS3007/3917 (Remote Sensing: Imaging the Earth), GEOS3016/3916 (Seafloor Processes & Imaging).

Streams in Geology and Geophysics

Students can select units from three streams - Resource Exploration, Geological Hazard Management or Environmental and Engineering Site Investigation, and Computer Methods in Geology and Geophysics - or a more general training, to obtain vocational training for their future careers, as outlined below:

Resource Exploration

GEOS3008/3908 (Geology field school), GEOS3004/3904 (Geophysics, Imaging, Oil/Ore Production), GEOS3006/3906 (Mineral Deposits) and one of GEOS3003/3903 (Dynamics of Continents and Basins), GEOS3007/3907 (Remote Sensing: Imaging the Earth), GEOS3016/3916 (Seafloor Processes & Imaging) or GEOS3017/3907 (Global Energy-Exploration & Exploitation);

Geological Hazard Management or Environmental and Engineering Site Investigation

GEOS3008/3908 (Geology field school), GEOS3003/3903 (Dynamics of Continents and Basins), GEOS3004/3904 (Geophysics, Imaging, Oil/Ore Production), GEOS3007/3907 (Remote Sensing: Imaging the Earth).

Computer Methods in Geology and Geophysics

GEOS3008/3908 (Geology field school), GEOS3004/3904 (Geophysics, Imaging, Oil/Ore Production), GEOS3007/3907 (Remote Sensing: Imaging the Earth), GEOS3014/3914 (GIS in Coastal Management), GEOS3016/3916 (Seafloor Processes & Imaging).

General Training

GEOS3008/3908 (Geology field school), GEOS3003/3903 (Dynamics of Continents and Basins) and GEOS3007/3907 (Remote Sensing: Imaging the Earth) as well as one of GEOS3009/3909 (Coastal Environments & Processes), GEOS3017/3917 (Global Energy-Exploration & Exploitation), GEOS3006/3916 (Mineral Deposits), GEOS3007/3917 (Remote Sensing: Imaging the Earth), or GEOS3018/3918 (Rivers: Science, Policy & Management).

GEOS3003

Dynamics of Continents and Basins

Credit points: 6 **Teacher/Coordinator:** A/Prof Dietmar Muller, Dr Patrice Rey **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour practical per week; excursion **Prerequisites:** (6 credit points of Intermediate Geoscience

units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOL3101, GEOS3903 **Assessment:** One 2 hour theory exam, class work

The Earth's crust hosts mineral and energy resources that have sustained our civilisation over the past five thousand years. These resources are formed along plate boundaries and in sedimentary basins. They are the by-products of dynamic and thermal processes that have affected the lithosphere since its formation in the Archaean. This unit focuses on the understanding the thermal and mechanical aspects of lithospheric deformation from continental break-up and basin formation and evolution to continental convergence and orogenesis. The main topics of this module include: Mantle convection, oceanic lithospheric evolution, heat transfer in the lithosphere; Isostasy and vertical motion of the Earth's surface; Plate boundaries, body forces and the dynamic of the Earth's lithosphere; Rheology of the lithosphere; Continental break-up and the formation of continental margins and basins; Thermo-mechanics of sedimentary basins; Thermo-mechanics of orogenesis; and, Thermal consequences and tectonic feedback of geodynamic processes. Practical classes are designed to enhance problem solving abilities, computational and communication skills as well as building a profound knowledge in Tectonics and Geodynamics. The course is relevant to all students interested in using computational methods to learn how the Earth works.

GEOS3004

Geophysics, Imaging, Oil/Ore Production

Credit points: 6 **Teacher/Coordinator:** Prof Iain Mason **Session:** Semester 2 **Classes:** 12 hours of lectures, practicals per week. **Prerequisites:** 12 credit points of Intermediate Science units of study or CIVL2409 **Prohibitions:** GEOP3202, GEOS3904 **Assessment:** One 2 hour theory exam, computer class work

This unit examines the use of computerised geophysical techniques to map high value sites. Sites of interest range from oil fields through mine sites to archaeological digs. Data sources include micro-gravity surveying, magnetism and aero-magnetism; radiometry, short-and long-range surveillance and tracking. The course is designed around the reality that while people, as much as data acquisition and reduction technology have influenced modern geophysics, recently, major strides have been made in digital data acquisition and reduction. Lectures deal with the creation, inversion and application of 2D and 3D potential and wave fields. Lab classes extend skills in computer aided image processing.

GEOS3006

Mineral Deposits & Spatial Data Analysis

Credit points: 6 **Teacher/Coordinator:** Dr Derek Wyman **Session:** Semester 2 **Classes:** 12 hours of lectures, practicals per week; field excursion. **Prerequisites:** 12 credit points of Intermediate Science units of study or CIVL2409 **Prohibitions:** GEOL3103, GEOS3906 **Assessment:** One 2 hour theory exams, class work and field reports

Global-scale tectonics and continental growth are examined in terms of their relationships to mineral deposits over the last 3.5 billion years. Deposits of metals and precious gems are linked to igneous rocks and hydrothermal fluids, which provide the basis for exploration strategies, account for specific ore deposit characteristics, and determine appropriate mining techniques. Representative ore deposits from New South Wales, Australia, and overseas will be included as case studies for a wide array of mineralisation types. Practical components of the course will introduce specimens of ore deposits and associated rocks and the spatial analysis of geological data at the global to district scale. In addition to laboratory classes there will be a four-day field excursion to active and historic mining sites in New South Wales.

GEOS3007

Remote Sensing: Imaging the Earth

Credit points: 6 **Teacher/Coordinator:** Dr Geoff Clarke **Session:** Semester 1 **Classes:** 12 hours of lectures, practicals per week. **Prerequisites:** 12 credit points of Intermediate Science units of study or CIVL2409 **Prohibitions:**

GEOL3101 **Assessment:** Practical work, one 2 hour computer-based examination and an assignment

This unit of study initially addresses the evolution of the Australian landscape, involving tectonic influences, long-term climate variation and the effects of bedrock weathering. The unit then provides a comprehensive introduction to the use and manipulation of computer-based imaging techniques at the microscopic to macroscopic scales in the Earth Sciences. The application of image analysis as a tool in the interpretation of remote sensing techniques to geological terranes and landscapes is covered in computer-based practical exercises that use a mixture of Landsat thematic mapper, airborne radiometric and magnetic databases. Integrated lectures and laboratory exercises focus on the use of processed images in mineral exploration, tectonic analysis, and environmental studies.

GEOS3008

Field Geology and Geophysics

Credit points: 6 **Teacher/Coordinator:** Dr Patrice Rey, Prof Peter Hatherley **Session:** Semester 2 **Classes:** (weeks 1-7) 14 days of field work **Prerequisites:** 12 credit points of Intermediate GEOS units **Prohibitions:** GEOL3103, GEOS3908 **Assessment:** The field work will be assessed by written reports (up to 30 pages in total) and field exercises

This unit is considered an essential component all Geology and Geophysics majors. All students will undertake a range of exercises, but concentrate on aspects that emphasise their chosen major: (1) field mapping and the analysis of geological objects in the field, in weakly to complexly deformed sedimentary and volcanic sequences; (2) field investigations of mineral deposits and their relationships to host rocks; and (3) the practical application of magnetic and electrical methods commonly employed in the search for mineral deposits. The field course complements other subject areas in Geology & Geophysics and will give students experience in the field identification of rocks and minerals, regional geology, stratigraphy, structure and rock relationships. Students will be required to pay the cost of hostel-style accommodation during field work, which may involve camping.

GEOS3009

Coastal Environments & Processes

Credit points: 6 **Teacher/Coordinator:** Prof Andy Short, Dr Michael Hughes **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week; weekend excursion. **Prerequisites:** (6 credit points of Intermediate Geoscience* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOS3909, MARS3003, MARS3105 **Assessment:** One 2 hour exam, two 1500 word reports.

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics.*

Australian coastal environments are dynamic systems responding to input sediments and processes as well as solid boundary conditions. The first half of this unit focuses on high-energy wave and wind dominated coastal systems; in particular the beach-surf zone, dunes and barriers, including their Holocene/Quaternary evolution. The regional impact of waves, tides, embayments, and other environmental parameters in controlling morphology are addressed. The second half of this unit focuses on the smaller-scale processes controlling beach-surf zone morphology. In particular, how waves and currents drive beach and bar morphodynamics via sediment transport. The practical program uses real data sets collected during recent research programs and during a weekend field excursion, and they address issues specifically relevant to Australia's coastline.

Textbooks

Recommended:

Short, A D (ed), 1999, Beach and Shoreface Morphodynamics. John Wiley & Sons, Chichester, 379 pp.

Course notes will be available from the Photocopy Centre.

GEOS3014

GIS in Coastal Management

Credit points: 6 **Teacher/Coordinator:** Dr Eleanor Bruce, Dr Peter Cowell. **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2 hour practical per week. **Prerequisites:** MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. **Prohibitions:** GEOS3914, MARS3104. **Assessment:** One 2 hour exam, two project reports, quizzes.

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics.*

Coastal Management is about how scientific knowledge is used to support policy formulation and planning decisions in coastal environments. The course links coastal science to policy and practice in management of estuaries, beaches and the coastal ocean. The principles are exemplified through specific issues, such as coastal erosion, pollution, and impacts of climate-change. The issues are dealt with in terms of how things work in nature, and how the issues are handled through administrative mechanisms. These mechanisms involve planning strategies like Marine Protected Areas and setback limits on civil development in the coastal zone. At a practical level, the link between science and coastal management is given substance through development and use of 'decision-support models'. These models involve geocomputing methods that entail application of simulation models, remotely sensed information, and Geographic Information Systems (GIS). The course therefore includes both principles and experience in use of these methods to address coastal-management issues. (It thus also involves extensive use of computers.) Although the focus is on the coast, the principles and methods have broader relevance to environmental management in particular, and to problem-solving in general. That is, the course has vocational relevance in showing how science can be exploited to the benefit of society and nature conservation.

Textbooks

Burrough, P.A. and McDonnell, R.A., 1998. Principles of Geographical Information Systems: Spatial information systems and geostatistics. Oxford University Press, Oxford, 333 pp.

GEOS3015

Environmental Geomorphology

Credit points: 6 **Teacher/Coordinator:** A/Professor Deirdre Dragovich, Dr Stephen Gale. **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour tutorial and one 2 hour practical per week or equivalent. **Prerequisites:** 24 credit points of Intermediate units, including 6 credit points of Intermediate Geography. **Prohibitions:** GEOS3915 **Assumed knowledge:** Intermediate geomorphology/ physical geography/ geology. **Assessment:** One 2 hour exam, practical & field reports

The first part of this unit deals with the effects of weathering on the physical and the built environment, and considers the relationship between soil and landforms. The second part investigates the environmental changes that have taken place since the end of the last glacial, the time when the world's climates and environments first took on a recognisably modern form. It deals specifically with changes to the Australian biophysical environment and will focus on human-environmental impacts, both under pre-European and post-contact conditions.

GEOS3016

Seafloor Processes & Imaging

Credit points: 6 **Teacher/Coordinator:** Dr Dietmar Müller, Dr Julie Dickinson. **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week; one-day excursion. **Prerequisites:** 12 credit points of Intermediate Geoscience or ((one of MARS2005 and MARS2905) and (one of MARS2006 and MARS2906)) **Prohibitions:** GEOS3916, MARS3005, MARS3106 **Assessment:** One 2 hour exam, prac reports.

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics.*

Exploring the sediments and rocks that make up the continental shelves and deep ocean floor requires the use of remote sensing techniques, and the analysis of geological and geophysical data. This course teaches analytical and interpretive skills in both these areas, with a focus on the interaction of physical, biological and chemical processes on the sea floor. The aim of this course is to provide the student with skills to analyse sea floor environments and interpret a variety of relevant geological and geophysical datasets, including include side-scan sonar, swath-mapping, magnetics, gravity, and seismic reflection data. Students will also gain the skills to investigate marine sedimentary successions. The practical exercises will provide an introduction to standard data analysis tools such as Matlab, and the use of Australian and world data-bases. Students will also be introduced to seafloor samples from the shelf, slope and deep-ocean, where the role of physical and biological activity on the sediment characteristics will be examined. The course is relevant to students

interested in seafloor environments, marine geology and geophysics, and computer-based marine data analysis.

GEOS3017

Global Energy-Exploration & Exploitation

Credit points: 6 **Teacher/Coordinator:** Prof Peter Davies, Dr Gavin Birch. **Session:** Semester 1 **Classes:** Four 1 hour lectures per week and fieldschool. **Prerequisites:** MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. **Prohibitions:** GEOS3917, MARS3008. **Assessment:** One 2 hour exam, report

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics. There are a limited number a places available at this fieldschool.*

This unit is aimed at geoscientists, biologists, environmental and marine scientists who are interested in the energy resources, particularly in the context of the evolution of coral reefs and how they have been affected by changing short and long-term environmental conditions. This interdisciplinary unit provides an introduction to offshore energy and coral reefs and explores this complex system in relation to geology, biology and ecology as well as the oceanographic setting. The unit acquaints students with tools currently being used in the industry and is underpinned by modern concepts of basin architecture and petroleum economics. Exploration techniques include the principals and practice of electrical logging, source rock evaluation and reservoir quality assessment. The controlling influence of basin architecture is examined in terms of critical factors such as hydrocarbon source, migration and entrapment are used to demonstrate climatic and tectonic control. Students will also become familiar with the factors and processors that control the structure, morphology, sediments and distribution of coral reefs and how they function as part of larger ecosystem. The unit is based on problem solving by groups and is underpinned by closely integrating geology, geophysics, marine science and economics. The theoretical base developed in course work will be used to solve a real-world exploration case study, using petroleum industry techniques and by simulating an economic competitive environment. The unit will include a 5 day field trip to the Great Barrier Reef. Students will be required to meet associated travel and accommodation costs.

GEOS3018

Rivers: Science, Policy and Management

Credit points: 6 **Teacher/Coordinator:** Dr Mel Neave. **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 1 hour tutorial, two 4 hour practicals per week; fieldwork **Prerequisites:** (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOS3918 **Assessment:** One 2 hour exam, two 1500 word essays

The unit of study is concerned with understanding the functioning of river catchments from both natural science and social science perspectives, at a variety of scales. The catchment as a morphodynamic process-response system is addressed with an emphasis on the relationships between processes and landform entities. Similarly, relationships within social, economic, and political systems are explored within the catchment context, with particular emphasis on the interactions between the social system and bio-physical system. Empirical context for the unit will primarily be drawn from the Murray-Darling, Mekong, and Hawkesbury-Nepean catchments. Fieldwork in the latter is integral to the unit of study.

Textbooks

Gordon, et al., 2004. Stream Hydrology: An Introduction for Ecologists.

GEOS3511

Understanding Australia's Regions

Credit points: 6 **Teacher/Coordinator:** Dr Bill Pritchard **Session:** Semester 1 **Classes:** 2 one hour lectures plus 2 hours of tutorials including on-line participation and one 2 hour practical per week. **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study - one of GEOG2311, GEOG2321, GEOG2411, GEOG2411, GEOG2421, GEOG2511, GEOG2521, GEOS2111, GEOS2112, GEOS2113, GEOS2121, GEOS2122, GEOS2124, GEOS2911, GEOS2912, GEOS2921, GEOS2922, GEOS2924 **Prohibitions:** GEOS3911 **Assessment:** One 2 hour exam; 2000 word essay, tutorial papers, fieldtrip or alternative report.

Regional difference in Australia is becoming more acute. This has major implications for the life chances and economic prospects of people across Australia. This unit of study examines these issues, using extensive case study material and introducing students to new approaches in regional development theory to account for and explain this state of affairs. Specific topics to be addressed include the concept of the triple bottom line, the future of family farming, population change across Australia, Indigenous rights over land, and how rural Australia fits within our 'national imagination'. This unit provides students with a solid grounding for graduate employment or further studies in the field of regional development.

Textbooks

Beer, A., Maude, A. & Pritchard, B. (2003) *Developing Australia's Regions* (UNSW Press, Sydney).

GEOS3512

Contemporary Global Geographies

Credit points: 6 **Teacher/Coordinator:** A/Prof Philip Hirsch **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial, one 2 hour practical per week. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. **Prohibitions:** GEOS3912 **Assessment:** One 2 hour exam, one 2000 word essays, one 3000 word practical report, tutorial participation

This unit of study provides students with detailed exposure to contemporary thematic areas of human geography research. It seeks to apply the conceptual material introduced in intermediate human geography units of study to 'real-life' research problems, as a platform for engaging students with research issues, frameworks, conceptual debates, methods, and problem-solving techniques. In 2007, this unit of study examines thematic and regional geographies of environment and development in the Asia-Pacific region. It also provides experience of dealing with issues around multi-stakeholder negotiation, natural resource management and development decision making. The unit is "hands-on", framed around an award-winning electronic simulation/role play exercise (eSim). Using past and current research by human geography academic staff in the School of Geosciences, the unit engages students with research issues, frameworks, conceptual debates, methods, and problem-solving techniques. Specifically, the unit focuses on multiple issues around environment and development in the Mekong region of Southeast Asia. Lectures and tutorials cover relevant conceptual and methodological issues related to research on this subject area, including that of the Australian Mekong Resource Centre (www.mekong.es.usyd.edu.au). * The eSim requires more hours over fewer weeks. The Unit will be completed in nine weeks of the semester. ** The essay and practical reports will consist of shorter modular submissions through the eSim

GEOG3521

Sustainable Cities

Credit points: 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical/tutorial per week. **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOG3921, GEOG3202 **Assessment:** One 2 hour exam; 2000 word essay, tutorial papers, practical reports

Are cities sustainable? Why or why not? This unit of study develops themes introduced in Intermediate units in Geography relating to sustainability, focusing on the ways we manage urban regions. This involves discussion of topics including utopian visions for cities, urban history, ecological footprint analysis, bioregionalism, transport options, urban form and urban policy, with reference to sustainable futures. The unit of study looks at different Australian cities and includes practical work on a current sustainability issue in Sydney.

GEOS3522

Cities and Citizenship

Credit points: 6 **Teacher/Coordinator:** Dr Kurt Iveson **Session:** Semester 2 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical per week. **Prerequisites:** 6 credit points of intermediate geography. **Prohibitions:** GEOG3203, GEOS3922 **Assessment:** One 2 hour exam, one 2000 word essay, one 3000 word practical report, tutorial participation

What does it mean to be a 'citizen', and what has this got to do with cities? This module explores the urban dimension of contests over

the meaning of citizenship. The first half of the module will consider historical configurations of urban citizenship, from the Greek city-states of antiquity through to imperial, colonial and industrial cities. The second half of the module will then focus on contemporary globalising cities. A series of case studies will consider the production of new configurations of urban citizenship across a range of cities in the world, looking at issues such as: asylum-seekers and the city; children and the city; homelessness in the city; 'culture jamming' and new forms of urban protest; trans-national social movements. The module will involve a substantial practical component, encouraging students to draw on their own experiences of city life to reflect on the meanings of citizenship.

GEOS3053

Asia-Pacific Field School-Assessment A

Credit points: 6 **Teacher/Coordinator:** A/Prof Phil Hirsch. **Session:** S1 Intensive **Classes:** 5 weeks intensive. eight modules of 3 lectures each; ten full days' equivalent fieldwork; 20 hours small group work. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. **Corequisites:** GEOS3054 **Prohibitions:** GEOG3201, GEOS3953 **Assessment:** One tutorial paper, one extended field report

Note: Department permission required for enrolment.

Note: Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.

The unit of study can be taken only in coincidence with GEOS 3054 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a five- week period in January-February, prior to the commencement of the semester. In 2006 the Field School will be held in Thailand, Laos and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). It is run in close association with local universities, whose staff and students participate in some components of the course. It focuses on environmental and development issues in the context of rapid social change. Places are limited, and students interested in the 2007 Field School should indicate expression of interest to jconnell@mail.usyd.edu.au before the end of June 2006.

GEOS3054

Asia-Pacific Field School-Assessment B

Credit points: 6 **Teacher/Coordinator:** A/Prof Phil Hirsch. **Session:** S1 Intensive **Classes:** Five weeks intensive. eight modules of 3 lectures each; ten full days' equivalent fieldwork; 20 hours small group work. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. **Corequisites:** GEOS3053 **Prohibitions:** GEOG3201, GEOS3954 **Assessment:** Two tutorial papers, one exam

Note: Department permission required for enrolment.

Note: Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.

The unit of study can be taken only in coincidence with GEOS 3053 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a five- week period in January-February, prior to the commencement of the semester. In 2006 the Field School will be held in Thailand, Laos and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). It is run in close association with local universities, whose staff and students participate in some components of the course. It focuses on environmental and development issues in the context of rapid social change. Places are limited, and students interested in the 2007 Field School should indicate expression of interest to jconnell@mail.usyd.edu.au before the end of June 2006.

GEOS3903

Dynamics of Continents & Basins (Adv)

Credit points: 6 **Teacher/Coordinator:** A/Prof Dietmar Muller, Dr Patrice Rey. **Session:** Semester 1 **Classes:** Four hours lectures, practicals per week, excursion. **Prerequisites:** Distinction average in ((6 credit points of Intermediate Geoscience* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906))) **Prohibitions:** GEOL3101, GEOS3003 **Assessment:** One 2 hour theory exam, class work

Note: A Distinction in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOS3003 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

GEOS3904

Geophysics, Imaging, Oil/Ore Prod (Adv)

Credit points: 6 **Teacher/Coordinator:** Prof Iain Mason **Session:** Semester 2 **Classes:** 12 hours per week lectures, practical, computer-based exercises. **Prerequisites:** Distinction average in 24 credit points of Intermediate Science Units, or Distinction in (GEOL2923 or CIVL2409) **Prohibitions:** GEOL3202, GEOS3004 **Assessment:** One 2 hour theory exam, practicals

Note: Department permission required for enrolment .

Note: A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOS3004 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in the week prior to the field camp which is usually in the break between semester 1 and 2. This unit of study may be taken as part of the BSc (Advanced).

GEOS3907

Remote Sensing: Imaging the Earth (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Geoff Clarke **Session:** Semester 1 **Classes:** 12 hours of lectures, practicals per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Science subjects or CIVL2409 **Prohibitions:** GEOL3101 or GEOS3007 **Assumed knowledge:** Intermediate level geology **Assessment:** One 2 hour exam, prac. reports, and assignments

This unit has the same objectives as GEOS3007 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

GEOS3908

Field Geology and Geophysics (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Geoff Clarke **Session:** Semester 2 **Classes:** 14 days of fieldwork. **Prerequisites:** Distinction average in 12 credit points of Intermediate GEOS units **Prohibitions:** GEOS3008 **Assessment:** Written reports and field exercises

Note: Department permission required for enrolment .

Note: A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOS3008 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week prior to the field camp which is usually in the break between semester 1 and 2. This unit of study may be taken as part of the BSc (Advanced).

GEOS3909

Coastal Environments and Processes (Adv)

Credit points: 6 **Teacher/Coordinator:** Prof Andy Short & Dr Michael Hughes. **Session:** Semester 1 **Classes:** Three 1 hour lectures, two 3 hour practicals per week, fieldwork. **Prerequisites:** Distinction average in ((6 credit points of Intermediate Geoscience* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906))) **Prohibitions:** GEOS3009, MARS3003, MARS3105 **Assessment:** One 2 hour exam, two 1500 word reports.

Note: A distinction average in prior Geography or Geology units is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

Advanced students will complete the same core lecture material as for GEOS3009, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3914

GIS in Coastal Management (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Peter Cowell & Dr Eleanor Bruce. **Session:** Semester 2 **Classes:** Two hours of lectures, one 3 hour practical per week comprising one 1 hour practical demonstration and one 2 hour practical. **Prerequisites:** Distinction average in 12 credit points of intermediate geography or geology units or 12 credit points of intermediate marine science units. **Prohibitions:** GEOS3014, MARS3104 **Assessment:** One 2 hour exam, one 2 hour exam, project work, two practical-based project reports, biweekly progress quizzes.

Note: Department permission required for enrolment .

Note: A distinction average in prior Geography, Geology or Marine Science units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

Advanced students will complete the same core lecture material as for GEOS3014, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3915

Environmental Geomorphology (Advanced)

Credit points: 6 **Teacher/Coordinator:** A/Prof Deirdre Dragovich & Dr Stephen Gale. **Session:** Semester 2 **Classes:** 3 hours lectures, 6 hours practical per week, fieldwork. **Prerequisites:** Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOS3015 **Assessment:** One 2 hour exam, two 1500 word essays, prac and field reports.

Note: Department permission required for enrolment .

Advanced students will complete the same core lecture material as for GEOS3015, but will carry out more challenging projects, practicals, and field reports.

GEOS3916

Seafloor Processing and Imaging (Adv)

Credit points: 6 **Teacher/Coordinator:** A/Prof Dietmar Müller, Dr Julie Dickinson. **Session:** Semester 2 **Classes:** Four 1 hour lectures and practicals per week, one-day excursion. **Prerequisites:** Distinction average in (12 credit points of Intermediate Geoscience or ((one of MARS2005 & MARS2905) and (one of MARS2006 & MARS2906))) **Prohibitions:** GEOS3016, MARS3005, MARS3106 **Assessment:** One 2 hour theory exam, class work

Note: Department permission required for enrolment .

Advanced students will complete the same core lecture material as for GEOS3016, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3917

Global Energy Exploration (Advanced)

Credit points: 6 **Teacher/Coordinator:** Prof Peter Davies (Coordinator), Dr Gavin Birch. **Session:** Semester 1 **Classes:** 4 hours of lectures and practicals per week, excursion. **Prerequisites:** Distinction average in ((MARS(2005 or 2905) and MARS(2006 or 2906)), or 12 credit points of Intermediate Geoscience* units). **Prohibitions:** GEOS3017, MARS3008 **Assessment:** Assignments, fieldwork, one 2 hour exam

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics. There are a limited number a places available at this fieldschool.*

This unit has the same objectives as GEOS3017 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit

will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

GEOS3918

Rivers: Science and Management (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Melissa Neave **Session:** Semester 1 **Classes:** Two 1 hour lecture, one 1 hour tutorial, two 4 hour practicals per week, fieldwork. **Prerequisites:** Distinction average in (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOS3018 **Assessment:** One 2 hour exam, two 1500 word essays.

Advanced students will complete the same core lecture material as for GEOS3018, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3911

Understanding Australia's Regions (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Bill Pritchard **Session:** Semester 1 **Classes:** 2 one hour lectures plus 2 hours of tutorials including on-line participation and one 2 hour practical per week. **Prerequisites:** Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study - one of GEOG2311, GEOG2321, GEOG2411, GEOG2411, GEOG2421, GEOG2511, GEOG2521, GEOS2111, GEOS2112, GEOS2113, GEOS2121, GEOS2122, GEOS2124, GEOS2911, GEOS2912, GEOS2921, GEOS2922, GEOS2924 **Prohibitions:** GEOS3511 **Assessment:** One 2 hour exam; 2000 word essay, tutorial papers, fieldtrip or alternative report.

Note: Department permission required for enrolment .

Advanced students will complete the same core lecture material as for GEOS3511, but will carry out more challenging projects, practicals, assignments and tutorials.

Textbooks

Beer, A., Maude, A. & Pritchard, B. (2003) Developing Australia's Regions (UNSW Press, Sydney).

GEOS3912

Contemporary Global Geographies (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial, one 2 hour practical per week. **Prerequisites:** Distinction in 6 credit points of Intermediate units of study in Geography. **Prohibitions:** GEOS3512 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, prac reports.

Note: Department permission required for enrolment .

Advanced students will complete the same core lecture material as for GEOS3512, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOG3921

Sustainable Cities (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical/tutorial per week. **Prerequisites:** Distinction average 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOG3521, GEOG3202 **Assessment:** One 2 hour exam; 2000 word essay, tutorial papers, practical reports.

Advanced students will complete the same core lecture material as for GEOG3521, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3922

Cities and Citizenship (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOS3522 **Assessment:** One 2 hour exam; e-Sim assignments, tutorial papers.

Advanced students will complete the same core lecture material as for GEOS3022, but will carry out more challenging projects, assignments and tutorials.

GEOS3953

Asia-Pacific Field School-A (Adv)

Credit points: 6 **Session:** S1 Intensive **Classes:** Five weeks intensive. eight modules of 3 lectures each; 10 full days' equivalent fieldwork; 20 hours small group work **Prerequisites:** Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. **Corequisites:** GEOS3954 **Prohibitions:** GEOS3053 **Assessment:** Fieldwork reports.

Note: Department permission required for enrolment .

Note: Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.

The unit of study can be taken only in coincidence with GEOS3954 and with prior permission from the unit of study coordinator. Advanced students will carry out more challenging fieldwork reports.

GEOS3954

Asia-Pacific Field School-B (Adv)

Credit points: 6 **Teacher/Coordinator:** A/Prof Phil Hirsch. **Session:** S1 Intensive **Classes:** 5 weeks intensive. eight modules of 3 lectures each; 10 full days' equivalent fieldwork; 20 hours small group work **Prerequisites:** Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study **Corequisites:** GEOS3953 **Prohibitions:** GEOS3054 **Assessment:** Fieldwork reports.

Note: Department permission required for enrolment .

Note: Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.

The unit of study can be taken only in coincidence with GEOS3953 and with prior permission from the unit of study coordinator. Advanced students will carry out more challenging fieldwork reports.

Geography or Geology & Geophysics Honours

Offered February and July. Information sessions about Geography or Geology & Geophysics Honours are held for interested third year students during Second Semester. Students contemplating Honours in their fourth year should consider possible thesis topics and discuss these with potential staff supervisors. Entry into fourth year Honours will require completion of units in Intermediate and Senior Geoscience units (to be passed at the level of credit or better) and a satisfactory WAM. In some years when the number of applicants exceeds resources (availability of supervisors, laboratory space etc.) offers will be made according to academic merit. Students will be notified in January of their formal acceptance into the Honours program. Honours students are required to undertake formal coursework during their first semester and to participate in seminars throughout the year as arranged. They will be required to study original problems, working as appropriate in the field, the laboratory, libraries, and in some instances in conjunction with other university or government departments. A dissertation of not more than 20 000 words must be submitted during the second semester, followed by an examination that may include both written and oral work. Further details relating to Geography Honours are available from Dr. Mel Neave (mneave@geosci.usyd.edu.au) Further details of Geology and Geophysics Honours are available from Dr. Michael Hughes (michaelh@mail.usyd.edu.au)

Geology and Geophysics Postgraduate Study

Details concerning fields of postgraduate study in Geology and Geophysics may be obtained from Dr Derek Wyman or the Head of School. Details concerning Geography may be obtained from A/Prof Deirdre Dragovich or the Head of School.

History and Philosophy of Science

History and Philosophy of Science allows students to enrich their knowledge of science and stand back from the specialised concerns of their other subjects by gaining a broader perspective on what science is, how it acquired its current form and how it fits into contemporary society. HPS is particularly relevant for students hoping to make careers in science policy, science administration, science education and science reporting. Any student with a genuine interest in science will derive benefit from study in HPS.

Course Advice

An advisor will be available in the Unit for History and Philosophy of Science during the enrolment period. The Unit is located on Level 4 of the Carlaw Building. More detailed information on courses is available either in a handbook from the Unit office or electronically via the Unit website <http://www.usyd.edu.au/hps/>. The Unit for History and Philosophy of Science offers the Junior unit of study Bioethics (HPSC1000), which analyses and discusses the ethical concerns raised by scientific accomplishments in modern society. Students interested in related topics should consider taking the unit Concepts and Issues in Physical Science (PHYS1600) offered in the School of Physics. This unit serves as useful background for further studies in HPS and is offered as an Arts unit for all students, including students enrolled in the Faculty of Science.

Junior units of study

HPSC1000

Bioethics

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Ankeny **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** HPSC1900 **Assessment:** Short essays, tutorial work, tests

Note: This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.

Science has given us nearly infinite possibilities for controlling life. Scientists probe the origins of life through research with stem cells and embryos. To unlock the secrets of disease, biomedicine conducts cruel experiments on animals. GM crops are presented as the answer to hunger. Organ transplantation is almost routine. The international traffic in human body parts and tissues is thriving. The concept of brain death makes harvesting organs ethically more acceptable. It may also result in fundamental changes in our ideas about life. Science has provided new ways of controlling and manipulating life and death. As a consequence, difficult ethical questions are raised in increasingly complex cultural and social environments. This course will discuss major issues in the ethics of biology and medicine, from gene modification to Dolly the sheep. This unit will be introductory, but a small number of topical issues will be studied in depth. No scientific background beyond School Certificate level will be assumed.

Textbooks
Course reader

HPSC1900

Bioethics (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Ankeny **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial per week. **Prohibitions:** HPSC1000 **Assessment:** Tutorial work, essays, exam, tutorial participation.

Note: Enrolment in this unit is limited, and will be on a first-come first-served basis.

The topics covered by HPSC1000 - Bioethics will be treated in more depth, in a special tutorial set aside for Advanced students.

Textbooks
Course reader

Intermediate units of study

There are two Intermediate units of study offered by the Unit for History and Philosophy of Science. They provide a broad background in the history and the philosophy of science, and a solid background for students in arts and science who wish to acquaint themselves with principles and methods in the history and philosophy of science. For students who wish to major in HPS, they provide essential background knowledge.

HPSC2100

The Birth of Modern Science

Credit points: 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial per week. **Prerequisites:** 24 credit points of Junior units of study **Prohibitions:** HPSC2002, HPSC2900 **Assessment:** Short essays, tutorial work, tests.

Modern culture is a culture of science. Modern Western science is the outcome of a historical process of 2,500 years. In this course we

investigate how Western knowledge-theoretical, technological and medical-acquired the characteristics of modern science: its specific social structure, contents, values and methods. We will look at some primary chapters of this process, from antiquity to the end of the seventeenth century, and try to understand their implications to understanding contemporary science in its culture. Special emphasis will be given to the scientific revolution of the seventeenth century, which is often described as the most important period in the history of science and as one of the most vital stages in human intellectual history.

Textbooks
Henry, J. The Scientific Revolution and the Origins of Modern Science.
Course reader

HPSC2101

What Is This Thing Called Science?

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Ankeny and HPS staff **Session:** Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 24 credit points of Junior units of study **Prohibitions:** HPSC2001, HPSC2901 **Assessment:** Short essays, tutorial work, tests.

Philosophers of science aim to define what distinguishes creationism from evolutionary theory, or astrology from astronomy. They give reasons why we can believe that today's theories are improvements over those that preceded them and how we know that what we see and do in scientific practice reflects the nature of reality. This course critically examines the most important attempts to define the scientific method, to draw a line dividing science from non-science, and to justify the high status generally accorded to scientific knowledge. The philosophies of science studied include Karl Popper's idea that truly scientific theories are falsifiable, Thomas Kuhn's proposal that science consists of a series of paradigms separated by scientific revolutions; and Feyerabend's anarchist claim that there are no objective criteria by which science can be distinguished from pseudo-science. This Unit of Study also explores contemporary theories about the nature of science and explores ideas about the nature of the experimental method and concepts such as underdetermination, the nature of scientific explanation, theory confirmation, realism, the role of social values in science, sociological approaches to understanding science, and the nature of scientific change.

Textbooks
Alan F. Chalmers. What Is This Thing Called Science? 3rd edition.
Course reader

HPSC2900

The Birth of Modern Science (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average **Prohibitions:** HPSC2002, HPSC2100 **Assessment:** Short essays, tutorial work, tests.

Note: Enrolment in this unit is limited, and will be on a first-come, first-served basis.

The topics covered in 'The Birth of Modern Science' will be covered in more depth, in a special tutorial set aside for advanced students.

Textbooks
Henry, J. The Scientific Revolution and the Origins of Modern Science.
Course reader

HPSC2901

What Is This Thing Called Science? (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Ankeny and HPS staff **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average **Prohibitions:** HPSC2002, HPSC2100 **Assessment:** Short essays, tutorial work, tests.

Note: Enrolment in this unit is limited and will be on a first-come, first-served basis.

The topics covered in 'What is This Thing Called Science?' will be covered in more depth, in a special tutorial set aside for advanced students.

Textbooks

Alan F. Chalmers. What Is This Thing Called Science? 3rd edition.
Course reader

Senior units of study

Students wishing to major in History and Philosophy of Science in either the BSc, BA or BLiBSt must take 24 credit points from the following Senior units of study. Our Intermediate courses provide students with a background in the history and philosophy of science. HPSC3022 Science and Society, provides students with an essential background in the sociology of science. This unit of study is compulsory for majors in history and philosophy of science.

HPSC3002

History of Biological/Medical Sciences

Credit points: 6 **Teacher/Coordinator:** Dr Hans Pols or HPS staff **Session:** Semester 1 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week. **Prerequisites:** At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** Short essays, presentation, tutorial work, final essay.

Throughout the ages people have been born, have died, and in between have lived in various stages of sickness or health. In this unit of study we shall look at how these states of being were perceived in different times and places throughout history, while at the same time noting the increasing medicalisation of everyday life, together with the irony that the "miracles" of modern medicine appear to have created a generation of the "worried well". Using this historical perspective, we shall ask how perceptions of sickness, health and the related provision of health care have been intertwined with social, political and economic factors and, indeed still are today.

Textbooks
Course reader

HPSC3016

The Scientific Revolution

Credit points: 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week. Individual student consultation as required. **Prerequisites:** At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **Prohibitions:** HPSC3001, HPSC3106 **Assumed knowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002) **Assessment:** Take-home tests, short essays, tutorial participation.

Note: This unit will not be offered every year.

Modern Western science has a number of characteristics which distinguish it from other scientific cultures. It ascribes its tremendous success to sophisticated experiments and meticulous observation. It understands the universe in terms of tiny particles in motion and the forces between them. It is characterised by high-powered mathematical theorizing and the rejection of any intention, value or purpose in Nature. Many of these characteristics were shaped in the 17th century, during the so called scientific revolution. We will consider them from an integrated historical- philosophical perspective, paying special attention to the intellectual motivations of the canonical figures of this revolution and the cultural context in which they operated. Topics will include: experimentation and instrumentation, clocks, mechanistic philosophy, and the changing role of mathematics.

Textbooks
Course reader

HPSC3022

Science and Society

Credit points: 6 **Teacher/Coordinator:** Dr Hans Pols or HPS staff **Session:** Semester 1 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week. **Prerequisites:** At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **Prohibitions:** HPSC3003 **Assumed knowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002). **Assessment:** Short essays, tutorial work, presentation.

Note: This unit is a requirement for HPS majors.

Science has become an essential element of Western societies. It is impossible to imagine our lives today without the achievements of

science, technology, and medicine. Many scientists and laypeople think that scientific knowledge transcends political, social, cultural, and economic conditions. Sociologists of science think otherwise. In this unit, we will investigate the nature of science, the position of science in society, and the internal dynamics of science. Sociologists of science have compared scientific knowledge to a ship in a bottle: if you see the finished product, you can't understand how it came about, and you can't believe that it is not what it claims to be: the empirically-determined truth about the world. In this unit, we will have a close look at some of these ships in bottles and examine how they got there. When observing science-in-the- making, rather than the finished product, the factors that influence science become much clearer. We will introduce some of the most exciting and innovative ideas about what science is and how it works by examining the sociological and anthropological approaches to science that have become the basis for research in the social studies of science, technology, and medicine, including: the norms of science, scientists' images of themselves, the boundaries between science and other subjects, the rhetoric of scientific writing, laboratory work, science museums and science in the media.

Textbooks
Course reader

HPSC3023

Psychology & Psychiatry: History & Phil

Credit points: 6 **Teacher/Coordinator:** Dr Hans Pols and Dr Fiona Hibberd **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorials per week. **Prerequisites:** (at least 8 credit points of intermediate HPSC Units of study) OR (a CR or above in one HPSC intermediate Unit of Study) OR (12 intermediate credit points in psychology). **Prohibitions:** PSYC3202 **Assumed knowledge:** Basic knowledge about the history of modern science as taught in HPSC2100 AND the principles of philosophy of science as taught in HPSC2101 AND knowledge of the various sub-disciplines within Psychology. **Assessment:** Take-home essays (2000 words), take-home exams, tutorial work.

This course examines one of the most interesting developments in the history of science: it deals with the sciences that make human beings their object of study. We will examine the ways in which psychologists and psychiatrists have investigated human nature, what kinds of experimental approaches they have developed to that end, the major controversies in this field, and the basic philosophical assumptions that have been made in the sciences of human nature. We investigate the developments of psychological theories and investigative methods as well as the development of psychiatric theory, treatment methods, and institutions.

Textbooks
Course reader
Leahey, T.H. (2004). A History of Psychology: Main currents in Psychological Thought. Pearson. Upper Saddle River, N.J.

HPSC3024

Science and Ethics

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Ankeny **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week. **Prerequisites:** At least 24 credit points of Intermediate or Senior units of study **Prohibitions:** HPSC3007 **Assessment:** Short essays, tutorial work, tests.

Note: This unit will not be offered every year.

Is science really neutral, impartial, and objective? Should it be? Or should it tell us what is right, good, fair, or just? Does scientific progress imply social progress and benefits for humanity? Are scientists responsible when their discoveries are used for evil purposes? Should the publication of dangerous discoveries be prevented? What if the same discoveries might be used for beneficial purposes as well? In this unit, we give study possible answers to these questions by examining the relationships between science and human values. We consider the extent to which science is, or should be, influenced by the values of scientists and the societies in which they operate. And we question the extent to which science promotes or threatens the good of humankind. Issues such as these are pursued via philosophical examination of major historical episodes involving weapons of mass destruction, Nazi medicine, cloning, mind control in neuroscience, human experimentation and censorship. We also

examine contemporary developments in genetics and brain science. This unit is for science and non-science students alike. It will be of interest to anyone concerned about the social responsibilities of scientists, matters of science policy, and relationships between science and society.

Textbooks
Course reader

History and Philosophy of science Honours

An Honours course in HPS is available to students of sufficient merit who have satisfied the requirements for the degree of BSc or BA or BLibSt with a major in HPS or another relevant area and to students who have satisfied the requirements for the degree of BMedSc including the HPS options in the second and third years of study. The Honours course consists of 48 points of Honours level units of study, which must include HPSC4201 HPS Research Project 1, HPSC4202 HPS Research Project 2, HPSC4203 HPS Research Project 3 and HPSC4204 HPS Research Project 4. In their final semester all students must also enrol in the zero credit point non-assessable unit HPSC4999. Students intending to proceed to Honours or to enrol in the Graduate Diploma in Science (HPS) are strongly advised to contact the Unit towards the end of the previous academic year to discuss thesis topic and supervision. **Note:** Honours level (4000) Units of Study are available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. A number of our Honours-level courses are also open to students in the medical humanities and liberal studies.

HPSC4101 Philosophy of Science

Credit points: 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 1 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Written assignments, seminar participation.

Note: Department permission required for enrolment.

The success of science in enabling us to manipulate the natural world has been so surprising, so often, that it has caused many individuals to revise a large part of their pre-scientific philosophical and religious consensus. Something very important is going on, and a number of fascinating philosophical topics emerge when we try to analyse what it is. Working backwards from the success of an epistemological enterprise offers a fruitful way to do philosophy, and, reciprocally, our philosophical insights help to clarify the contentious question of what it means to claim that science is successful. This unit investigates the relationships between scientific theories and evidence, and the relationships between scientific theories. Participants will have an opportunity to relate the successes and failures of specific sciences to contemporary philosophical debates. Each week the seminar will discuss a piece of philosophical theory in the light of examples from particular sciences. Technical topics will be covered, but very little background knowledge will be assumed.

Textbooks
Blackburn S., The Oxford Dictionary of Philosophy, and course reader.

HPSC4102 History of Science

Credit points: 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar participation.

Note: Department permission required for enrolment.

This unit explores major episodes in the history of science as well as introducing students to historiographic methods. Special attention is paid to developing practical skills in the history and philosophy of science.

Textbooks
Course reader

HPSC4103 Sociology of Science

Credit points: 6 **Teacher/Coordinator:** Dr Hans Pols **Session:** Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, fieldwork report, seminar participation mark.

Note: Department permission required for enrolment.

This unit explores recent approaches in the social studies of scientific knowledge. Students evaluate various sociological approaches by conducting their own research on topics relevant to their own major thesis. The unit starts with an overview of the development of history and philosophy of science since 1945, to put the emergence of the sociology of science into perspective, before moving on to a selection of readings from the field. Topics will include: the strong program critique of traditional philosophy of science, the sociology of technology, the impact of feminism on the study of science, and the actor-network approach developed by Bruno Latour and Michel Callon.

Textbooks
Course reader

HPSC4104 Recent Topics in HPS

Credit points: 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar participation.

Note: Department permission required for enrolment.

An examination of one area of the contemporary literature in the history and philosophy of science. Special attention will be paid to development of research skills in the history and philosophy of science.

Textbooks
Course reader

HPSC4105 HPS Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Ankeny **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Literature review, archival research project, seminar participation mark, short essays.

Note: Department permission required for enrolment.

Adopting a seminar style, this unit provides students with an advanced knowledge of the skills necessarily to conduct their own original research in the sociology, history and philosophy of science. Participants will be given a weekly set of core readings, and specialists both from within the Unit and from outside will present their views on the topic in question. This presentation will form the basis for a discussion involving the students, the academic members of the Unit, and invited speakers. Topics will include: the use of case studies in the philosophy of science, how to conduct oral history projects, institutional history, and sociological methodology.

Textbooks
Course reader

HPSC4108 Core topics: History & Philosophy of Sci

Credit points: 6 **Teacher/Coordinator:** HPS staff. **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Prohibitions:** Not available to students who have completed a major in History and Philosophy of Science or an equivalent program of study at another institution. **Assessment:** Essays, seminar presentations, seminar participation mark.

Note: Department permission required for enrolment.

An intensive reading course, supported by discussion seminars, in the main figures and events of the 'Scientific Revolution' of the 16th

to 18th centuries, in the leading historiographic interpretations of the scientific revolution and in the use of episodes in the scientific revolution as evidence for the philosophies of science of Karl Popper, Imre Lakatos, Thomas Kuhn and contemporary authors.

Textbooks
Course reader

HPSC4201

HPS Research Project 1

Credit points: 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

Note: Department permission required for enrolment.

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC4202

HPS Research Project 2

Credit points: 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106 and HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

Note: Department permission required for enrolment.

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC4203

HPS Research Project 3

Credit points: 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

Note: Department permission required for enrolment.

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC4204

HPS Research Project 4

Credit points: 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

Note: Department permission required for enrolment.

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC4999

History & Philosophy of Science Honours

Session: Semester 1, Semester 2 **Prerequisites:** Available only to students admitted to HPS Honours.

Note: Department permission required for enrolment.

All students in History and Philosophy of Science Honours must enrol in this non-assessable unit of study in their final semester.

Immunobiology major

Immunology in the Discipline of Infectious Diseases and Immunology administers the Immunobiology Major. Our location is on Level 6, Blackburn Building D06. Further information from Helen Briscoe (phone: (02) 9351 7308, email: hbriscoe@med.usyd.edu.au). A major in Immunobiology requires successful completion of 12 credit points of Senior study in Immunology plus 12 credit points from the elective Senior units of study in Biochemistry, Biology, Cell Pathology, Molecular Biology and Genetics, Microbiology, Physiology or Virology listed in Table I. Participants in the Immunobiology major will select an accompanying Senior unit according to their particular interest. Concurrent study in the life science disciplines will add a depth of understanding in a particular aspect of immunology. Participants are invited to consult with Helen Briscoe and with elective unit of study co-ordinators before selecting concurrent study units and should note that a unit of study taken as part of the Immunobiology Major cannot count towards a major in another Science discipline area.

Immunology

Immunology is offered as Introductory Immunology (IMMU2101) at Intermediate level, Molecular and Cellular Immunology (IMMU3102) and Immunology in Human Disease (IMMU3202) at Senior level, and Immunology Honours. Further information can be obtained from Helen Briscoe (phone: (02) 9351 7308, email: hbriscoe@med.usyd.edu.au).

Immunology intermediate units of study

IMMU2101

Introductory Immunology

Credit points: 6 **Teacher/Coordinator:** A/Prof Helen Briscoe **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 3 hour tutorial or practical or independent study per week. **Prerequisites:** 24 credit points of Junior units of study from any of the Science discipline areas. **Prohibitions:** IMMU2001, BMED2506, BMED2807 **Assumed knowledge:** Junior Biology and Junior Chemistry. **Assessment:** One 2 hour examination (60%), one 2000 word essay (20%), on-line quizzes and tutorial group presentation (20%)

Note: This is a prerequisite unit of study for IMMU3102 and IMMU3202. The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study will provide an overview of the human immune system and essential features of immune responses. The lecture course begins with a study of immunology as a basic research science. This includes the nature of the cells and molecules that recognise antigens and how these cells respond at the cellular and molecular levels. Practical / tutorial sessions will illustrate particular concepts introduced in the lecture program. Further lectures and self-directed learning sessions will integrate this fundamental information into studies of mechanisms of host defence against infection, transplantation, and dysfunction of the immune system including allergy, immunodeficiency and autoimmune diseases.

Textbooks

Basic Immunology Functions and Disorders of the Immune System.
AK Abbas & AH Lichtman. Saunders 2004

Immunology senior units of study

IMMU3102

Molecular and Cellular Immunology

Credit points: 6 **Teacher/Coordinator:** Dr Allison Abendroth **Session:** Semester 2 **Classes:** Three 1 hour lectures, one tutorial and one practical per fortnight. **Prerequisites:** BMED2807 or BMED2506 or IMMU2101 or IMMU2001 and 6cp of intermediate units of study from Biochemistry, or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Prohibitions:** IMMU3002, BMED3003 **Assumed knowledge:** Intermediate biochemistry and molecular biology and genetics. **Assessment:** Formal examination: 60% one 2 hour exam. Progressive assessment: 40% includes practical assessment (lab quizzes/practical assignment), 2000w essay, tutorial presentation,

Note: The completion of 6 CP of MBLG units of study is highly recommended. Concurrent study of IMMU3202 Immunology in Human Disease is strongly recommended.

This study unit builds on the series of lectures that outlined the general properties of the immune system, effector lymphocytes and their functions, delivered in the core courses, IMMU2101 - Introductory

Immunology and BMED2807 -Microbes & Body Defences (formerly IMMU2001 and BMED2506). In this unit the molecular and cellular aspects of the immune system are investigated in detail. We emphasise fundamental concepts to provide a scientific basis for studies of the coordinated and regulated immune responses that lead to elimination of infectious organisms. Guest lectures from research scientists eminent in particular branches of immunological research are a special feature of the course. These provide challenging information from the forefront of research that will enable the student to become aware of the many components that come under the broad heading 'Immunology'. Three lectures (1 hour each) will be given each fortnight: 2 lectures in one week and one lecture the following week, for the duration of the course. This unit directly complements the unit "Immunology in human disease IMMU3202" and students are strongly advised to undertake these study units concurrently.

Textbooks

Cellular and Molecular Immunology 5th edition 2003. AK Abbas & AH Lichtman, WB Saunders Company and / or Immunobiology -the immune system in health and disease 6th edition 2005CA Janeway, P Travers, M Walport and M Shlomchik, Garland Press.

IMMU3202

Immunology in Human Disease

Credit points: 6 **Teacher/Coordinator:** Dr Allison Abendroth **Session:** Semester 2 **Classes:** Three 1 hour lectures, one tutorial and one practical per fortnight. **Prerequisites:** BMED2807 or BMED2506 or IMMU2101 or IMMU2001 and 6cp of Intermediate units of study from Biochemistry, or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Prohibitions:** IMMU3002, BMED3003 **Assumed knowledge:** Intermediate biochemistry and molecular biology and genetics. **Assessment:** Progressive assessment: 40% includes practical assignment, portfolio of case studies, poster presentation, tutorial presentation. Formal examination: 60% one 2 hour exam.

Note: The completion of 6CP of MBLG units of study is highly recommended. Concurrent study of IMMU3102 Molecular and Cellular Immunology is very strongly recommended.

This study unit builds on the series of lectures that outlined the general properties of the immune system, effector lymphocytes and their functions, delivered in the core courses, IMMU 2101 - Introductory Immunology and BMED 2807 - Microbes & Body Defences (formerly IMMU 2001 and BMED 2506). We emphasise fundamental concepts to provide a scientific basis for studies in clinical immunology; dysfunctions of the immune system eg. autoimmune disease, immunodeficiencies, and allergy, and immunity in terms of host - pathogen interactions. This unit has a strong focus on significant clinical problems in immunology and the scientific background to these problems. The unit includes lectures from research scientists and clinicians covering areas such as allergy, immunodeficiency, autoimmune disease and transplantation. This course provides challenging information from the forefront of clinical immunology and helps the student develop an understanding of immune responses in human health and disease. Three lectures (1 hour each) will be given each fortnight: 2 lectures in one week and one lecture the following week, for the duration of the course. This unit directly complements the unit "Molecular and Cellular Immunology" and students are very strongly advised to undertake these study units concurrently.

Textbooks

Cellular and Molecular Immunology 5th edition 2003. AK Abbas & AH Lichtman, WB Saunders Company and / or Immunobiology -the immune system in health and disease 6th edition, 2005, CA Janeway, P Travers, M Walport and M Shlomchik, Garland Press. Case studies in immunology-a clinical companion 4th edition Rosen and Geha, Garland Press

Immunology Honours

The Honours program in Immunology provides the opportunity for full-time research on a proposed project supervised by a staff member expert in that field. Experimental research, a seminar and a thesis constitute the major part of the program and of assessment. Guidance in research techniques is given in training programs covering experimental design, data analysis, written and oral communication and critical appraisal of the literature. Student contributions to this program are also assessed. In addition, a supplementary seminar program keeps students informed and abreast of wider issues in immunology.

Applying for Honours

Students are invited to apply for Honours enrolment during semester two of the year preceding Honours. Applicants should consult the Honours coordinator in the first instance. A list of possible research topics is provided, and students select projects of interest, speak with prospective supervisors and apply for permission to enrol, before the end of semester two. Within the constraints of availability, an attempt is made to assign students to the project of their choice.

General Requirements for Admission

Usually Honours candidates will have achieved a Credit in Senior Immunology units of study and will also have successfully completed Senior study in Biochemistry, Biology, Cell Pathology, Microbiology, Physiology or Virology. BSc candidates will have gained a major in Immunobiology, or a related discipline such as Biochemistry, Biology, Cell Pathology, Microbiology or Physiology. Usually Honours candidates will have an overall SCIWAM of 65 or greater. Departmental permission is required for enrolment.

Honours coordinators

The Immunology Honours coordinators for 2007 are Dr Allison Abendroth (allisona@med.usyd.edu.au, 9351 6867) and Associate Professor Helen Briscoe (hbriscoe@med.usyd.edu.au, 9351 7308).

Information Technologies

Information Technologies in the Bachelor of Science degree

The School of Information Technologies administers the disciplines of Information Systems and Computer Science, each of which is available as a major in the Bachelor of Science degree.

Computer Science

Computer Science is the scientific discipline which has grown out of the use of digital computers to manage and transform information. Computer Science is concerned with the design of computers, their applications in science, government and business, and the formal and theoretical properties which can be shown to characterise these applications. Teaching in Computer Science covers a diversity of topics such as Software Development, Networks and Systems, Multimedia Technologies and Principles of Computer Science. The diversity of the discipline is demonstrated by current research interests in the School which include biomedical image processing, parallel and distributed computing, user-adaptive systems and information visualisation. The School has a range of computers and specialised laboratories for its teaching and research. Note that units of study beginning with COMP, MULT, NETS, SOFT and INFO (but not ISYS) can be counted as Computer Science. Each INFO unit may only be counted to one subject area (either Computer Science or Information Systems, but not both). Students who intend to major in Computer Science should pay particular attention to the prerequisites of each unit of study. Students should note that entry to Honours requires an average of Credit or better in the Senior units of study.

Information Systems

Information Systems studies people and organisations to determine and deliver their technological needs. Hence Information Systems encompasses issues such as strategic planning, system development, system implementation, operational management, end-user needs and education. Information Systems study is related to Computer Science but there is an important distinction in that Information Systems is about the architecture of computer systems and making them work for people, hence people are the focus of attention, whereas much of Computer Science is about developing and improving the performance of computers. The School performs IS research in a number of areas including natural language processing, data mining, knowledge management and workflow methods. Students who wish to complete a major in Information Systems need to appreciate that effective communication and critical analysis are important parts of the curriculum and though taught explicitly in one unit ARIN1000 (or an equivalent unit) are expected to be practised throughout all units of study. Intending Honours students need to complete at least 18

credit points of Information systems units at Senior level. Note that units beginning with both ISYS and INFO codes (but not COMP, MULT, NETS or SOFT) can be counted as Information systems units.

Information Technologies in the BCST, BCST(Adv), BIT degrees

Information on majors for the BCST, BCST(Adv) and BIT degrees may be found in Table 3 and the chapter on the IT degrees.

Other Information

The units of study offered by the School are described briefly below, and more fully in the School's Handbook which is available from the School Office (Room G71) in the Madsen Building. Students should confirm details of units of study, registration procedures, textbooks, etc., on the School noticeboards and web site www.it.usyd.edu.au. Those in doubt should seek advice from members of the School's academic staff.

Summer School: January-February

This School offers some units of study in The Sydney Summer School. Consult The Sydney Summer School web site for more information: www.summer.usyd.edu.au/

Computer Science and Information Systems junior units of study

See the School web site www.it.usyd.edu.au for advice on choosing appropriate units of study from this list.

SOFT1001

Software Development 1

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture, one 2 hour tutorial and one 2 hour practical per week. **Prohibitions:** SOFT1901, COMP1001, COMP1901, DECO2011 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** Written and practical assignments, quizzes, exam.

The unit introduces a structured approach to problem solving using computers. The main emphasis will be to teach students about modular design in programming and software development. Although the unit will use a programming language for teaching, the concepts taught are universal and can be applied through other languages as well.

SOFT1901

Software Development 1 (Adv)

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture, one 2 hour tutorial and one 2 hour laboratory per week. **Prohibitions:** SOFT1001, COMP1001, COMP1901 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** Written and practical assignments, quizzes, exam.

Note: Department permission required for enrolment.

Note: Entry requires departmental permission, except for students in BSc(Adv), BCST(Adv) or BIT degrees

An advanced alternative to SOFT 1001; covers material at an advanced and challenging level. See the description of SOFT 1001 for more information.

SOFT1002

Software Development 2

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** One 2 hour lecture, one 2 hour tutorial and one 3 hour practical per week. **Prerequisites:** SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011 **Prohibitions:** SOFT1902, COMP1002, COMP1902 **Assessment:** Written and practical assignments, quizzes, exam

Note: Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.

This unit extends the students' software development skills in several important directions. It covers a number of advanced features of Java programming such as inheritance and recursion. It deals with important issues in using library classes to manage collections of similar objects. It also provides students with experience in design; that is, in choosing which classes to write to respond to a user's demands. Design in group work raises special issues of dealing with conflict and misunderstanding between group members.

SOFT1902

Software Development 2 (Adv)

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture, one 2 hour tutorial and one 3 hour laboratory per week. **Prerequisites:** Distinction in one of SOFT (1001 or 1901) or COMP (1001 or 1901) **Prohibitions:** SOFT1002, COMP1002, COMP1902, DECO2011 **Assessment:** Written and practical assignments, quizzes, exam.

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.

An advanced alternative to SOFT 1002; covers material at an advanced and challenging level. See the description of SOFT 1002 for more information.

INFO1003

Foundations of Information Technology

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical per week **Prohibitions:** INFO1000, INFS1000, ISYS1003, INFO1903 **Assumed knowledge:** Basic computer operations **Assessment:** Assignments, written exam, prac exam

In our society computer systems have become a major platform for communication, commerce, education and entertainment. Students, using a systems thinking approach, will undertake meaningful research and authoring tasks using various kinds of software including word processors, spreadsheets, web browsers and databases, in order to understand how hardware, software and human systems support communication, collaboration, modelling and decision-making. Students will be expected to understand how information is structured, linked and flowed in different situations, and to be able to customise an IT environment to streamline or share tasks. In addition, the course will emphasise the importance of documenting decisions and processes, and understanding the many social, ethical, and intellectual property issues that arise when creating and handling information.

INFO1903

Foundations of Information Tech (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and two 1 hour laboratories per week **Prerequisites:** UAI at least that for acceptance into BSc(Adv) degree program. **Prohibitions:** INFO1003, ISYS1003, INFO1000, INFS1000 **Assumed knowledge:** Basic computer operations **Assessment:** Practical assignments, quizzes, tutorial contribution, written examination.

Note: Department permission required for enrolment.

Analysing empirical information is the cornerstone of many domains, including science, engineering, economics and social science. Graduates in these domains must be able to process, manipulate and present the growing quantities of data effectively. Although computing should play a key role, we rarely exploit the full power of existing or custom software to efficiently convert data into information and then knowledge. INFO1903 will equip students with the skills and techniques for exploiting data effectively. INFO1903 covers advanced data processing and management, integrating the use of existing productivity software, e.g. spreadsheets and databases, with the development of custom software using the powerful general-purpose Python scripting language. It will focus on skills directly applicable to research in any quantitative domain. The course will also cover presentation of data through written publications and dynamically generated web pages, visual representations and oral presentation skills. The assessment, a semester long project, involves the demonstration of these skills and techniques for processing and presenting data in a choice of domains.

Textbooks

Given the diversity of the material, the main resource for INFO1903 will be the course notes, which will be made available through the University Copy Centre. Additional suggested readings:
M. Lutz and D. Ascher. Learning Python, 2nd Ed., O'Reilly, 2003. ISBN 0-596-00281-5

Computer Science and Information Systems intermediate units of study

It is important to choose second year subjects appropriately to keep options open for further study. See www.it.usyd.edu.au for advice.

COMP2160**Data Structures**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902) **Prohibitions:** COMP2111, COMP2811, COMP2002, COMP2902, COMP2860 **Assessment:** Assignments, 2 hour exam

One of the worst things that can happen when implementing a large software system is to find, after months of hard work, that the underlying design is too inefficient, or is fundamentally flawed. Such situations can often be avoided through careful design using well understood structures, and an analysis of the time complexity and correctness of these designs. This unit includes a formal introduction to commonly used data structures such as lists, stacks, queues, priority queues, search trees, hash tables and graphs. It also covers the analysis of algorithms and all data structured introduced are analysed according to a notion of asymptotic complexity. There will be a programming project in which students will design an algorithmic solution to a problem, analyse its time complexity, and implement it.

COMP2860**Data Structures (Advanced)**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. **Prohibitions:** COMP(2111 or 2811 or 2002 or 2902 or 2160) **Assessment:** Assignments, one 2 hour exam

An advanced alternative to COMP2160; covers material at an advanced and challenging level. See the description of COMP2160 for more information.

INFO2110**Systems Analysis and Modelling**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical week. **Prerequisites:** (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study or DECO2011. **Prohibitions:** INFO (2000 or 2810 or 2900) **Assessment:** Written and practical assignments, exam

This unit provides a comprehensive introduction to the analysis of complex systems, and the representation of models of the system in widely-understood notations. It addresses the roles a systems analyst plays in different stages in the systems lifecycle. It covers a collection of methodologies, models, tools, and techniques that can be used to model systems. The major topics are requirements elicitation and representation, data models, process models, and project planning. We will cover both the traditional structured approach which includes process modelling using data flow diagrams (DFDs) and conceptual data modelling using Entity-Relationship Diagram (ERDs), and the object-oriented approach using class diagrams, sequence diagrams, collaboration diagrams, and statechart diagrams, expressed in UML. Tools such as Microsoft Access will be used to produce simple system prototypes, based on models.

INFO2810**Systems Analysis and Modelling (Adv)**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hrs lecture, one 1 hr tut and one 2 hrs prac/wk **Prerequisites:** (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC units of study) or DECO2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. **Prohibitions:** INFO (2000 or 2110 or 2900) **Assessment:** Exam, assignments, tutorial papers

An advanced alternative to INFO2110; covers material at an advanced and challenging level. See the description of INFO2110 for more information.

INFO2120**Database Systems 1**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture one, 1 hour tutorial and one 2 hour lab per week. **Prerequisites:** INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC) or DECO2011 **Prohibitions:** INFO (2005 or 2820 or 2905). **Assessment:** written and practical assignments plus a written exam

This unit of study will provide a comprehensive introduction to database management, SQL query language, and application development using databases. The fundamentals of relational database technology will be covered. Contents: data modelling, relational data model, data normalisation, logical and physical database design, SQL query language, Form-based application development, client server and web-enabled transactions processing systems, and distributed database systems.

INFO2820**Database Systems 1 (Advanced)**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour laboratory per week. **Prerequisites:** INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study or DECO2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. **Prohibitions:** INFO (2005 or 2120 or 2905) **Assessment:** Exam, written and/or practical assignments

An advanced alternative to INFO2120; covers material at an advanced and challenging level. See the description of INFO2120 for more information.

ISYS2140**Information Systems**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 1 hour practical per week. **Prerequisites:** INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901). **Prohibitions:** ISYS (2006 or 2007) **Assessment:** One 2 hours exam, written assignments and Tutorial presentations

This unit of study will provide a comprehensive conceptual and practical introduction to information systems (IS) in contemporary organisations. Content: General Systems Theory; Basic concepts of organisations, systems and information; The role of information systems in operating and managing organisations; How IS and the Internet enables organisations to adopt more competitive business models, including e-Commerce; The technologies that underpin IS; Distributed systems, including security, networking principles, the client server model and how distributed components locate and communicate with each other; The integration of disparate systems both within the organisation and between organisations, including the role of XML; Behavioural, managerial and ethical issues in implementing and managing IS

Textbooks

Management Information Systems: Managing the Digital Firm, 8th Edition, Kenneth C. Laudon & Jane P. Laudon, Prentice Hall 2004
Computer Networking: A Top-down Approach Featuring the Internet, 2nd edition, James F. Kurose and Keith W. Ross, Pearson/Addison Wesley 2003

SOFT2130**Software Construction 1**

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** One 2 hour lecture and one 2 hour laboratory per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902) **Prohibitions:** COMP (2004 or 2904) or SOFT (2904 or 2004 or 2830). **Assessment:** Programming assignments, in-lab quizzes, 2 hr written exam.

Note: Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.

In this unit of study we cover elementary methods for developing robust, efficient, and re-usable software. The unit is taught in C, in a Unix environment. Specific coding topics include memory management, the pragmatic aspects of implementing data structures such as lists and hash tables, and managing concurrent threads. Debugging tools and techniques are discussed and common programming errors are considered along with defensive programming techniques to avoid such errors. Emphasis is placed on using common Unix tools to manage aspects of the software construction process, such as version control and regression testing. The subject is taught from a practical engineering viewpoint and it includes a considerable amount of programming practice, using existing tools as building blocks to complete a large-scale task. The unit discusses professionalism issues relevant to a career in software development,

including intellectual property in software and employment conditions for programmers

SOFT2830

Software Construction 1 (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour lab per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or in any SOFT unit at 2000-level or above. **Prohibitions:** COMP (2004 or 2904) or SOFT (2004 or 2904 or 2130). **Assessment:** Programming assignments, in-lab quizzes, 2 hr written exam.

Note: Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.

In this unit of study we learn elementary methods for developing robust, efficient and reusable software. An advanced alternative to SOFT 2130; covers material at an advanced and challenging level. See the description of SOFT 2130 for more information.

Computer Science and Information Systems senior units of study

Students are advised that doing less than 24 Senior credit points is not regarded as adequate preparation for a professional career in computing or for further study. Students are advised to balance their workload between semesters. It is important to choose second year subjects appropriately to keep options open for further study. See www.it.usyd.edu.au for advice.

COMP3308

Introduction to Artificial Intelligence

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** 18 crpts of 2000-level units. **Prohibitions:** COMP(3002 or 3902 or 3608) **Assumed knowledge:** Programming skill, as from SOFT2130 or COMP2160 or from Credit level in INFO1903 or SOFT1002 **Assessment:** Assignments, written exam.

Artificial Intelligence (AI) is all about programming computers to perform tasks normally associated with intelligent behaviour. Classical AI programs have played games, proved theorems, discovered patterns in data, planned complex assembly sequences and so on. This unit of study will introduce representations, techniques and architectures used to build intelligent systems. It will explore selected topics such as heuristic search, game playing, machine learning, and knowledge representation. Students who complete it will have an understanding of some of the fundamental methods and algorithms of AI, and an appreciation of how they can be applied to interesting problems. The unit will involve a practical component in which some simple problems are solved using AI techniques.

Textbooks

S.J. Russell and P.Norvig, Artificial Intelligence, A Modern Approach, 2d edition Prentice Hall, 0-13-080302-2, 2003

COMP3608

Intro. to Artificial Intelligence (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** 18 crpts of 2000-level units, and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. **Prohibitions:** COMP(3002, 3902 or 3308) **Assumed knowledge:** Programming skill, as from SOFT2130 or COMP2160 or from Credit level in INFO1903 or SOFT1002. **Assessment:** Assignments, written exam.

An advanced alternative to COMP3308; covers material at an advanced and challenging level. See the description of COMP3308 for more information.

Textbooks

S.J. Russell and P.Norvig, Artificial Intelligence, A Modern Approach, 2d edition Prentice Hall, 0-13-080302-2, 2003

COMP3309

Algorithms

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). **Prohibitions:** COMP(3111 or 3811), COMP(3001 or 3901) or COMP3609 **Assessment:** Assignments, written exam

This unit will discuss techniques of algorithm design and analysis and their applications. The contents include review of analysis of

algorithms; divide and conquer; greedy algorithms; dynamic programming; preprocessing; case study of sorting/selection; case study of pattern matching; case study of graph algorithms; randomised algorithms; NP completeness; approximation algorithms for NPC problems.

COMP3310

Theory of Computation

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lectures and one 2 hour tutorial per week. **Prerequisites:** COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). **Prohibitions:** COMP (2003 or 2903 or 3610) **Assessment:** Assignments One 2 hr exam

This unit explores the fundamental nature of computing. We investigate the expressive power of computer languages, and learn how to describe them with grammars. We discuss the computational power of computers: what can be computed, and what cannot be computed; what can be computed efficiently?

COMP3610

Theory of Computation (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902), and Distinction in a COMP, SOFT, or MATH unit at 2000-level or above. **Prohibitions:** COMP (2003 or 2903 or 3310) **Assessment:** Assignments One 2 hr exam

An advanced alternative to COMP3310; covers material at an advanced and challenging level. See the description of COMP3310 for more information.

INFO3402

Management of IT Projects and Systems

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lectures and one 2 hour tutorials per week. **Prerequisites:** INFO (2000 or 2110 or 2810 or 2900). **Prohibitions:** ISYS (3000 or 3012) **Assessment:** One two hour exam, 2 written assignments, tutorial preparation, participation and presentation

This course introduces the basic processes and techniques for managing IT projects, systems and services, throughout the IT lifecycle. It addresses both the technical and behavioural aspects of IT management at the enterprise level. Major topics include: organisational strategy and IT alignment, IT planning, project planning, tracking, resource estimation, team management, software testing, delivery and support of IT services, service level agreements, change and problem management, cost effectiveness and quality assurance.

Textbooks

Martin, E. W., C. V. Brown, et al. (2002). Managing Information Technology. New Jersey, Pearson Education Inc.

INFO3404

Database Systems 2

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** INFO(2120 or 2820 or 2005 or 2905). **Prohibitions:** INFO (3005 or 3504 or 3905) or COMP (3005 or 3905) **Assessment:** Assignments, written exam.

This unit builds on INFO2120 Database Systems 1. It has two main parts. The first part provides a deeper understanding of the internal mechanisms of a database engine, as it is needed e.g. by Database Administrators (DBA) or Software Engineers for successful performance tuning. Topics include: internal mechanisms in the DBMS engine, database tuning, physical data placement and access structures, query processing and optimisation, transaction management, and security. The second part focuses on the diversity of post-relational systems, and extensions to the relational data model to support different application needs. Topics include: object-relational systems, semi-structured data including XML, and information retrieval for textual data. The unit will be of interest to students seeking an introduction to database tuning, disk-based data structures and algorithms, and advanced data models. It will be valuable to those pursuing such careers as Software Engineers, Database Experts, Database Administrators, or e-Business Consultants.

INFO3504**Database Systems 2 (Adv)**

Credit points: 6 **Teacher/Coordinator:** - **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** INFO (2005 or 2120 or 2820 or 2905), and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. **Prohibitions:** INFO (3005 or 3404 or 3905) or COMP (3005 or 3905) **Assessment:** Assignments, written exam.

An advanced alternative to INFO3404; covers material at an advanced and challenging level.

ISYS3400**Information Systems Project**

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour meetings **Prerequisites:** (INFO3402 or ISYS3012) and (ISYS (3401 or 3015) or ARIN2000). **Prohibitions:** ISYS3207 **Assessment:** Individual presentation, oral examination, group report

The objective is to enable students to design and implement a solution to a complex data processing problem or to investigate an issue in the management or development of a real-world information system. The project consists of students working together in teams to complete a task of adequate complexity that draws on their education in Information Systems to date. The project will either investigate an issue that is important to the successful practice of the management of Information systems including topics in such areas as end-user computing, IS methodologies, business process re-engineering. Alternatively, it will follow through the life-cycle of systems creation and development and delivery using the traditional tools and methods of the systems analyst.

ISYS3401**Analytical Methods & Information Systems**

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hrs lecture and 2 hrs tut / wk **Prerequisites:** ISYS (2140 or 2006) and INFO (2000 or 2110 or 2810 or 2900) and (MATH(1005 or 1015 or 1905) or STAT1021) and (ARIN1000 or ENGL1050 or ENGL1005 or LNGS1001 or LNGS1002 or LNGS1005 or any HPSC unit) **Prohibitions:** ISYS3015 **Assessment:** Assignments, written exam.

This course will provide an introduction to the scientific approach and basic research methods that are relevant for conceptualizing and solving complex problems encountered Information Systems practice. It will guide students through the essential stages of a research project through a variety of case scenarios. A collection of different methods for collecting and analyzing information will be studied in the context of a systems thinking approach to investigative research. These methods include participative methods, surveys, focus groups, controlled experiments and case studies.

Textbooks

Leedy P. and Ornrod J. Practical Research: planning and design (7th ed). Prentice Hall

ISYS3403**IT Systems in Arts and Humanities**

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hr lectures, 2 hr tutorials /wk **Prerequisites:** INFO (2000 or 2110 or 2810 or 2900) and INFO (2005 or 2120 or 2820 or 2905). **Prohibitions:** ISYS3113 or EBUS(3002 or 3004). **Assessment:** Assignments, written exam.

This unit provides a conceptual overview of the key technological directions in Fine Arts, History, New Media, Literature, Politics, & Archaeology. It frames actual technological applications in a theoretical systems context, and builds an understanding of common technological approaches to systems solutions in the Arts and Humanities. Representational technologies such as New Media, Digital Streaming and Content Servers are explored. Concepts underlying Analytical systems and field technologies are also examined to build an understanding of their place in an overall systems context. The course elaborates this understanding through specific experience in web-based scripting, web services, relational database interfaces, XML technologies, and qualitative analysis tools.

MULT3306**Multimedia Computing and Processing**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour practical per week. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** MULT3019, MULT3919, MULT3004, MULT3904, MULT3606, COMP3004, COMP3904 **Assessment:** Assignments, written exam.

Multimedia has become an indispensable part of our heterogeneous computing and communication environment. This unit covers basic and advanced topics of coding and manipulating digital media, which mainly include image, audio, video, graphics, animation, etc. It introduces principles and current techniques such as multimedia data processing, content analysis, media coding and compression. It also elaborates different multimedia coding standards such as JPEG, MP3, and MPEG. Various multimedia systems and cutting-edge multimedia applications are presented. Practice of multimedia programming is also covered. In particular, computer graphics (CG) is of fundamental importance in multimedia. It allows us not only to generate and display still pictures, but also to underlie the display of moving pictures and text. CG is the enabling technology for all the visual elements of multimedia. Therefore, in this unit, we pay special attention to computer graphics and examine established CG algorithms, covering such topics as hidden-line elimination, shading and texturing, and ray-tracing. The effects on performance of algorithmic design choices are considered.

MULT3606**Multimedia Computing & Processing (Adv)**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. **Prohibitions:** MULT3019, MULT3919, MULT3004, MULT3904, MULT3306, COMP3004, COMP3904 **Assessment:** Assignments, written exam.

An advanced alternative to MULT3306; covers material at an advanced and challenging level.

MULT3307**Interactive Multimedia Systems**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3607. **Assessment:** Assignments, written exam.

Interactive multimedia is becoming one of the fastest growing areas in our modern computing and communication industries, and providing effective and flexible access of business, education and cultural information. This unit offers a comprehensive and detailed approach for the design and development of interactive multimedia systems, with maximizing the use of different multimedia building blocks (audio, image, video, graphics and animation). It covers principles and expertise for creation and delivery of interactive multimedia, and looks specifically at media integration, hypermedia design models, human computer interaction, user interface design and programming, multimedia authoring and the design and development process. Practice of creating interactive multimedia systems using a range of programming tools is also included and emphasized.

MULT3607**Interactive Multimedia Systems (Adv)**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a MULT or SOFT or INFO or COMP unit at 2000-level or above. **Prohibitions:** SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3307. **Assessment:** Assignments, written exam.

An advanced alternative to MULT3307; covers material at an advanced and challenging level.

NETS3303**Network Protocols & Programming**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour practicals per week. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or 3604)) and (SOFT(2130 or 2830) or SOFT(2004 or 2904)). **Prohibitions:** NETS(3007 or 3907), COMP(3007 or 3907) or NETS3603. **Assessment:** Assignments, written exam.

Distributed and networked computing has become the norm rather than an exception. Today, the advantages of being able to communicate between computing devices extend beyond computers to incorporate such diverse devices as mobile phones and sensors. This unit covers the mechanisms that enable different computing devices to communicate in networked environments. The focus lies on the fundamental mechanisms and functions that are used to build communication protocols, and the design decisions and system consideration that have to be made for protocols to operate well. In particular, the TCP/IP protocol stack is examined as example protocols. In addition, the unit covers fundamental programming techniques in networked environments. After successful completion of this unit, students are expected to be able to design protocols for specified purposes and also be able to implement protocols according to standardization documents (RFCs).

Textbooks

Douglas Comer, Internetworking with TCP/IP, Principles, Protocols, and Architectures, Fourth Edition ISBN: 0-13-01830-6, Publisher: Pearson-Prentice Hall

NETS3603**Network Protocols & Programming (Adv)**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or 3604)) and (SOFT(2130 or 2830) or SOFT(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibitions:** NETS(3007 or 3907), COMP(3007 or 3907) or NETS3303. **Assessment:** Assignments, written exam.

An advanced alternative to NETS3303; covers material at an advanced and challenging level.

Textbooks

Douglas Comer, Internetworking with TCP/IP, Principles, Protocols, and Architectures, Fourth Edition ISBN: 0-13-01830-6, Publisher: Pearson-Prentice Hall

NETS3305**Computer and Network Security**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or ELEC3604) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** NETS(3016 or 3916), NETS3605 or ELEC(5610 or 5616) **Assessment:** Assignments, written exam.

This unit examines the main issues of security for enterprise systems and networks. It covers confidentiality, integrity, data-origin authentication, non-repudiation, user authentication, access control. At the end of this unit students will know and understand properties of and evaluate a variety of common techniques to address security threats (public-key crypto, private-key crypto, firewalls, role-based access-control, etc). We pay special attention to the variety of attacks to which systems are subjected, and we address ways of managing the risks associated with different attacks. In this unit, cryptography is treated as a tool with given properties; to learn more about cryptography see units offered by the School of Mathematics and Statistics.

NETS3605**Computer and Network Security (Advanced)**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC3504 or ELEC3604) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibitions:** NETS(3016 or 3916), NETS3305 or ELEC(5610 or 5616) **Assessment:** Assignments, written exam.

An advanced alternative to NETS3305; covers material at an advanced and challenging level.

NETS3304**Operating System Internals**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (ELEC1601 or NETS(2008 or 2908) or COMP(2001 or 2901) or ELEC2601) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** NETS(3009 or 3909 or 3604), COMP(3009 or 3909). **Assessment:** Assignments, written exam

Note: Students who were not able to do ELEC1601, but have the remaining prerequisites, are encouraged to apply for special permission to enrol in this unit.

This unit will provide a comprehensive discussion of relevant OS issues and principles and discuss how those principles are put into practice in real operating systems. The contents include internal structure of OS; several ways each major aspect (process scheduling, inter-process communication, memory management, device management, file systems) can be implemented; the performance impact of design choices; case studies of common OS (Linux, MS Windows NT, etc). The contents also include concepts of distributed systems: naming and binding, time in distributed systems, resource sharing, synchronization models (distributed shared memory, message passing), fault-tolerance, and case study of distributed file systems.

NETS3604**Operating Systems Internals (Advanced)**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (ELEC1601 or NETS(2008 or 2908) or COMP(2001 or 2901) or ELEC2601) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibitions:** NETS(3009 or 3909 or 3304), COMP(3009 or 3909) **Assessment:** Assignments, written exam.

Note: Students who were not able to do ELEC1601, but have the remaining prerequisites, are encouraged to apply for special permission to enroll in this unit.

An advanced alternative to NETS3304; covers material at an advanced and challenging level. See the description of NETS3304 for more information.

SOFT3300**Software Development Project**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 1 hour lecture, or supervision meeting, per week. **Prerequisites:** INFO(2110 or 2810 or 2000 or 2900) and SOFT(2130 or 2830 or 2004 or 2904) or COMP(2004 or 2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations). **Prohibitions:** SOFT3600, SOFT3200, SOFT3700 **Assessment:** Project process documentation, oral presentation, written report.

This unit is a capstone for the undergraduate curriculum. It provides students with the chance to demonstrate their skills in developing a substantial software system, working in a group which needs to carry out the full range of activities including requirements capture, analysis and design, coding, testing and documentation.

SOFT3600**Software Development Project (Advanced)**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 1 hour lecture, or supervision meeting, per week. **Prerequisites:** (INFO2110 or INFO2810 or INFO2000 or INFO2900) and (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2904 or COMP2004 or COMP2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations), and Distinction in any 2000-level or above IT-related unit. **Prohibitions:** SOFT3300, SOFT3200, SOFT3700 **Assessment:** Project process documentation, oral presentation, written report.

An advanced alternative to SOFT3300; covers material at an advanced and challenging level.

SOFT3301**Software Construction 2**

Credit points: 6 **Session:** Semester 1 **Classes:** 2 hours lecture, 2 hours tutorial per week. **Prerequisites:** SOFT(2130 or 2830 or 2004 or 2904) or COMP2004 or COMP2904 **Prohibitions:** SOFT3601, SOFT3104, SOFT3804, COMP3008, COMP3908 **Assessment:** Programming assignments, in-lab quizzes, written exam.

At the end of this course you should have an easy familiarity with C++ and know when (and when not) to use it to solve a problem. In

particular, we deal with those issues which differ from Java and C, including multiple inheritance, name spaces, destructors, the difference between virtual and non-virtual overriding, and templates. You should be comfortable reading the STL source. You will know many of the recognized Design Patterns, and be able to use them appropriately to evaluate and improve (refactor) existing code. You will have experience with coding using an Integrated Development Environment.

SOFT3601

Software Construction 2 (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2004 or COMP2004 or COMP2904), and Distinction in any 2000-level or above SOFT or INFO unit. **Prohibitions:** SOFT3301, SOFT3104, SOFT3804, COMP3008, COMP3908 **Assessment:** Programming assignments, in-lab quizzes, written exam.

An advanced alternative to SOFT 3301; covers material at an advanced and challenging level.

SOFT3302

Software Quality Assurance

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours lecture, 2 hours tutorial per week. **Prerequisites:** (INFO(2110 or 2810) or INFO(2000 or 2900)) and ((COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904))). **Prohibitions:** SOFT(3602 or 3103 or 3803) **Assessment:** Programming assignments, in-lab quizzes, written exam.

This unit will discuss ways in which the quality of software systems can be enhanced through processes that occur within the Software Development Life Cycle (SDLC). We cover both agile methodologies such as extreme programming (XP), and heavier methodologies such as Rational's RUP. We deal with ways to enhance quality of designs and of code construction, and we particularly emphasize the role of testing, for functionality and also for nonfunctional issues such as performance, usability, conformance to policy). You will learn to produce a testing strategy, starting from a careful analysis of the risks faced by the system; this strategy is elaborated into a detailed test plan. You will evaluate test plans in terms of coverage and contribution to system reliability. Emphasis is also placed on the management of the testing activity, especially on tracing from test results back to the aspect of the requirements being tested. You will have experience using some automated tools for managing the testing process.

SOFT3602

Software Quality Assurance (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour tutorial per week. **Prerequisites:** (INFO(2110 or 2810) or INFO(2000 or 2900)) and ((COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904))), and Distinction in any 2000-level or above SOFT or INFO unit. **Prohibitions:** SOFT(3302 or 3103 or 3803) or, COMP(3008 or COMP3908) **Assessment:** Programming assignments, in-lab quizzes, written exam.

An advanced alternative to SOFT 3302; covers material at an advanced and challenging level.

Computer Science Honours

To be awarded Honours in Computer Science, a student must complete units of study to a total of 48 credit points, as approved by the School and the Faculty, as follows: 6 credit points of research preparation through the unit INFO4990, covering a literature review and research plan, 18 credit points of research project through the unit INFO4991 and 4992, and 24 credit points of coursework units of study, which, except with permission of the School and Faculty, must all be from 4000-level units of study which are in the subject area of Computer Science (that is, units of study or selected 5000-level units of study (see Honours units of study)). Seek special permission from the School of Information Technologies for 5000-level units. Note that the Faculty requires that Honours be completed in two consecutive semesters of full-time study, or four consecutive semesters of part-time study; a single final grade and mark is given for the Honours course, as determined by the Faculty based on performance in Honours and in prior undergraduate study.

Honours units of study

COMP4045

Computational Geometry

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Assumed knowledge:** Data structures, analysis of algorithms **Assessment:** Practical assignments, written assignments, exam

Geometric data are used in fields including information and scientific visualisation, image processing, pattern recognition, chip layout, and geographic information systems. This unit focuses on the study of computational algorithms which efficiently process geometric data. Students will approach relevant research being done in the University of Sydney.

Textbooks

M. de Berg, et al "Computational Geometry: Algorithms and Applications", Springer (2000)

COMP4046

Statistical Natural Language Processing

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Assumed knowledge:** Concepts of linguistics, elementary statistics, AI techniques **Assessment:** Practical assignments, written assignments, exam

This unit deals with techniques that allow computers to handle natural human languages (such as English, French), by analysis of large corpora of text. Particular emphasis is given to methods that analyse the meaning in texts, the categorisation of texts, and the general application of machine learning methods to these topics. Students will approach the relevant research being done in the University of Sydney.

COMP4048

Information Visualisation

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Assumed knowledge:** Discrete mathematics **Assessment:** Practical assignments, written assignments, exam

This unit provides knowledge of the concepts techniques and algorithms involved in producing graphical representations of relational information, especially graph drawings. Students will approach relevant research in the University of Sydney.

Textbooks

C. Ware "Information Visualisation" Morgan Kaufman (2000); R. Spence "Information Visualisation" Addison-Wesley (2000)

COMP5318

Knowledge, Discovery and Data Mining

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** COMP5138 Relational Database Management Systems. **Assessment:** Assignments, written exam.

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

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** COMP5306 **Assumed knowledge:** COMP5138 Relational Database Management Systems **Assessment:** Assignments, written exam.

This course will offer a comprehensive survey of post-relational data models and technologies with significant emphasis on XML and

content management on the world wide web. The important challenges in managing the complex and varied data in modern database environments will be specifically addressed.

COMP5347

e-Commerce Technology

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.

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

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, exam

This unit covers a range of approaches for constructing large-scale computer-based systems which can deal with data and business processes through a large company or other organisation. In building software on this scale, it is essential to integrate existing "legacy" code and data stores. The unit includes a study of both middleware technologies and process management techniques needed to develop enterprise scale computer-based systems.

COMP5416

Advanced Network Technologies

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** COMP5116 Internet Protocols and COMP5126 Distributed Systems Programming **Assessment:** Assignments, written exam

The unit introduces networking concepts beyond the best effort service of the core TCP/IP protocol suite. Provides 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. 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

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assessment:** Assignments, written exam.

Specialist/Elective 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

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** COMP 5122 Multimedia Human Computer Interaction **Assessment:** Assignments, written exam

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

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** COMP5126 Distributed Systems Programming **Assessment:** Assignments, written exam.

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.

Information Systems Honours

To be awarded Honours in Information Systems, a student must complete units of study to a total of 48 credit points, as approved by the School and the Faculty, as follows: 6 credit points of research preparation through the unit INFO4990, covering a literature review and research plan, 18 credit points of research project through the unit INFO4991 and 4992, and 24 credit points of coursework units of study, which, except with permission of the School and Faculty, must all be from 4000-level units of study which are in the subject area of Information Systems (that is, units of study or selected 5000-level units of study (see Honours units of study). Seek special permission from the School of Information Technologies for 5000-level units. Note that the Faculty requires that Honours be completed in two consecutive semesters of full-time study, or four consecutive semesters of part-time study; a single final grade and mark is given for the Honours course, as determined by the Faculty based on performance in Honours and in prior undergraduate study.

Honours units of study

INFO4010

IT Advanced Topic A

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Prerequisites:** Permission of Head of School **Assessment:** Practical assignments, written assignments, exam

Note: Department permission required for enrolment .

This unit will cover some topic of active research within IT; it will change in content depending on special opportunities such as a distinguished researcher visiting the University. Topics depend upon staff availability.

INFO4011

IT Advanced Topic B

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Prerequisites:** Permission of Head of School **Assessment:** Practical assignments, written assignments, exam

Note: Department permission required for enrolment .

This unit will cover some topic of active research within IT; it will change in content depending on special opportunities such as a distinguished researcher visiting the University. Topics depend upon staff availability.

INFO4990**IT Research Methods**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** One 3 hour scheduled small-group class per week, plus 9 hours per week private work (including interaction with research supervisor). **Assumed knowledge:** Elementary statistics **Assessment:** Written papers (critical evaluation of a research paper, literature survey, research plan, thesis structure) and oral presentation.

Note: Department permission required for enrolment.

This unit forms a key foundation for the student's work on their IT-related research project within an Honours degree. It introduces the varied approaches to research common in different fields of IT, such as experimentation, simulation, prototyping/design, mathematical proof, surveys, and interpretive methods. The main focus is on understanding how research is done, and how it is evaluated. Key assessment tasks include writing a critical evaluation of a research paper from the literature, a survey of the literature within some topic, a research plan, and a presentation of a research plan. It is expected that the student would use their thesis research as the basis for this assessment, and use feedback provided in this unit to improve the work for inclusion in the final thesis.

ISYS4050**Knowledge Management Systems**

Credit points: 6 **Session:** Semester 1 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Assumed knowledge:** Information systems concepts, database concepts **Assessment:** Practical assignments, written assignments, exam

This unit will provide a comprehensive introduction to the emerging area of Knowledge Management (KM) from both technological and organisational perspectives. Topics include document repositories, ontologies and the semantic web, customer relationship management systems, communities of practice, and computer-supported cooperative work. Students will approach relevant research being done in the University of Sydney.

NETS4047**Pervasive Computing**

Credit points: 6 **Session:** Semester 2 **Classes:** One 2 hour scheduled small-group class per week, plus 10 hours per week private work. **Assumed knowledge:** Networking concepts, operating system concepts, programming expertise **Assessment:** Practical assignments, written assignments, exam

Pervasive computing deals with the likely future where many computational devices are widely dispersed in the environment: there will be sensors in rooms, people will carry PDAs or mobile phones with capacity for running sophisticated software, etc, there may be chips in one's clothing. Key issues include communication between the devices and humans; interpretation of, and adapting computation to, the human context; managing the information and communication efficiently so knowledge gets to the places where it is needed. Students will approach the relevant research being done in the University of Sydney.

INFO4991**IT Research Thesis A**

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 12 hours per week research work (including interaction with supervisor and research group). **Corequisites:** INFO4990 and INFO4992 **Assessment:** Thesis

Together with INFO4992, this unit covers the research and writing of the student's Honours thesis.

INFO4992**IT Research Thesis B**

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 24 hours per week research work (including interaction with supervisor and research group). **Corequisites:** INFO4990 and INFO4991 **Assessment:** Thesis

Together with INFO4991, this unit covers the research and writing of the student's Honours thesis.

INFO4999**Computer Science Honours Result**

Session: Semester 1, Semester 2 **Prerequisites:** Permission of the Head of Department

Note: Department permission required for enrolment.

All students in Computer Science Honours must enrol in this non assessable unit of study in their final semester.

Law units of study

The following units of study are only available to students in the Bachelor of Science/Bachelor of Laws degree. Please consult degree information in chapter 9, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

Curriculum Review

The Faculty of Law is undertaking a curriculum review, anticipated to be completed in 2007/2008. Combined law students are expected to complete 48 credit points of Law units of study in the first three years of the combined degree. Third year combined law students who are not able to accumulate 48 credit points of Law units of study using the unit of study codes in Table 2 as it appears in Chapter 9 must contact the Faculty of Law for alternative unit of study codes for Federal Constitutional Law and Law, Lawyers and Justice.

LAWS1006**Foundations of Law**

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Smith **Session:** Semester 1 **Classes:** (1x1hr lec and 2x2hr seminars)/wk **Prohibitions:** LAWS1000 **Assessment:** class participation (20%), 1x case assignment (30%) and 1x research essay (50%)

Note: Available to Combined Law candidates only.

This unit of study provides a foundation core for the study of law. We aim to provide a practical overview of the Australian legal system, an introduction to the skills of legal reasoning and analysis which are necessary to complete your law degree, and an opportunity for critical engagement in debate about the role of law in our lives. The course will introduce students to issues such as: - the development of judge made and statute law - the relationship between courts and parliament - the role and function of courts, tribunals and other forms of dispute resolution - understanding and interrogating principles of judicial reasoning and statutory interpretation - the relationship between law, government and politics - what are rights in Australian law, where do they come from and where are they going - the development and relevance of international law.

LAWS1010**Torts**

Credit points: 6 **Teacher/Coordinator:** Mr Ross Anderson **Session:** Semester 2 **Classes:** (1x2hr seminar and 1x1hr seminar)/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS3001, LAWS1012, LAWS1005 **Assessment:** 2x class tests (15% each) and 1x2hr open book exam (70%)

Note: Department permission required for enrolment.

Note: Available to Combined Law candidates who commenced prior to 2006 and are progressing under the old LLB resolutions.

This is a general introductory unit of study concerned with liability for civil wrongs. The unit seeks to examine and evaluate, through a critical and analytical study of primary and secondary materials, the function and scope of modern tort law and the rationale and utility of its governing principles. Particular topics on which the unit will focus include: (a) The relationship between torts and other branches of the common law including contract and criminal law; (b) The role of fault as the principal basis of liability in the modern law; (c) Historical development of trespass and the action on the case and the contemporary relevance of this development; (d) Trespass to the person (battery, assault, and false imprisonment); (e) Interference with goods (trespass, detinue and conversion) (f) Trespass to land and private nuisance; (g) The action on the case for intentional injury; (h) Defences to trespass, including consent, intellectual disability, childhood, necessity and contributory negligence; (i) Development

and scope of the modern tort of negligence, including detailed consideration of duty of care and breach of duty with particular reference to personal and psychiatric injury; (j) Injuries to relational interests, including compensation to relatives of victims of fatal accidents; (k) Defences to negligence.

LAWS1012

Torts

Credit points: 6 **Teacher/Coordinator:** Mr Ross Anderson **Session:** Semester 2 **Classes:** (1x2hr seminar and 1x1hr seminar)/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1005, LAWS1010, LAWS3001 **Assessment:** 2x class tests (15% each) and 1x2hr open book exam (70%)

Note: Available to Combined Law candidates who commence in 2007.

This is a general introductory unit of study concerned with liability for civil wrongs. The unit seeks to examine and evaluate, through a critical and analytical study of primary and secondary materials, the function and scope of modern tort law and the rationale and utility of its governing principles. Particular topics on which the unit will focus include: (a) The relationship between torts and other branches of the common law including contract and criminal law; (b) The role of fault as the principal basis of liability in the modern law; (c) Historical development of trespass and the action on the case and the contemporary relevance of this development; (d) Trespass to the person (battery, assault, and false imprisonment); (e) Interference with goods (trespass, detinue and conversion) (f) Trespass to land and private nuisance; (g) The action on the case for intentional injury; (h) Defences to trespass, including consent, intellectual disability, childhood, necessity and contributory negligence; (i) Development and scope of the modern tort of negligence, including detailed consideration of duty of care and breach of duty with particular reference to personal and psychiatric injury; (j) Injuries to relational interests, including compensation to relatives of victims of fatal accidents; (k) Defences to negligence.

LAWS1013

Legal Research I

Teacher/Coordinator: Ms Margaret McAleese **Session:** Semester 1 **Classes:** 1x1hr seminar/fortnight **Corequisites:** LAWS1006 **Prohibitions:** LAWS1008 **Assessment:** 1x assignment

Note: Available to Combined Law candidates only in 2007.

This is a compulsory unit taught on a pass/fail basis. It consists of five classes which meet once a fortnight during first semester. The aim of this course is to introduce you to finding and citing primary and secondary legal materials and introducing you to legal research techniques. These are skills which are essential for a law student and which you will be required to apply in your other units.

LAWS1014

Processes of Justice

Credit points: 6 **Teacher/Coordinator:** Ms Miiko Kumar **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Corequisites:** LAWS1006 (for transfer students only) **Prohibitions:** LAWS1007, LAWS3002, LAWS3004, LAWS1001 **Assessment:** 1x2000wd assignment (35%), class participation (15%) (subject to class size) and 1x2hr exam (50%)

Note: Available to Combined Law candidates who commenced in 2006 or 2007 and are progressing under the new LLB resolutions.

This unit of study aims to introduce students to the procedures that administer justice. It is concerned with the processes relating to civil dispute resolution and criminal justice which are separate to the substantive hearing. The unit will consider the features of an adversarial system of justice and its impact on process. Recent reforms to adversarial process will be explored. The civil dispute resolution part of the unit will cover alternative dispute resolution, the procedures for commencing a civil action, case management, gathering evidence and the rules of privilege. Criminal process will be explored by reference to crime and society, the phenomenon of crime, colonisation and crime, police powers, bail and sentencing. The course focuses on practical examples with consideration of ethics, and contextual and theoretical perspectives.

LAWS1015

Contracts

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elisabeth Peden **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1002, LAWS2000, LAWS2008 **Assessment:** 1x1hr in-class test (25%), online quizzes (15%) and 1x2hr exam (60%)

Note: Available to Combined Law candidates who commenced in 2006 or 2007 and are progressing under the new LLB resolutions.

Contract law provides the legal background for transactions involving the supply of goods and services and is, arguably the most significant means by which the ownership of property is transferred from one person to another. It vitally affects all members of the community and a thorough knowledge of contract law is essential to all practising lawyers. In the context of the law curriculum as a whole, Contracts provides background which is assumed knowledge in many other units. The aims of the course are composite in nature. The course examines the rules that regulate the creation, terms, performance, breach and discharge of a contract. Remedies and factors that may vitiate a contract such as misrepresentation are dealt with in Torts and Contracts II. The central aim of the course is to provide an understanding of the basic principles of contract law and how those principles are applied in practice to solve problems. Students will develop the skills of rules based reasoning and case law analysis. A second aim is to provide students an opportunity to critically evaluate and make normative judgments about the operation of the law. Successful completion of this unit of study is a prerequisite to the option Advanced Contracts.

LAWS1016

Criminal Law

Credit points: 6 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS1003, LAWS2001, LAWS2009 **Assessment:** class participation (10%), 1x in-class problem (10%), 1x research problem (30%) and 1x exam (50%)

Note: Available to Combined Law candidates who commenced in 2006 or 2007 and are progressing under the new LLB resolutions.

This unit of study is designed to introduce the general principles of criminal law in context as they operate in NSW, and to critically analyse these in their contemporary social and political relevance. In order to achieve these goals, the unit will consider a range of theoretical literature as well as critical commentary, and will focus on particular substantive legal topics in problem-centred contexts. Although the topic structure is necessarily selective, it is intended that students will gain a broad understanding of crime and justice issues, as well as of the applications of the criminal law. Students will encounter problem-based learning and will be encouraged to challenge a range of conventional wisdom concerning the operation of criminal justice. This unit of study is designed to assist students in developing the following understandings: (1) A critical appreciation of certain key concepts which recur throughout the substantive criminal law. (2) A knowledge of the legal rules in certain specified areas of criminal law and their application. (3) A preliminary knowledge of how the criminal law operates in its broader societal context. (4) Through following the process of proof in a criminal prosecution and its defense, to understand the determination of criminal liability. The understandings referred to in the foregoing paragraphs will have a critical focus and will draw on procedural, substantive, theoretical and empirical sources. The contradictions presented by the application of legal principle to complex social problems will be investigated.

LAWS2008

Contracts

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Elisabeth Peden **Session:** Semester 1, Summer Dec **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1002, LAWS1015 **Assessment:** 1x1hr in-class test (25%), online quizzes (15%) and 1x2hr exam (60%)

Note: Department permission required for enrolment in the following sessions: Semester 1.

Note: Available to Combined Law candidates who commenced prior to 2006 and are progressing under the old LLB resolutions.

Contract law provides the legal background for transactions involving the supply of goods and services and is, arguably the most significant

means by which the ownership of property is transferred from one person to another. It vitally affects all members of the community and a thorough knowledge of contract law is essential to all practising lawyers. In the context of the law curriculum as a whole, Contracts provides background which is assumed knowledge in many other units. The aims of the unit are composite in nature. The central aim is to provide an understanding of the basic principles of the common law, equity and statutes applicable to contracts. A second aim is to provide students an opportunity to critically evaluate and make normative judgments about the operation of the law. As Contracts is basically a case law unit, the final aim of the unit of study is to provide experience in problem solving through application of the principles derived from decided cases. Successful completion of this unit of study is a prerequisite to the option Advanced Contracts.

LAWS2009 Criminal Law

Credit points: 6 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1003, LAWS1016 **Assessment:** class participation (10%), 1x in-class problem (10%), 1x research problem (30%) and 1x exam (50%)

Note: Department permission required for enrolment.

Note: Available only to Combined Law candidates who commenced prior to 2006 and are progressing under the old LLB resolutions.

This unit of study is designed to introduce the general principles of criminal law and process as they operate in NSW, and to critically analyse these in their contemporary social context. In order to achieve these goals, the unit will consider a range of socio-legal literature, and will focus on particular substantive legal topics. Although the topic structure is necessarily selective, it is intended that students will gain a broad understanding of crime and justice issues, as well as of the applications of the criminal law. Students will encounter problem-based learning and will be encouraged to challenge a range of conventional wisdom concerning the operation of criminal justice. This unit of study is designed to assist students in developing the following understandings: (1) A critical appreciation of certain key concepts which recur throughout the substantive criminal law. (2) A knowledge of the legal rules in certain specified areas of criminal law and their application. (3) A preliminary understanding of the working criminal justice system as a process and the interaction of that process with the substantive criminal law. (4) A preliminary knowledge of how the criminal law operates in its broader societal context. (5) Through following the process of proof in a criminal prosecution and its defense, to understand the determination of criminal liability. The understandings referred to in the foregoing paragraphs will have a critical focus and will draw on procedural, substantive, theoretical and empirical sources. The contradictions presented by the application of legal principle to complex social problems will be investigated.

LAWS3003 Federal Constitutional Law

Credit points: 12 **Teacher/Coordinator:** Dr Peter Gerangelos **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS3000 **Assessment:** 1x mid-semester assignment/exam (40%) and 1x3hr exam (60%)

Note: Available to Combined Law candidates only.

This unit of study aims to achieve an understanding of the principles of Australian constitutional law. The unit commences with a development of an understanding of Australia's constitutional independence, parliamentary sovereignty, indigenous rights and the concepts of representative and responsible government. Further topics covered include federalism (including the external affairs power and the relationship between Commonwealth and state laws); economic and financial power and relations (including the corporations power, the trade and commerce power, freedom of interstate trade, and excise); the doctrine of separation of powers and judicial power of the Commonwealth; express and implied constitutional rights; and principles of constitutional interpretation. The unit aims to develop a capacity to evaluate the principles critically, with regard to political theory and the social context within which cases have been decided.

LAWS3004

Law, Lawyers and Justice

Credit points: 12 **Teacher/Coordinator:** Assoc Prof Mary Crock **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS3002, LAWS1007, LAWS1001 **Assessment:** class participation (10%), reflective journal (30%) and 1x open book exam (60%)

Note: Available to Combined Law candidates proceeding under the old resolutions.

Law, Lawyers and Justice has a distinct intellectual focus. It is the only unit in the curriculum that concentrates on the regulation of the legal profession and legal practice. Part 1 of Law, Lawyers and Justice examines the nature and structure of the legal profession, historical struggles to regulate the profession, and the current regulatory regime in New South Wales. Part 2 explores specific forms of legal practice, highlights the major cultural and economic forces that challenge attempts to regulate the profession and canvasses alternative ways of organising legal practice and providing legal services. Part 3 investigates the adversary system and considers its advantages and limitations. More specifically, the material in Part 3 addresses how the adversary system moulds lawyers' behaviour within and outside the judicial process and analyses current regulatory measures aimed at curbing the undesirable aspects of an adversarial culture. Part 4 evaluates the way clients are treated by lawyers and suggests strategies to change their conduct in the interests of both equality and effective communication. Furthermore, it examines lawyers' duties to their clients and the ways in which the rules and principles of confidentiality, legal professional privilege and conflicts of interest shape the advice and representation lawyers provide for their clients.

Liberal Studies units of study

The Bachelor of Liberal Studies degree is offered jointly by the Faculties of Science and Arts. The Faculty of Arts administers the degree program. Liberal Studies students should consider the Faculty of Arts their home Faculty for administrative purposes. The following units of study form part of the requirements of the Bachelor of Liberal Studies degree. Please consult degree information in Chapter 2, the Tables earlier in this chapter, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

ENGL1000 Academic Writing

Credit points: 6 **Teacher/Coordinator:** Dr R Johnke (Sem 1 2007); Dr S Thomas (Sem 2 2007) **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** One 1 hour lecture and one 2 hour workshop per week **Prerequisites:** This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native competence in written English. Students not meeting this requirement should enrol in appropriate remedial English courses before undertaking ENGL1000. ENGL1000 cannot be counted towards the junior credit points required to enrol in senior units of English, though it can be counted as an elective in most degree programs. **Assessment:** One 750 word annotated bibliography, one 1500 word essay, one 1000 word critical reading task, one oral presentation and a weekly journal

Academic Writing is designed to improve student writing at all undergraduate levels in a variety of formats across a range of disciplines. Lectures and workshops are organized around readings about rhetoric and its aims, films that illustrate the arts of rhetoric at work and exercises in writing, critical analysis and editing. Students are presented with examples of 'real' student writing and taught to differentiate between effective and ineffective approaches.

Textbooks

Corbett, Edward P.J. and Robert Connors. *Classical Rhetoric for the Modern Student*. 4th Ed. Oxford UP: 1999.

ENGL1007 Language, Texts and Time

Credit points: 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** Two 500 word assignments, one 2000 word essay and one 1.5 hour exam

This course equips students with some general tools for the close analysis of literary language. Grammatical concepts will be introduced and applied to the description of prose, poetry and drama, and students will explore the changing relations between form and meaning in English from the earliest times up to the present. A number of key strands in contemporary language study will also be presented, including semiotic theory, rhetoric and discourse studies and theorizations of the relationship between texts and subjectivity.

Textbooks

Crystal, David, *The Cambridge Encyclopedia of the English Language* 2ed (Cambridge, 2003)
 Barber, Charles, *The English Language: A Historical Introduction* (Cambridge, 1993).
 Lennard, John, *The Poetry Handbook* 2ed (Oxford, 2005).
 A Resource book will be available from the University Copy Centre.

LNGS1001

Structure of Language

Credit points: 6 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 1
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** LNGS1004, LNGS1005 **Assessment:** Ten short problem based assignments, each about 150 words, for a total of 1500 words; one 1 hour mid-term exam (equivalent to 1000 words); one 2 hour formal final examination (equivalent to 2000 words)

This unit is a comparative look at the general structure of human language. It looks at the sounds of human language: how the speech organs make them and their variety, in particular, a detailed description of English consonants and vowels and how to transcribe them. It investigates what is a possible word in English and other languages. It looks at the way speakers put words together to form sentences and how and why is English different from Japanese or even Irish.

Textbooks

Fromkin, V., Rodman, R., Hyams, N., Collins., Collins, P., Amberber, M. 2005. 'An Introduction to Language'. Fifth edition. Sydney: Harcourt.

Marine Science

The University of Sydney Institute of Marine Science (USIMS) provides for undergraduate units of study of a transdisciplinary nature in the marine sciences at the Intermediate, Senior and Honours levels. Staff from the School of Biological Sciences and the School of Geosciences teach these units. For further information on all units of study, please refer to the Marine Science website (www.usyd.edu.au/marine)

Marine Science Intermediate units of study

MARS2005

Global Oceans (Introduction)

Credit points: 6 **Teacher/Coordinator:** Dr Michael Hughes **Session:** Semester 1
Classes: Three 1 hour lectures per week and six tutorials per semester and 1 day field trip. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Prohibitions:** MARS2001, MARS2905 **Assessment:** One 2 hour exam, assignments

Note: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.

This course is split into two sections: physical and geological oceanography. Major physical oceanography topics include the physical and chemical properties of ocean water, ocean circulation, waves and tides. Major geological oceanography topics include the origins and geological history of ocean basins, ocean volcanism, sediments and continental margins. Both the regional oceanography and continental shelf of Australia are emphasised. Although this is principally a lecture-based course, you will receive feedback on your understanding of the course content through regular assignments and six tutorials. The learning outcome you should expect at the end of the course is a broad knowledge of the fundamental concepts in physical and geological oceanography, and their particular relevance to the Australasian region. This provides the necessary background for senior-level Marine Science courses in which you will learn more advanced concepts, and also become involved in the practical and field-based aspects of marine science.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall

MARS2006

Marine Ecosystems and Geomorphology

Credit points: 6 **Teacher/Coordinator:** Dr Peter Cowell **Session:** Semester 2
Classes: Three 1 hour lectures and six tutorials per semester and 1 day field excursion. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Prohibitions:** MARS2002, MARS2906, GEOG2002 **Assumed knowledge:** MARS2005 **Assessment:** One 2 hour exam, assignments

Note: This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.

This course is split into two sections: marine biology and coastal geomorphology. The marine biology section describes some of the ways that the properties of the oceans affect marine organisms. It also introduces coral reefs and other marine ecosystems, together with their productivity, biological oceanography, the reproductive biology of marine organisms, and marine biological resources. The coastal geomorphology section provides an introduction to coastal geomorphology by examining the geographic variability of coasts as the sum effect of variations in terrestrial, climatic and oceanographic factors. These factors are introduced in terms of the main physical processes (geology, sea-level, waves, tides, winds) governing coastal geomorphology on a range of space-time scales. Geographic variation in the physical processes is illustrated by reference to the local coast: ie, Sydney. The illustration is amplified by drawing comparisons with other parts of SE Australia, and with overseas examples (especially from coastal environments very different to that of Sydney).

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney

MARS2007

Marine Science Field School

Credit points: 6 **Teacher/Coordinator:** Prof Andy Short **Session:** S1 Intensive
Classes: Field school, four 3 hour practicals. **Prerequisites:** 24 credit points of Junior Science units **Corequisites:** MARS (2005 or 2905). **Prohibitions:** MARS2003, MARS2907 **Assessment:** Participation in field school, field report **Practical field work:** The practical classes are intended to familiarise the student with laboratory and data processing techniques, and report writing, with an intention to connect fieldwork and theoretical issues.

Note: This unit of study is available to students in the Bachelor of Science (Marine Science) only.

Marine Scientists are generally involved in a wide variety of fieldwork throughout their careers. A detailed knowledge of field methods and techniques is therefore a necessary component in the education of marine scientists. This unit of study introduces students to a range of field issues within the coastal and marine environment during a 5 day field school held prior to commencement of lectures in Semester 1. Many of the field methods focused on are generic across the marine disciplines. In addition, techniques specific to the disciplines of Biological Sciences and Geosciences are taught. Students will be expected to participate in a hands-on way, undertaking small project-based data collection exercises during the field school. These data will provide resources for the practical part of the course undertaken during semester.

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney
 Pechenik JA (2003) *A Short Guide to Writing About Biology*, 5th edn. Addison Wesley Longman, Sydney

MARS2905

Global Oceans (Introduction) (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Michael Hughes **Session:** Semester 1
Classes: Three 1 hour lectures per week, six tutorials per semester and 1 day field trip. **Prerequisites:** Credit average in 24 credit points of Junior Science units. **Prohibitions:** MARS2005, MARS2001 **Assessment:** One 2 hour exam, 8 assignments, participation in field trip activities

Note: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2005, while sharing the same lectures. The content and nature of these components may vary from year to year.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall.

MARS2906**Marine Ecosystems and Geomorphology Adv**

Credit points: 6 **Teacher/Coordinator:** Dr Peter Cowell **Session:** Semester 2 **Classes:** Three 1 hour lectures, 6 hours tutorial per semester and 1 day field excursion. **Prerequisites:** Credit average in 24 credit points of Junior Science units **Prohibitions:** MARS2006, MARS2002, GEOG2002 **Assessment:** One 2 hour exam and assignments.

Note: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2006, while sharing the same lectures. The content and nature of these components may vary from year to year.

Textbooks

Castro P, Huber M (2003) Marine Biology, 4th edn. McGraw-Hill Higher Education, Sydney

MARS2907**Marine Science Field School (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Prof Andy Short **Session:** S1 Intensive **Classes:** Field school and four 3 hour practicals. **Prerequisites:** Credit average in 24 credit points of Junior Science units. **Corequisites:** MARS2005 or MARS2905 **Prohibitions:** MARS2007, MARS2003 **Assessment:** Participation in field school activities and submission of a field report.

Note: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2007, while sharing the same practical and fieldwork. The content and nature of these components may vary from year to year.

Marine Science senior units of study

Students intending to major in Marine Science should enrol in Senior units of study to a total worth of 24 credit points from the list below, including at least one BIOL and one GEOS unit. Students in the specialist BSc (Marine Science) degree must enrol in a minimum of 36 credit points of Senior Marine Science units of study, which may include up to 3 Tropical Marine Science (NTMP) units, and which must include at least one BIOL and one GEOS unit. Students are encouraged to select those electives in which they have a particular interest, subject to certain conditions (see Table 1). Because of limited facilities available for some units of study, particularly in marine biology, it may be necessary to restrict number of students taking these electives. If this need arises selection will be based on academic merit and/or other courses completed. All students intending to enrol in any of the biology options must consult the booklet information for Students Considering Senior Biology Units of Study available from the School of Biological Sciences Office during the last few weeks of the academic year prior to this enrolment. Each student should also complete a preliminary enrolment form in the School of Biological Sciences before first semester commences.

Descriptions of senior Marine Science options

Students should consult electives as listed in this chapter under Biological Sciences and Geosciences in this handbook. BIOL3006 Ecological Methods; BIOL3007 Ecology; BIOL3008 Marine Field Ecology; BIOL3011 Ecophysiology; BIOL3013 Marine Biology; GEOS3003 Dynamics of Continents and Basins; GEOS3009 Coastal Environments and Processes; GEOS3014 GIS in Coastal Management; GEOS3016 Seafloor Processes and Imaging; GEOS3017 Global Energy Exploration and Exploitation; GEOS3018 Rivers: Science, Policy and Management; (Plus Advanced versions of the above - BIOL39XX, GEOS39XX).

Marine Sciences Honours

The structure of Honours in Marine Science (including in Tropical Marine Science for interested students in the Bachelor of Science (Marine Science)) will be about one third formal coursework, seminars and reading, and about two thirds devoted to preparation of a thesis on a topic with a clear marine or estuarine orientation. The formal coursework may comprise units of study mainly chosen from existing Honours options offered in the Department of the student's principal interest. Background study in a subsidiary field of interest may be required. Students may commence Honours in either semester 1 or semester 2.

Admission to Honours

In general, a Credit average or better in Senior Marine Sciences units of study and at least a Pass in another Senior unit of study are required for entry. Arrangements for the supervision and Department of primary location of students will be made in the light of their proposed thesis topic. Joint supervision involving staff of more than one Department may be arranged if a thesis topic is deemed to be transdisciplinary. Upon acceptance, students should register formally with the Undergraduate Advisor of USIMS.

Tropical Marine Network Program

Students enrolled in the BSc (Marine Science) are eligible to enrol in units of study offered as part of the Tropical Marine Network Program. This is a joint program of the University of Sydney, the University of Queensland and James Cook University, which offers four units of study in tropical marine science, all taught at marine island research stations off the Queensland coast.

Stations used

The following stations will be used: Lizard Island (Australian Museum field station, north of Cairns); Orpheus Island (James Cook University field station, off Townsville); Heron Island (University of Queensland field station, off Gladstone); One Tree Island (University of Sydney field station, off Gladstone); North Stradbroke Island (University of Queensland field station, off Brisbane)

Teaching and assessment

The four units of study, each worth 6 credit points, are conducted as field schools offered only during the Easter (Semester 1 mid-semester) break and the July mid-year break. Each field school will run for approximately 10 days. Assessment will be based on participation and reports completed during the field school, and an assignment to be completed following the field school. The Coral Reef Ecosystems unit and the Coastal Management unit will be offered each year, together with one of the other two units. Students may enrol in these units in academic year 2 and year 3 as part of the BSc (Marine Science). Students enrolling in these units of study will be selected from the three participating Universities, as well as some overseas Study Abroad students. Preference will however be given to students enrolled in the program at the three participating universities.

Quotas on numbers of students enrolling in NTMP units

Owing to the size of facilities and accommodation at the island research stations all units will have a quota with entry based on merit. There are no Advanced versions of these units. For further information on the availability and timing of these units please refer to the website: www.usyd.edu.au/marine.

NTMP3001**Coral Reef Ecosystems**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Maria Byrne **Session:** S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906) **Assumed knowledge:** General concepts in Biology **Assessment:** Participation in field work and submission of a report.

Note: Department permission required for enrolment.

Note: These units are only available to BSc (Marine Science) students.

Coral Reef Ecosystems is an intensive unit that will be held at either the Heron Island or One Tree Island Tropical Research Stations on the Great Barrier Reef. The unit focuses on the dominant taxa in reef environments and linkages between them. Emphasis is given to corals, other reef associated invertebrates (eg. echinoderms and plankton) and fishes. Ecological and physiological aspects of key organisms are explored. Aspects covered include: distribution of corals; coral bleaching; coral symbionts and the health of the corals based on photosynthetic activity; predation on corals; the input of plankton to reefs; and, the role of fishes and invertebrates in reef environments.

NTMP3003**Fisheries Biology and Management**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Maria Byrne
Session: S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906) **Assumed knowledge:** General concepts in Biology. **Assessment:** Participation in field work and submission of a report

Note: Department permission required for enrolment .

Note: These units are only available to BSc (Marine Science) students.

Fisheries Biology and Management is an intensive unit that will be held at the tropical research station on Orpheus Island in the Great Barrier Reef. The unit focuses on approaches to quantitative fisheries biology in tropical marine environments. Emphasis is given to sampling design and hypothesis testing, underwater visual census surveys, fishery surveys, assessments of habitat types, and tagging and trapping of organisms. Most field aspects will be covered while diving and data storage will be dealt with at the end of each day. The assessment will focus on the manipulation of data and reporting.

NTMP3004**Aquaculture**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Maria Byrne
Session: S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906) **Assumed knowledge:** General concepts in Biology. **Assessment:** Assignments and report.

Note: Department permission required for enrolment .

Note: These units are only available to BSc (Marine Science) students.

Aquaculture is an intensive unit that will be held at the tropical research station on Orpheus Island in the Great Barrier Reef. The unit focuses on approaches to aquaculture in tropical marine environments. Emphasis is given to aquaculture of tropical invertebrates (especially bivalves and clams) and fishes. Some aspects of the unit may also be done using the aquarium system on campus at James Cook University. Aspects covered include: the design of aquarium facilities; water quality; rearing of algae; rearing of planktonic food; stocking densities; and, growth and genetics of the target species.

NTMP3005**Coastal Management**

Credit points: 6 **Teacher/Coordinator:** Professor Andrew Short **Session:** S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906) **Assumed knowledge:** General concepts in Biology. **Assessment:** Assignment and report.

Note: Department permission required for enrolment .

Note: These units are only available to BSc (Marine Science) students.

This unit 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 unit that will be held at the Moreton Bay Research Station.

Mathematics and Statistics

The School of Mathematics and Statistics offers units of study in Applied Mathematics, Mathematical Statistics and Pure Mathematics. The Junior units of study cover a range of topics in mathematics and statistics and are offered at four levels, viz. Introductory, Life Sciences, Normal and Advanced, to suit various levels of previous knowledge. Intermediate, Senior and Honours units of study are mostly provided within one of the subject areas of Applied Mathematics, Mathematical Statistics and Pure Mathematics.

Applied Mathematics

Applied Mathematics is concerned with the development of mathematical and computing methods and their application in particular contexts which may arise in the natural sciences, engineering, economics or the social sciences. Units of study are designed to give

training to students who will specialise in other subjects, and also for training applied mathematicians. While mathematical rigour is not neglected, particular emphasis is given to questions such as the treatment of observational models which are relevant to particular contexts.

Mathematical Statistics

Mathematical Statistics is concerned with the theory of probability and the mathematical methods of statistics applied to such problems as statistical inference, the design of experiments and sample surveys, and all problems of data analysis. The major units of study are designed to train those who wish to become professional statisticians, tertiary teachers and research workers, but there are units of study which provide a knowledge of statistical methods and techniques for students specialising in other fields.

Pure Mathematics

Pure Mathematics units of study have two main aims. One of these is to equip students with the background of mathematical knowledge, understanding and skill necessary for units of study in many branches of science. The other is the provision of training in pure mathematics necessary for those who wish to make a career in mathematics. This might be either in teaching or research or in one of the many avenues where highly developed mathematical ability and a thorough knowledge of modern mathematical techniques are required, such as computing, operations research, management, finance and economics. Website: Further information about all units of study is available at www.maths.usyd.edu.au/Teaching.html

Summer School

This School offers some units of study in The Sydney Summer School (January-February). Consult The Sydney Summer School website for more information: www.summer.usyd.edu.au/

Mathematics Junior units of study

Various combinations of Junior units of study may be taken, subject to the prerequisites listed. Often specific Junior units of study are prerequisites for Mathematics and Statistics units in the Intermediate and Senior years. Before deciding on a particular combination of Junior units of study, students are advised to check carefully the prerequisites relating to Mathematics for all units of study.

Junior introductory unit of study

Students who have not studied a calculus course at high school may enrol in the Introductory Calculus 6-credit point unit.

MATH1111**Introduction to Calculus**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and two 1 hour tutorials per week. **Prohibitions:** MATH1001, MATH1901, MATH1011, MATH1906 **Assumed knowledge:** At least Year 10 Mathematics **Assessment:** One 2 hour exam, assignments, quizzes

Note: Department permission required for enrolment .

Note: Students with HSC Mathematics/Extension 1/Extension 2 (or equivalent) are prohibited.

This unit is an introduction to the calculus of one and two variables. Topics covered include elementary functions, differentiation, basic integration techniques and partial derivatives. Applications in science and engineering are emphasised.

Textbooks

Calculus: Single and Multivariable. Hughes-Hallett, Gleason, McCallum, et al. Wiley

Junior Life Sciences units of study

Life Sciences units of study are designed to provide students with an overview of the necessary mathematical and statistical background for studies in the Life Sciences. They are provided for students in the Faculty of Science whose major interest lies outside mathematics. There are more details in the Junior Mathematics Handbook, available from the School at the time of enrolment.

Assumed knowledge

Knowledge equivalent to the HSC 2-unit Mathematics course is assumed. Students who do not have this knowledge are strongly advised to attend a bridging course conducted jointly by the School and the Mathematics Learning Centre in February.

Relationship of Life Sciences units to other units of study and recommendations

The four Life Science units of study together give 12 credit points of mathematics, which is the minimum required by the BSc degree regulations. Students obtaining a Distinction in MATH1011 are encouraged to enrol in normal units of study in subsequent semesters. Students obtaining a Distinction or better in MATH1011, 1012 or 1013 may proceed to Intermediate units of study in the Mathematics Discipline Area. Students with a Credit or better in MATH1011 and a Pass or better in MATH1015 may proceed to Intermediate units of study in the Statistics discipline area. Students with a Pass in only MATH1015 are limited to the Intermediate Statistics units of study STAT2011 and STAT2012.

MATH1011

Life Sciences Calculus

Credit points: 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1111, MATH1001, MATH1901, MATH1906 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes.

This unit is designed to provide calculus for students of the life sciences who do not intend to undertake higher year mathematics and statistics. It includes the fitting of data to various functions, introduces finite difference methods, and it demonstrates the use of calculus in optimisation problems. It extends differential calculus to functions of two variables and develops integral calculus, including the definite integral and multiple integrals.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1013

Differential and Difference Equations

Credit points: 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1003, MATH1903, MATH1907 **Assumed knowledge:** HSC Mathematics or MATH1111 **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1013 is designed to provide the theory of difference and differential equations for students of the life sciences who do not intend to undertake higher year mathematics and statistics. This unit of study looks at the solution of equations by bisection and iteration, first and second order difference equations where chaos is met, and examples of modelling using simple first and second order differential equations.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1014

Introduction to Linear Algebra

Credit points: 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1012, MATH1002, MATH1902 **Assumed knowledge:** HSC Mathematics or MATH1111 **Assessment:** One 1.5 hour exam, assignments, quizzes

This unit is an introduction to Linear Algebra. Topics covered include vectors, systems of linear equations, matrices, eigenvalues and eigenvectors. Applications in life and technological sciences are emphasised.

Textbooks

Linear Algebra: A Modern Introduction, David Poole, Thompson Brook/Cole

MATH1015

Life Science Statistics

Credit points: 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1005, MATH1905, STAT1021, STAT1022, ECMT Junior units of study. **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1015 is designed to provide a thorough preparation in statistics for students of the Life Sciences. It offers a comprehensive introduction to data analysis, probability and sampling, inference including t-tests, confidence intervals and chi-squared goodness of fit tests. There are comprehensive details of this unit of study in the Junior Mathematics Handbook distributed at the time of enrolment.

Textbooks

As set out in the Junior Mathematics Handbook

Mathematics and Statistics Normal units of study

Normal units of study are designed for students who have both the necessary background and the interest in mathematics and who need to study mathematics beyond Junior units of study in order to satisfy their own aspirations or degree requirements. There are more details of these units of study in the Junior Mathematics Handbook, available from the School at the time of enrolment.

Assumed knowledge

For the units MATH1001, MATH1002 and MATH1004, knowledge equivalent to the HSC Mathematics Extension 1 course is assumed. The assumed knowledge for MATH1005 is HSC 2-unit Mathematics. For MATH1003 the assumed knowledge is MATH1001 or HSC Mathematics Extension 2.

Relation to other units of study and recommendations

Students should take at least two units of study in each semester in order to meet the minimum requirement of 12 credit points of Mathematics in the BSc award course. The usual enrolment for Normal level students is in the three units MATH1001, MATH1002, MATH1003 and (at least) one of MATH1004 and MATH1005. Passes in Junior units of study at this level qualify students to proceed to Intermediate units of study in Mathematics and Statistics. Students should note however that some Intermediate units of study in both Mathematics and Statistics require specific Junior units of study to be passed as prerequisites. Students obtaining a Credit or better in Normal units of study may enrol in other Advanced units of study.

MATH1001

Differential Calculus

Credit points: 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1011, MATH1901, MATH1906, MATH1111 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1001 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study looks at complex numbers, functions of a single variable, limits and continuity, vector functions and functions of two variables. Differential calculus is extended to functions of two variables. Taylor's theorem as a higher order mean value theorem.

Textbooks

As set out in the Junior Mathematics Handbook.

MATH1002

Linear Algebra

Credit points: 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1902, MATH1012, MATH1014 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1002 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study introduces vectors and vector algebra, linear algebra including solutions of linear systems, matrices, determinants, eigenvalues and eigenvectors.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1003**Integral Calculus and Modelling**

Credit points: 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1013, MATH1903, MATH1907 **Assumed knowledge:** HSC Mathematics Extension 2 or MATH1001 or MATH1111 **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1003 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study first develops the idea of the definite integral from Riemann sums, leading to the Fundamental Theorem of Calculus. Various forms of integration are considered, such as integration by parts. The second part is an introduction to the use of first and second order differential equations to model a variety of scientific phenomena.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1004**Discrete Mathematics**

Credit points: 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1904, MATH2011 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1004 is designed to provide a thorough preparation for further study in Mathematics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit provides an introduction to fundamental aspects of discrete mathematics, which deals with 'things that come in chunks that can be counted'. It focuses on the enumeration of a set of numbers, viz. Catalan numbers. Topics include sets and functions, counting principles, Boolean expressions, mathematical induction, generating functions and linear recurrence relations, graphs and trees.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1005**Statistics**

Credit points: 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1905, MATH1015, ECMT Junior units of study, STAT1021, STAT1022 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1005 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit offers a comprehensive introduction to data analysis, probability, sampling, and inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

Textbooks

As set out in the Junior Mathematics Handbook

Mathematics & Statistics Junior Advanced units of study

Advanced units of study are designed for students who have a strong background and a keen interest in mathematics and who need to study mathematics at a higher level to satisfy their own aspirations or degree requirements. All students aiming for high achievement, such as an Honours degree or postgraduate study, are advised to enrol in Advanced units of study.

Content

The unit of study content is similar in outline to that of the Normal units of study above but proceeds more deeply and at a faster rate, covers more difficult material and requires more mathematical sophistication. There are more details of these units of study in the Junior Mathematics Unit of Study Handbook, available from the School at the time of enrolment.

Assumed knowledge

Knowledge equivalent to the HSC Mathematics Extension 2 course is assumed. Students who have a very good result in the equivalent of the HSC Mathematics Extension 1 course may enrol in these units of study but should discuss their plans with a Mathematics adviser.

Relation to other units of study and recommendations

Students should take two units of study in each semester in order to meet the minimum requirement of 12 credit points of Mathematics in the BSc award course. The usual enrolment for Advanced level students is in the units MATH1901, MATH1902, MATH1903 and (at least) one of the units MATH1904 and MATH1905. Passes in Junior units of study at this level qualify students to proceed to Intermediate units of study in Mathematics and Statistics at the Advanced level. It should be noted that some Intermediate and Senior units of study in both Mathematics and Statistics require specific Junior units of study as prerequisites. Students who are awarded at least a Credit grade in this level are encouraged to proceed to Intermediate units of study in Mathematics and Statistics at the Advanced level.

MATH1901**Differential Calculus (Advanced)**

Credit points: 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1111, MATH1011, MATH1001, MATH1906 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes.

Note: Department permission required for enrolment.

This unit is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. It parallels the normal unit MATH1001 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1902**Linear Algebra (Advanced)**

Credit points: 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1002, MATH1012, MATH1014 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes.

Note: Department permission required for enrolment.

This unit is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. It parallels the normal unit MATH1002 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1903**Integral Calculus and Modelling Advanced**

Credit points: 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1003, MATH1013, MATH1907 **Assumed knowledge:** HSC Mathematics Extension 2 or Credit or better in MATH1001 or MATH1901 **Assessment:** One 1.5 hour examination, assignments and quizzes.

Note: Department permission required for enrolment.

MATH1903 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study parallels the normal unit MATH1003 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1904**Discrete Mathematics (Advanced)**

Credit points: 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1004, MATH2011 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes.

Note: Department permission required for enrolment.

This unit is designed to provide a thorough preparation for further study in mathematics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. It parallels the normal unit MATH1004 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1905**Statistics (Advanced)**

Credit points: 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1005, MATH1015, ECMT Junior units of study, STAT1021, STAT1022 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes.

Note: Department permission required for enrolment.

This unit is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This Advanced level unit of study parallels the normal unit MATH1005 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH1906**Mathematics (Special Studies Program) A**

Credit points: 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 1 hour seminar and one 1 hour tutorial per week. **Prerequisites:** UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation **Prohibitions:** MATH1111, MATH1001, MATH1011, MATH1901 **Assessment:** One 1.5 hour exam, assignments, classwork.

Note: Department permission required for enrolment.

This is an Advanced unit of study. Entry to Mathematics (Special Studies Program) A is restricted to students with a UAI of 98.5 and an excellent school record in Mathematics. Students will cover the material in MATH1901 Differential Calculus (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

MATH1907**Mathematics (Special Studies Program) B**

Credit points: 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour seminar and one 1 hour tutorial per week. **Prerequisites:** Distinction in MATH1906; by invitation **Prohibitions:** MATH1003, MATH1013, MATH1903 **Assessment:** One 1.5 hour exam, assignments, classwork.

Note: Department permission required for enrolment.

This is an Advanced unit of study. Entry to Mathematics (Special Studies Program) B is normally restricted to students with a Distinction in MATH1906. Students will cover the material in MATH1903 Integral Calculus and Modelling (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

Mathematics Intermediate units of study

The School of Mathematics provides a range of Intermediate units of study, each worth 6 credit points covering a variety of topics in Pure and Applied Mathematics. A normal Intermediate load in a discipline is 12 credit points and this is the minimum that should be undertaken by anyone intending to specialise in Senior Mathematics. The units of study are taught at either the Normal or the Advanced level. Entry to an Advanced unit of study usually requires a Credit or better in a Normal level prerequisite or a Pass in an Advanced level prerequisite.

For ease of overview the units of study are arranged under Pure, for students wishing to specialise in Pure Mathematics, and Applied, for those wishing to specialise in Applied Mathematics. Several units of study are suitable for either. Details of each unit of study appear below whilst full details of unit of study structure, content and examination procedures are provided in the Second Year Mathematics Handbook available from the School at the time of enrolment.

Pure units of study (each 6 credit points)

Algebra (Adv) MATH2968; Discrete Maths & Graph Theory MATH2069; Discrete Maths & Graph Theory (Adv) MATH2969; Linear Mathematics & Vector Calculus MATH2061; Linear Mathematics & Vector Calculus (Adv) MATH2961; Number Theory and Cryptography MATH2068; Real and Complex Analysis (Adv) MATH2962

Applied units of study (each 6 credit points)

Introduction to Partial Differential Equations MATH2065; Introduction to Partial Differential Equations (Adv) MATH2965; Linear Mathematics & Vector Calculus MATH2061; Linear Mathematics & Vector Calculus (Adv) MATH2961; Mathematical Computing & Nonlinear Systems MATH2063; Mathematical Computing & Nonlinear Systems (Adv) MATH2963; Optimisation & Financial Mathematics MATH2070; Optimisation & Financial Mathematics (Adv) MATH 2970

Relation to other units of study and recommendations

In general, 2 units of study (12 credit points) of Intermediate mathematics are needed to progress to a Senior Mathematics unit of study. If your major interest is in mathematics, then you are strongly encouraged to enrol in at least 3 units of study in Intermediate Mathematics. If you are considering doing Honours in mathematics, they should include some Advanced units of study. Students intending to specialise in Applied Mathematics are encouraged to include MATH2061 or 2961, and MATH2065 or 2965. Students intending to specialise in Pure Mathematics should include MATH2061 or 2961. Students considering Honours in Pure Mathematics should also take MATH2962 and MATH2968. Computer Science students may like to include MATH2069 or 2969 among their choices. Physics students would be well-advised to choose MATH2061 or 2961, and MATH2065 or 2965. Prospective teachers of mathematics should consider MATH2061 and 2068.

MATH2916**Working Seminar A (SSP)**

Credit points: 3 **Session:** Semester 1 **Classes:** One 1 hour seminar per week. **Prerequisites:** By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics **Assessment:** One 1 hour presentation, 15-20 page essay.

Note: Department permission required for enrolment.

The main aim of this unit is to develop the students' written and oral presentation skills. The material will consist of a series of connected topics relevant to modern mathematics and statistics. The topics are chosen to suit the students' background and interests, and are not covered by other mathematics or statistics units. The first session will be an introduction on the principles of written and oral presentation of mathematics. Under the supervision and advice of the lecturer(s) in charge, the students present the topics to the other students and the lecturer in a seminar series and a written essay in a manner that reflects the practice of research in mathematics and statistics.

MATH2917**Working Seminar B (SSP)**

Credit points: 3 **Session:** Semester 2 **Classes:** One 1 hour seminar per week. **Prerequisites:** By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics **Assessment:** One 1 hour presentation, 15-20 page essay.

Note: Department permission required for enrolment.

The main aim of this unit is to develop the students' written and oral presentation skills. The material will consist of a series of connected topics relevant to modern mathematics and statistics. The topics are chosen to suit the students' background and interests, and are not covered by other mathematics or statistics units. The first session will be an introduction on the principles of written and oral presentation

of mathematics. Under the supervision and advice of the lecturer(s) in charge, the students present the topics to the other students and the lecturer in a seminar series and a written essay in a manner that reflects the practice of research in mathematics and statistics.

MATH2061

Linear Mathematics and Vector Calculus

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** MATH (1111 or 1001 or 1901 or 1906) and MATH (1014 or 1002 or 1902) and MATH (1003 or 1903 or 1907) **Prohibitions:** MATH2001, MATH2901, MATH2002, MATH2902, MATH2961, MATH2067 **Assessment:** Two 1.5 hour exams, assignments, quizzes

This unit starts with an investigation of linearity: linear functions, general principles relating to the solution sets of homogeneous and inhomogeneous linear equations (including differential equations), linear independence and the dimension of a linear space. The study of eigenvalues and eigenvectors, begun in junior level linear algebra, is extended and developed. Linear operators on two-dimensional real space are investigated, paying particular attention to the geometrical significance of eigenvalues and eigenvectors. The unit then moves on to topics from vector calculus, including vector-valued functions (parametrised curves and surfaces; vector fields; div, grad and curl; gradient fields and potential functions), line integrals (arc length; work; path-independent integrals and conservative fields; flux across a curve), iterated integrals (double and triple integrals; polar, cylindrical and spherical coordinates; areas, volumes and mass; Green's Theorem), flux integrals (flow through a surface; flux integrals through a surface defined by a function of two variables, though cylinders, spheres and parametrised surfaces), Gauss' Divergence Theorem and Stokes' Theorem.

MATH2961

Linear Mathematics & Vector Calculus Adv

Credit points: 6 **Session:** Semester 1 **Classes:** Four 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) **Prohibitions:** MATH2001, MATH2901, MATH2002, MATH2902, MATH2061, MATH2067 **Assessment:** 2 hour exam, assignments

This unit is an advanced version of MATH2061, with more emphasis on the underlying concepts and on mathematical rigour. Topics from linear algebra focus on the theory of vector spaces and linear transformations. The connection between matrices and linear transformations is studied in detail. Determinants, introduced in first year, are revised and investigated further, as are eigenvalues and eigenvectors. The calculus component of the unit includes local maxima and minima, Lagrange multipliers, the inverse function theorem and Jacobians. There is an informal treatment of multiple integrals: double integrals, change of variables, triple integrals, line and surface integrals, Green's theorem and Stokes' theorem.

MATH2962

Real and Complex Analysis (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) **Prohibitions:** MATH2007, MATH2907 **Assessment:** 2 hour exam, assignments

Analysis is one of the fundamental topics underlying much of mathematics including differential equations, dynamical systems, differential geometry, topology and Fourier analysis. Starting off with an axiomatic description of the real number system, this first course in analysis concentrates on the limiting behaviour of infinite sequences and series on the real line and the complex plane. These concepts are then applied to sequences and series of functions, looking at point-wise and uniform convergence. Particular attention is given to power series leading into the theory of analytic functions and complex analysis. Topics in complex analysis include elementary functions on the complex plane, the Cauchy integral theorem, Cauchy integral formula, residues and related topics with applications to real integrals.

MATH2063

Math Computing and Nonlinear Systems

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures in common with MATH2963). **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) **Prohibitions:** MATH2003, MATH2903, MATH2006, MATH2906, MATH2963 **Assessment:** 2 hour exam, assignments, quizzes

This unit will introduce students to techniques of mathematical computation as applied to nonlinear systems, using the numerical programming language MATLAB and, where appropriate, computer algebra. This knowledge will be applied to a number of modelling problems, particularly those involving nonlinear mappings and nonlinear ordinary differential equations (ODEs). Throughout the unit of study the essential nonlinear theory will be developed, and the resulting ideas will be explored computationally. This will allow us to explore the modern concepts of chaos using a variety of examples, including the logistic map, the Henon map and the Lorenz equations. No prior knowledge of programming or of the MATLAB language or computer algebra is required.

MATH2963

Math Computing & Nonlinear Systems (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures in common with MATH2063). **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) **Prohibitions:** MATH2003, MATH2903, MATH2006, MATH2906, MATH2063 **Assessment:** 2 hour exam, assignments/quizzes

The content of this unit of study parallels that of MATH2063, but both computational and theory components will place more emphasis on Advanced topics, including Lyapunov exponents, stability, 2- and 3-cycles for mappings and concepts such as strange attractors. No prior knowledge of programming or of the MATLAB language or computer algebra is required.

MATH2065

Partial Differential Equations (Intro)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial, one 1 hour example class per week. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) **Prohibitions:** MATH2005, MATH2905, MATH2965, MATH2067 **Assessment:** 2 hour exam, mid-semester test, assignments

This is an introductory course in the analytical solutions of PDEs (partial differential equations) and boundary value problems. The techniques covered include separation of variables, Fourier series, Fourier transforms and Laplace transforms.

MATH2965

Partial Differential Equations Intro Adv

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures in common with MATH2065). **Prerequisites:** MATH (2961 or Credit in 2061) or {MATH (2901 or Credit in 2001) and MATH (2902 or Credit in 2002)} **Prohibitions:** MATH2005, MATH 2905, MATH2065, MATH2067 **Assessment:** 2 hour exam, assignments

This unit of study is essentially an Advanced version of MATH2065, the emphasis being on solutions of differential equations in applied mathematics. The theory of ordinary differential equations is developed for second order linear equations, including series solutions, special functions and Laplace transforms. Some use is made of computer programs such as Mathematica. Methods for PDEs (partial differential equations) and boundary-value problems include separation of variables, Fourier series and Fourier transforms.

MATH2068

Number Theory and Cryptography

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** 9 credit points of Junior level Mathematics including MATH (1002 or 1902) **Prohibitions:** MATH3024, MATH3009 **Assessment:** 2 hour exam, assignments, quizzes

Cryptography is the branch of mathematics that provides the techniques for confidential exchange and authentication of information sent over public networks. This unit introduces tools from elementary number theory, then applies them to the analysis of block ciphers and stream ciphers, as the foundation for modern public key cryptography.

MATH2968 Algebra (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002) **Prohibitions:** MATH2908, MATH2918, MATH2008 **Assessment:** 2 hour exam, assignments

This unit provides an introduction to modern abstract algebra, via linear algebra and group theory. It starts with a revision of linear algebra concepts from Junior Mathematics and MATH2961, and proceeds with a detailed investigation of inner product spaces over the real and complex fields. Applications here include least squares lines and curves of best fit, and approximation of continuous functions by finite Fourier series. Further topics in linear algebra covered in this unit include dual space, quotient spaces and (if time permits) possibly tensor products. The second part of the unit is concerned with introductory group theory, motivated by examples of matrix groups and permutation groups. Topics include actions of groups on sets, including linear actions on vector spaces. Subgroups, homomorphisms and quotient groups are investigated, and the First Isomorphism Theorem is proved.

MATH2069 Discrete Mathematics and Graph Theory

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** 6 credit points of Junior level Mathematics **Prohibitions:** MATH2011, MATH2009, MATH2969 **Assessment:** Two 1.5 hour exams, assignments, quizzes

This unit introduces students to several related areas of discrete mathematics, which serve their interests for further study in pure and applied mathematics, computer science and engineering. Topics to be covered in the first part of the unit include recursion and induction, generating functions and recurrences, combinatorics, including connections with probability theory, asymptotics and analysis of algorithms, set theory and logic. Topics covered in the second part of the unit include Eulerian and Hamiltonian graphs, the theory of trees (used in the study of data structures), planar graphs, the study of chromatic polynomials (important in scheduling problems), maximal flows in networks, matching theory.

MATH2969 Discrete Mathematics & Graph Theory Adv

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at the normal level) **Prohibitions:** MATH2011, MATH2009, MATH2069 **Assessment:** Two 1.5 hour exams, assignments, quizzes

This unit will cover the same material as MATH2069 with some extensions and additional topics.

MATH2070 Optimisation and Financial Mathematics

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) **Prohibitions:** MATH2010, MATH2033, MATH2933, MATH2970, ECMT3510 **Assumed knowledge:** MATH (1003 or 1903 or 1907) **Assessment:** One 2 hour exam, assignments, quiz, project

Note: Students may enrol in both MATH2070 and MATH3075 in the same semester

Problems in industry and commerce often involve maximising profits or minimising costs subject to constraints arising from resource limitations. The first part of this unit looks at the important class of linear optimisation programming problems and their solution using the simplex algorithm. The second part of the unit deals with utility theory and modern portfolio theory. Topics covered include: pricing

under the principles of expected return and expected utility; mean-variance Markowitz portfolio theory, the Capital Asset Pricing Model, log-optimal portfolios and the Kelly criterion; dynamical programming. Some understanding of probability theory including distributions and expectations is required in this part. Theory developed in lectures will be complemented by computer laboratory sessions using MATLAB. Minimal computing experience will be required.

MATH2970 Optimisation & Financial Mathematics Adv

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures given in common with MATH2070). **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) **Prohibitions:** MATH2010, MATH2033, MATH2933, MATH2070 **Assumed knowledge:** MATH (1903 or 1907) or Credit in MATH1003 **Assessment:** One 2 hour exam, assignments, quizzes

Note: Students may enrol in both MATH2970 and MATH3975 in the same semester

The content of this unit of study parallels that of MATH2070, but students enrolled at Advanced level will undertake more advanced problem solving and assessment tasks, and some additional topics may be included.

Mathematics Senior units of study

The School of Mathematics and Statistics provides a range of senior units of study in the Science Subject Area MATH. (The separate Science Subject Area STAT is dealt with in the next section.) Each unit of study is worth 6 credit points; students wishing to obtain a major in mathematics must therefore take at least 4 units of senior mathematics, while those wishing to obtain a double major must take 8. To proceed to honours in either Applied Mathematics or Pure Mathematics, students must have a major in mathematics. Honours entry is further restricted to students attaining a sufficiently high average mark in their senior year. Students interested in doing honours should consult the School to find out the precise details, and obtain advice on an appropriate senior year program. As well as majors in Mathematics and Statistics, the School offers a major in Financial Mathematics and Statistics. The precise requirements for this major can be found in Table 1. Alternatively, consult the School directly.

Normal and Advance

Each unit of study is designated either as "Normal" or "Advanced". Advanced units have more stringent prerequisites than normal units, and are significantly more demanding. Although the precise requirements vary from unit to unit, it is generally inadvisable for a student who has not achieved a Credit average in intermediate level mathematics to attempt an advanced senior mathematics unit.

Semester 1

MATH3063 Differential Equations and Biomaths; MATH3065 Logic and Foundations; MATH3068 Analysis; MATH3076 Mathematical Computing; MATH3961 Metric Spaces (Advanced); MATH3962 Rings, Fields and Galois Theory (Adv); MATH3963 Differential Equations and Biomaths (Adv); MATH3974 Fluid Dynamics (Advanced); MATH3976 Mathematical Computing (Advanced)

Semester 2

MATH3061 Geometry and Topology; MATH3062 Algebra and Number Theory; MATH3067 Information and Coding Theory; MATH3075 Financial Mathematics; MATH3078 PDEs and Waves; MATH3964 Complex Analysis with Applications (Adv); MATH3966 Modules and Group Representations (Adv); MATH3968 Differential Geometry (Adv); MATH3969 Measure Theory & Fourier Analysis (Adv); MATH3975 Financial Mathematics (Advanced); MATH3977 Lagrangian & Hamiltonian Dynamics (Adv); MATH3978 PDEs and Waves (Advanced)

Relation to other units of study and recommendations

In general, 4 units of study (24 credit points) are required in order to major in Mathematics and a credit average is required to progress to an Honours year. Potential Honours students are strongly encouraged to include one or more Advanced level unit(s) of study and seek advice

from a Senior year coordinator. Particular combinations would be suitable for students with special interests.

Computer Science students

MATH3065, MATH3962, MATH3076/3976, MATH3062, MATH3067, MATH3966, MATH3061, MATH3075/3975.

Engineering (BSc/BE) students

MATH3961, MATH3068, MATH3063/3963, MATH3065, MATH3974, MATH3076/3976, MATH3969, MATH3078/3978, MATH3966, MATH3067, MATH3977, MATH3964, MATH3075/3975.

Physics or Chemistry students

MATH3061/3961, MATH3068, MATH3962, MATH3063/3963, MATH3065, MATH3974, MATH3076/3976, MATH3969, MATH3966, MATH3968, MATH3078/3978, MATH3964, MATH3977, 3075/3975, MATH3067.

Prospective teachers of Mathematics

MATH3065, MATH3068, MATH3063/3963, MATH3962, MATH3961, MATH3076/3976, MATH3067, MATH3062, MATH3061, MATH3078/3978.

MATH3061

Geometry and Topology

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3001, MATH3006 **Assessment:** One 2 hour exam, tutorial tests, assignments.

The aim of the unit is to expand visual/geometric ways of thinking. The geometry section is concerned mainly with transformations of the Euclidean plane (that is, bijections from the plane to itself), with a focus on the study of isometries (proving the classification theorem for transformations which preserve distances between points), symmetries (including the classification of frieze groups) and affine transformations (transformations which map lines to lines). The basic approach is via vectors and matrices, emphasizing the interplay between geometry and linear algebra. The study of affine transformations is then extended to the study of collineations in the real projective plane, including collineations which map conics to conics. The topology section considers graphs, surfaces and knots from a combinatorial point of view. Key ideas such as homeomorphism, subdivision, cutting and pasting and the Euler invariant are introduced first for graphs (1-dimensional objects) and then for triangulated surfaces (2-dimensional objects). The classification of surfaces is given in several equivalent forms. The problem of colouring maps on surfaces is interpreted via graphs. The main geometric fact about knots is that every knot bounds a surface in 3-space. This is proven by a simple direct construction, and this fact is used to show that every knot is a sum of prime knots.

MATH3961

Metric Spaces (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics units **Prohibitions:** MATH3901, MATH3001 **Assumed knowledge:** MATH2961 or MATH2962 **Assessment:** 2 hour exam, assignments, quizzes

Topology, developed at the end of the 19th Century to investigate the subtle interaction of analysis and geometry, is now one of the basic disciplines of mathematics. A working knowledge of the language and concepts of topology is essential in fields as diverse as algebraic number theory and non-linear analysis. This unit develops the basic ideas of topology using the example of metric spaces to illustrate and motivate the general theory. Topics covered include: Metric spaces, convergence, completeness and the contraction mapping theorem; Metric topology, open and closed subsets; Topological spaces, subspaces, product spaces; Continuous mappings and homeomorphisms; Compact spaces; Connected spaces; Hausdorff spaces and normal spaces, Applications include the implicit function theorem, chaotic dynamical systems and an introduction to Hilbert spaces and abstract Fourier series.

MATH3062

Algebra and Number Theory

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3962, MATH3902, MATH3002, MATH3009 **Assessment:** One 2 hour exam, quizzes and assignments

Note: Students are advised to take MATH(2068 or 2968) before attempting this unit.

The first half of the unit continues the study of elementary number theory, with an emphasis on the solution of Diophantine equations (for example, finding all integer squares which are one more than twice a square). Topics include the Law of Quadratic Reciprocity, representing an integer as the sum of two squares, and continued fractions. The second half of the unit introduces the abstract algebraic concepts which arise naturally in this context: rings, fields, irreducibles, and unique factorization. Polynomial rings, algebraic numbers, and constructible numbers are also discussed.

Textbooks

R.F.C. Walters, 'Number Theory: an Introduction', Carslaw Publications.
I. Niven, H.S. Zuckerman, H.L. Montgomery, 'An Introduction to the Theory of Numbers', Wiley.
I.N. Herstein, 'Topics in Algebra', Blaisdell.
L.N. Childs, 'A Concrete Introduction to Higher Algebra', Springer.

MATH3962

Rings, Fields and Galois Theory (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3062, MATH3902, MATH3002 **Assumed knowledge:** MATH2961 **Assessment:** One 2 hour exam, assignments and quizzes

Note: Students are advised to take MATH2968 before attempting this unit.

This unit of study investigates the modern mathematical theory that was originally developed for the purpose of studying polynomial equations. The philosophy is that it should be possible to factorize any polynomial into a product of linear factors by working over a "large enough" field (such as the field of all complex numbers). Viewed like this, the problem of solving polynomial equations leads naturally to the problem of understanding extensions of fields. This in turn leads into the area of mathematics known as Galois theory. The basic theoretical tool needed for this program is the concept of a ring, which generalizes the concept of a field. The course begins with examples of rings, and associated concepts such as subrings, ring homomorphisms, ideals and quotient rings. These tools are then applied to study quotient rings of polynomial rings. The final part of the course deals with the basics of Galois theory, which gives a way of understanding field extensions.

Textbooks

I.H. Herstein, Abstract algebra, second edition, MacMillan, 1990.
S. Lang Algebra, third edition, Springer-Verlag, Graduate texts in Mathematics, 2002.
I.N. Stewart, Galois Theory, Chapman and Hall, 1973.

MATH3063

Differential Equations & Biomaths

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3020, MATH3920, MATH3003, MATH3923, MATH3963 **Assumed knowledge:** MATH2061 **Assessment:** One 2 hour exam, assignments, quizzes

This unit of study is an introduction to the theory of systems of ordinary differential equations. Such systems model many types of phenomena in engineering, biology and the physical sciences. The emphasis will not be on finding explicit solutions, but instead on the qualitative features of these systems, such as stability, instability and oscillatory behaviour. The aim is to develop a good geometrical intuition into the behaviour of solutions to such systems. Some background in linear algebra, and familiarity with concepts such as limits and continuity, will be assumed. The applications in this unit will be drawn from predator-prey systems, transmission of diseases, chemical reactions, beating of the heart and other equations and systems from mathematical biology.

MATH3963**Differential Equations & Biomaths (Adv)**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3020, MATH3920, MATH3003, MATH3923, MATH3063 **Assumed knowledge:** MATH2961 **Assessment:** One 2 hour exam, assignments, quizzes

The theory of ordinary differential equations is a classical topic going back to Newton and Leibniz. It comprises a vast number of ideas and methods of different nature. The theory has many applications and stimulates new developments in almost all areas of mathematics. The applications in this unit will be drawn from predator-prey systems, transmission of diseases, chemical reactions, beating of the heart and other equations and systems from mathematical biology. The emphasis is on qualitative analysis including phase-plane methods, bifurcation theory and the study of limit cycles. The more theoretical part includes existence and uniqueness theorems, stability analysis, linearisation, and hyperbolic critical points, and omega limit sets.

MATH3964**Complex Analysis with Applications (Adv)**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3904, MATH3915 **Assumed knowledge:** MATH2962 **Assessment:** One 2 hour exam, assignments and quizzes

This unit continues the study of functions of a complex variable and their applications introduced in the second year unit Real and Complex Analysis (MATH2962). It is aimed at highlighting certain topics from analytic function theory and the analytic theory of differential equations that have intrinsic beauty and wide applications. This part of the analysis of functions of a complex variable will form a very important background for students in applied and pure mathematics, physics, chemistry and engineering. The course will begin with a revision of properties of holomorphic functions and Cauchy theorem with added topics not covered in the second year course. This will be followed by meromorphic functions, entire functions, harmonic functions, elliptic functions, elliptic integrals, analytic differential equations, hypergeometric functions. The rest of the course will consist of selected topics from Greens functions, complex differential forms and Riemann surfaces.

MATH3065**Logic and Foundations**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 6 credit points of Intermediate Mathematics **Prohibitions:** MATH3005 **Assessment:** One 2 hour exam, tutorial tests, assignments.

This unit is in two halves. The first half provides a working knowledge of the propositional and predicate calculi, discussing techniques of proof, consistency, models and completeness. The second half discusses notions of computability by means of Turing machines (simple abstract computers). (No knowledge of computer programming is assumed.) It is shown that there are some mathematical tasks (such as the halting problem) that cannot be carried out by any Turing machine. Results are applied to first-order Peano arithmetic, culminating in Gödel's Incompleteness Theorem: any statement that includes first-order Peano arithmetic contains true statements that cannot be proved in the system. A brief discussion is given of Zermelo-Fraenkel set theory (a candidate for the foundations of mathematics), which still succumbs to Gödel's Theorem.

MATH3966**Modules and Group Representations (Adv)**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3906, MATH3907 **Assumed knowledge:** MATH3962 **Assessment:** One 2 hour exam, assignments and quizzes

This unit deals first with generalized linear algebra, in which the field of scalars is replaced by an integral domain. In particular we investigate the structure of modules, which are the analogues of vector spaces in this setting, and which are of fundamental importance in modern

pure mathematics. Applications of the theory include the solution over the integers of simultaneous equations with integer coefficients and analysis of the structure of finite abelian groups. In the second half of this unit we focus on linear representations of groups. A group occurs naturally in many contexts as a symmetry group of a set or space. Representation theory provides techniques for analysing these symmetries. The component will deal with the decomposition of representation into simple constituents, the remarkable theory of characters, and orthogonality relations which these characters satisfy.

MATH3067**Information and Coding Theory**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3007, MATH3010 **Assessment:** One 2 hour exam, tutorial tests, assignments.

The related theories of information and coding provide the basis for reliable and efficient storage and transmission of digital data, including techniques for data compression, digital broadcasting and broadband internet connectivity. The first part of this unit is a general introduction to the ideas and applications of information theory, where the basic concept is that of entropy. This gives a theoretical measure of how much data can be compressed for storage or transmission. Information theory also addresses the important practical problem of making data immune to partial loss caused by transmission noise or physical damage to storage media. This leads to the second part of the unit, which deals with the theory of error-correcting codes. We develop the algebra behind the theory of linear and cyclic codes used in modern digital communication systems such as compact disk players and digital television.

MATH3068**Analysis**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3008, MATH2007, MATH2907, MATH2962 **Assessment:** One 2 hour exam, tutorial tests, assignments.

Analysis grew out of calculus, which leads to the study of limits of functions, sequences and series. The aim of the unit is to present enduring beautiful and practical results that continue to justify and inspire the study of analysis. The unit starts with the foundations of calculus and the real number system. It goes on to study the limiting behaviour of sequences and series of real and complex numbers. This leads naturally to the study of functions defined as limits and to the notion of uniform convergence. Returning to the beginnings of calculus and power series expansions leads to complex variable theory: analytic functions, Taylor expansions and the Cauchy Integral Theorem. Power series are not adequate to solve the problem of representing periodic phenomena such as wave motion. This requires Fourier theory, the expansion of functions as sums of sines and cosines. This unit deals with this theory, Parseval's identity, pointwise convergence theorems and applications. The unit goes on to introduce Bernoulli numbers, Bernoulli polynomials, the Euler MacLaurin formula and applications, the gamma function and the Riemann zeta function. Lastly we return to the foundations of analysis, and study limits from the point of view of topology.

MATH3968**Differential Geometry (Advanced)**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics, including MATH2961 **Prohibitions:** MATH3903 **Assumed knowledge:** At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level. **Assessment:** One 2 hour exam and 2 assignments

This unit is an introduction to Differential Geometry, using ideas from calculus of several variables to develop the mathematical theory of geometrical objects such as curves, surfaces and their higher-dimensional analogues. Differential geometry also plays an important part in both classical and modern theoretical physics. The initial aim is to develop geometrical ideas such as curvature in the context of curves and surfaces in space, leading to the famous

Gauss-Bonnet formula relating the curvature and topology of a surface. A second aim is to present the calculus of differential forms as the natural setting for the key ideas of vector calculus, along with some applications.

MATH3969

Measure Theory & Fourier Analysis (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorials per week. **Prerequisites:** 12 credit points Intermediate Mathematics **Prohibitions:** MATH3909 **Assumed knowledge:** At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level **Assessment:** One 2 hour exam, assignments, quizzes

Measure theory is the study of such fundamental ideas as length, area, volume, arc length and surface area. It is the basis for the integration theory used in advanced mathematics since it was developed by Henri Lebesgue in about 1900. Moreover, it is the basis for modern probability theory. The course starts by setting up measure theory and integration, establishing important results such as Fubini's Theorem and the Dominated Convergence Theorem which allow us to manipulate integrals. This is then applied to Fourier Analysis, and results such as the Inversion Formula and Plancherel's Theorem are derived. Probability Theory is then discussed, with topics including independence, conditional probabilities, and the Law of Large Numbers.

MATH3974

Fluid Dynamics (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics with average grade of at least Credit **Prohibitions:** MATH3914 **Assumed knowledge:** MATH2961, MATH2965 **Assessment:** One 2 hour exam

This unit of study provides an introduction to fluid dynamics, starting with a description of the governing equations and the simplifications gained by using stream functions or potentials. It develops elementary theorems and tools, including Bernoulli's equation, the role of vorticity, the vorticity equation, Kelvin's circulation theorem, Helmholtz's theorem, and an introduction to the use of tensors. Topics covered include viscous flows, lubrication theory, boundary layers, potential theory, and complex variable methods for 2-D airfoils. The unit concludes with an introduction to hydrodynamic stability theory and the transition to turbulent flow.

MATH3075

Financial Mathematics

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3975, MATH 3015, MATH3933 **Assessment:** Two class quizzes and one 2 hour exam

This unit is an introduction to the mathematical theory of modern finance. Topics include: notion of arbitrage, pricing riskless securities, risky securities, utility theory, fundamental theorems of asset pricing, complete markets, introduction to options, binomial option pricing model, discrete random walks, Brownian motion, derivation of the Black-Scholes option pricing model, extensions and introduction to pricing exotic options, credit derivatives. A strong background in mathematical statistics and partial differential equations is an advantage, but is not essential. Students completing this unit have been highly sought by the finance industry, which continues to need graduates with quantitative skills. The lectures in the Normal unit are held concurrently with those of the corresponding Advanced unit.

MATH3975

Financial Mathematics (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average **Prohibitions:** MATH3933, MATH3015, MATH3075 **Assessment:** Two class quizzes and one 2 hour exam

This unit is an introduction to the mathematical theory of modern finance. Topics include: notion of arbitrage, pricing riskless securities, risky securities, utility theory, fundamental theorems of asset pricing,

complete markets, introduction to options, binomial option pricing model, discrete random walks, Brownian motion, derivation of the Black-Scholes option pricing model, extensions and introduction to pricing exotic options, credit derivatives. A strong background in mathematical statistics and partial differential equations is an advantage, but is not essential. Students completing this unit have been highly sought by the finance industry, which continues to need graduates with quantitative skills. Students enrolled in this unit at the Advanced level will be expected to undertake more challenging assessment tasks. The lectures in the Advanced unit are held concurrently with those of the corresponding Normal unit.

MATH3076

Mathematical Computing

Credit points: 6 **Teacher/Coordinator:** Dr D J Ivers **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Mathematics and one of MATH(1001 or 1003 or 1901 or 1903 or 1906 or 1907) **Prohibitions:** MATH3976, MATH3016, MATH3916 **Assessment:** One 2 hour exam, assignments, quizzes

This unit of study provides an introduction to Fortran 95 programming and numerical methods. Topics covered include computer arithmetic and computational errors, systems of linear equations, interpolation and approximation, solution of nonlinear equations, quadrature, initial value problems for ordinary differential equations and boundary value problems.

MATH3976

Mathematical Computing (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr D J Ivers **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics and one of MATH(1903 or 1907) or Credit in MATH1003 **Prohibitions:** MATH3076, MATH3016, MATH3916 **Assessment:** One 2 hour exam, assignments, quizzes

See entry for MATH3076 Mathematical Computing.

MATH3977

Lagrangian & Hamiltonian Dynamics (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr. Leon Poladian **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average **Prohibitions:** MATH2904, MATH2004, MATH3917 **Assessment:** One 2 hour exam and assignments

This unit provides a comprehensive treatment of dynamical systems using the mathematically sophisticated framework of Lagrange and Hamilton. This formulation of classical mechanics generalizes elegantly to modern theories of relativity and quantum mechanics. The unit develops dynamical theory from the Principle of Least Action using the calculus of variations. Emphasis is placed on the relation between the symmetry and invariance properties of the Lagrangian and Hamiltonian functions and conservation laws. Coordinate and canonical transformations are introduced to make apparently complicated dynamical problems appear very simple. The unit will also explore connections between geometry and different physical theories beyond classical mechanics. Students will be expected to solve fully dynamical systems of some complexity including planetary motion and to investigate stability using perturbation analysis. Hamilton-Jacobi theory will be used to elegantly solve problems ranging from geodesics (shortest path between two points) on curved surfaces to relativistic motion in the vicinity of black holes. This unit is a useful preparation for units in dynamical systems and chaos, and complements units in differential equations, quantum theory and general relativity.

MATH3078

PDEs and Waves

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3978, MATH3018, MATH3921 **Assumed knowledge:** MATH(2061/2961) and MATH(2065/2965) **Assessment:** One 2 hour exam, one lecture quiz

This unit of study introduces Sturm-Liouville eigenvalue problems and their role in finding solutions to boundary value problems. Analytical solutions of linear PDEs are found using separation of variables and integral transform methods. Three of the most important equations of mathematical physics - the wave equation, the diffusion (heat) equation and Laplace's equation - are treated, together with a range of applications. There is particular emphasis on wave phenomena, with an introduction to the theory of sound waves and water waves.

Textbooks

D L Powers. Boundary Value Problems. Harcourt-Brace 4th Edition. 1999.

MATH3978

PDEs and Waves (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average **Prohibitions:** MATH3078, MATH3018, MATH3921 **Assumed knowledge:** MATH(2061/2961) and MATH(2065/2965) **Assessment:** One 2 hour exam, one lecture quiz

As for MATH3078 PDEs & Waves but with more advanced problem solving and assessment tasks. Some additional topics may be included.

Textbooks

D L Powers. Boundary Value Problems. Harcourt-Brace 4th Edition. 1999.

Statistics Intermediate units of study

The School of Mathematics and Statistics provides Intermediate units of study, each worth 6 credit points, in Statistics. A normal Intermediate load in a discipline is 12 credit points and students intending to specialise in Senior Statistics should take 2 units of study (12 credit points) of Intermediate Statistics. Topics are offered at Normal and Advanced levels and may not be counted together. Further information follows, whilst details of units of study structure, content and assessment procedures are provided in the Intermediate Year Unit of Study Handbook available from the School at the time of enrolment. The units of study (each 6 credit points) are listed below:

First semester

Statistical Models STAT2011; Probability and Statistical Models (Adv) STAT2911

Second semester

Statistical Tests STAT2012; Statistical Tests (Advanced) STAT2912

Relation to other units of study and recommendations

Students should note that all Senior Statistics units of study have statistics prerequisites and some require MATH1003 or 1903 or MATH1002 or 1902. MATH2061 or MATH2961 is also desirable. If your major interest is statistics, then you are encouraged to enrol in 2 units of study (12 credit points) in Intermediate Statistics. If you are considering doing Honours in Statistics, these units of study should be the Advanced units of study, and choices from Intermediate Mathematics should include at least MATH2061 or 2961. If you do not intend to major in Statistics but want a solid introduction to Applied Statistics, you should take STAT2012 in your second semester.

STAT2011

Statistical Models

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory week. **Prerequisites:** MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021] **Prohibitions:** STAT2901, STAT2001, STAT2911 **Assessment:** One 2 hour exam, assignments, quizzes, computer practical reports, one 1 hour computer practical class assessment task

This unit provides an introduction to univariate techniques in data analysis and the most common statistical distributions that are used to model patterns of variability. Common discrete random models like the binomial, Poisson and geometric and continuous models including the normal and exponential will be studied. The method of moments and maximum likelihood techniques for fitting statistical distributions to data will be explored. The unit will have weekly computer classes where candidates will learn to use a statistical computing package to

perform simulations and carry out computer intensive estimation techniques like the bootstrap method.

STAT2911

Probability and Statistical Models (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005) **Prohibitions:** STAT2001, STAT2011, STAT2901 **Assessment:** One 2 hour exam, assignments, quizzes, computer practical reports, one 1 hour computer practical class assessment task.

This unit is essentially an advanced version of STAT2011, with an emphasis being on the mathematical techniques used to manipulate random variables and probability models. Common random variables including the Poisson, normal, beta and gamma families are introduced. Probability generating functions and convolution methods are used to understand the behaviour of sums of random variables. The method of moments and maximum likelihood techniques for fitting statistical distributions to data will be explored. The unit will have weekly computer classes where candidates will learn to use a statistical computing package to perform simulations and carry out computer intensive estimation techniques like the bootstrap method.

STAT2012

Statistical Tests

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1005 or 1905 or 1015) **Prohibitions:** STAT2004, STAT2912 **Assumed knowledge:** STAT (2011 or 2002) **Assessment:** One 2 hour exam, assignments, quizzes, computer practical reports, one 1 hour computer practical class assessment task.

This unit provides an introduction to the standard methods of statistical analysis of data: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric tests, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

STAT2912

Statistical Tests (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH1905 or Credit in MATH1005 **Prohibitions:** STAT2004, STAT2012 **Assumed knowledge:** STAT (2911 or 2901) **Assessment:** One 2 hour exam, assignments, quizzes, computer practical reports, one 1 hour computer practical class assessment task.

This unit is essentially an advanced version of STAT2012 with an emphasis on both methods and the mathematical derivation of these methods: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric methods, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

Statistics senior units of study

The School of Mathematics and Statistics provides several Senior units of study, each worth 6 credit points, in Statistics. Students wishing to major in Statistics should take 4 units of study (24 credit points) of Senior Statistics. Some topics are offered at Normal and Advanced levels and may not be counted together. Entry to some Advanced units of study requires a Credit or better in a Normal level prerequisite or a Pass or better in an Advanced level prerequisite. Further information follows, whilst details of unit of study structure, content, and assessment procedures are provided in the Senior Units of Study Handbook available from the School at the time of enrolment. The units of study (each 6 credit points) are listed below:

First semester

STAT3011 Stochastic Processes and Time Series; STAT3911 Stochastic Processes and Time Series Adv; STAT3012 Applied Linear Methods; STAT3912 Applied Linear Methods Advanced

Second semester

STAT3013 Statistical Inference; STAT3913 Statistical Inference Advanced; STAT3014 Applied Statistics; STAT3914 Applied Statistics Advanced

Relation to other units of study and recommendations

In general 4 units of study (24 credit points) are required in order to major in Statistics, and a Credit average is required to progress to an Honours year. Potential Honours students are expected to include at least two Advanced level units of study. Students intending to major in Statistics should choose 2 units of study of Senior Statistics each semester, making 24 credit points in total.

STAT3011**Stochastic Processes and Time Series**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; ten 1 hour computer laboratories per semester. **Prerequisites:** STAT (2011 or 2911 or 2001 or 2901) and MATH (1003 or 1903 or 1907). **Prohibitions:** STAT3911, STAT3003, STAT3903, STAT3005, STAT3905 **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports.

Section I of this course will introduce the fundamental concepts of applied stochastic processes and Markov chains used in financial mathematics, mathematical statistics, applied mathematics and physics. Section II of the course establishes some methods of modeling and analysing situations which depend on time. Fitting ARMA models for certain time series are considered from both theoretical and practical points of view. Throughout the course we will use the S-PLUS (or R) statistical packages to give analyses and graphical displays.

STAT3911**Stochastic Processes and Time Series Adv**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lecture, one 1 hour tutorial per week, plus an extra 1 hour lecture per week on advanced material in the first half of the semester. Seven 1 hour computer laboratories (on time series) in the second half of the semester (one 1 hour class per **Prerequisites:** (STAT2911 or credit in STAT2011) and MATH(1003 or 1903 or 1907). **Prohibitions:** STAT3011, STAT3003, STAT3903, STAT3005, STAT3905 **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports.

This is an Advanced version of STAT3011. There will be 3 lectures in common with STAT3011. In addition to STAT3011 material, theory on branching processes and birth and death processes will be covered. There will be more advanced tutorial and assessment work associated with this unit.

STAT3012**Applied Linear Methods**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratories per week. **Prerequisites:** STAT(2012 or 2912 or 2004) and MATH(1002 or 1902). **Prohibitions:** STAT3912, STAT3002, STAT3902, STAT3004, STAT3904 **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports, one 1 hour computer practical class assessment task.

This course will introduce the fundamental concepts of analysis of data from both observational studies and experimental designs using classical linear methods, together with concepts of collection of data and design of experiments. First we will consider linear models and regression methods with diagnostics for checking appropriateness of models. We will look briefly at robust regression methods here. Then we will consider the design and analysis of experiments considering notions of replication, randomization and ideas of factorial designs. Throughout the course we will use the S-PLUS (or R) statistical packages to give analyses and graphical displays.

STAT3912**Applied Linear Methods Advanced**

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** (STAT2912 or Credit in STAT2004 or Credit in STAT2012) and MATH(2061 or 2961 or 1902). **Prohibitions:** STAT3012, STAT3002, STAT3902, STAT3004, STAT3904 **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports, one 1 hour computer practical class assessment task.

This unit is essentially an Advanced version of STAT3012, with emphasis on the mathematical techniques underlying applied linear models together with proofs of distribution theory based on vector space methods. There will be 3 lectures per week in common with STAT3012 and some advanced material given in a separate advanced tutorial together with more advanced assessment work.

STAT3013**Statistical Inference**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** STAT(2012 or 2912 or 2003 or 2903). **Prohibitions:** STAT3913, STAT3001, STAT3901 **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports, one 1 hour computer practical class assessment task.

In this course we will study basic topics in modern statistical inference. This will include traditional concepts of mathematical statistics: likelihood estimation, method of moments, properties of estimators, exponential families, decision-theory approach to hypothesis testing, likelihood ratio test as well as more recent approaches such as Bayes estimation, Empirical Bayes and nonparametric estimation. During the weekly computer classes (using S-PLUS or R software packages) we will illustrate the various estimation techniques and give an introduction to computationally intensive methods like Monte Carlo, Gibbs sampling and EM-algorithm.

STAT3913**Statistical Inference Advanced**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** STAT(2912 or 2903). **Prohibitions:** STAT3013, STAT3001, STAT3901 **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports, one 1 hour computer practical class assessment task.

This unit is essentially an Advanced version of STAT3013, with emphasis on the mathematical techniques underlying statistical inference together with proofs based on distribution theory. There will be 3 lectures per week in common with some material required only in this advanced course and some advanced material given in a separate advanced tutorial together with more advanced assessment work.

STAT3014**Applied Statistics**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** STAT(2012 or 2912 or 2004). **Prohibitions:** STAT3914, STAT3002, STAT3902, STAT3006 **Assumed knowledge:** STAT(3012 or 3912). **Assessment:** One 3 hour exam, assignments / quizzes, computer practical reports, one 1 hour computer practical assessment task.

This unit has three distinct but related components: Multivariate analysis; sampling and surveys; and generalized linear models. The first component deals with multivariate data covering simple data reduction techniques like principal components analysis and core multivariate tests including Hotelling's T^2 , Mahalanobis' distance and Multivariate Analysis of Variance (MANOVA). The sampling section includes sampling without replacement, stratified sampling, ratio estimation, and cluster sampling. The final section looks at the analysis of categorical data via generalized linear models. Logistic regression and log-linear models will be looked at in some detail along with special techniques for analyzing discrete data with special structure.

STAT3914**Applied Statistics Advanced**

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour computer laboratory per week plus an extra hour each week which

will alternate between lectures and tutorials. **Prerequisites:** STAT2912 or credit or better in (STAT2004 or STAT2012). **Prohibitions:** STAT3014, STAT3002, STAT3902, STAT3006, STAT3907 **Assumed knowledge:** STAT3912 **Assessment:** One 3 hour exam, quizzes, computer practical reports, one 1 hour computer practical assessment task.

This unit is an Advanced version of STAT3014. There will be 3 lectures per week in common with STAT3014. The unit will have extra lectures focusing on multivariate distribution theory developing results for the multivariate normal, partial correlation, the Wishart distribution and Hotelling's T^2 . There will also be more advanced tutorial and assessment work associated with this unit.

Media and Communications units of studies

The following units of study are only available to students in the Bachelor of Science Media and Communications degree.

MECO1001

Australian Media Studies

Credit points: 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 1500 word essay (30%); One 1500 word essay (40%); one 2 hour exam (30%)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit offers an introduction to the history and theory of media and communications studies. Students will gain a foundation in key concepts, methodologies and theorists in the field. They will also explore the interdisciplinary roots of media and communications studies and acquire basic research skills. By the end of the unit students should be familiar with major shifts in the history and theory of media and communications studies and with basic concepts and methodologies in the field.

Textbooks

It is recommended that students purchase a reader from the Copy Centre.

Recommended Reading:

Alan McKee, *Textual Analysis: A Beginner's Guide*, SAGE London, 2003

MECO1003

Principles of Media Writing

Credit points: 6 **Teacher/Coordinator:** A/Prof C Lumby **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 400 word news story (20%); one 500 word colour news story (20%); one 700 word broadcast script (20%); and one 2 hour exam (30 %)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit will give students foundational skills in writing for the print and broadcast media. Students will learn the elements of journalistic style, how to structure news and feature articles, how to script basic broadcast and online news, and be introduced to the principles of interviewing and journalistic research.

Textbooks

Course reader;

Recommended readings:

David Conley, *The Daily Miracle: An Introduction to Journalism*, Oxford University Press, Melbourne, 1997; Style, News Custom, 2005.

Graeme Turner and Stuart Cunningham, *Media and Communications in Australia*, Allen and Unwin, Sydney, 2006; Style, News Custom, 2005

MECO2601

Radio Broadcasting

Credit points: 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1 **Classes:** One 2 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO2001 **Assessment:** One radio news exercise, one production diary, radio scripts and final work (equivalent 2500 words) and one 2 hour exam

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit is designed to introduce students to the history, nature and contemporary status of radio. It specifically considers such concepts as news values and the role of the Internet in audio broadcasts. Students will also apply critical analytical approaches to radio and

online broadcast texts. Practically, the unit offers an introduction to radio presentation and production, using professional quality digital audio recording and editing facilities.

Textbooks

Phillips, G and Lindgren, M (2002) *Australian Broadcasting Journalism Manual*, 2nd edn., Oxford University Press.

It is recommended that students purchase a reader from the Copy Centre

MECO3603

Media, Law and Ethics

Credit points: 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO3003 **Assessment:** One 2000 word essay (40%), one 2 hour exam (40%) and one Web CT Posting (20%)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

MECO3603 will introduce students to the area of Media Law and Ethics through discussion of key legal, ethical, and cultural 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 those aspects of the law that impinge on the work of media professionals.

Textbooks

There is a Reader of key articles, available from the University Copy Centre.

There are also two textbooks:

Catharine Lumby and Elspeth Probyn, Eds. *Remote Control: New Media, New Ethics*, Cambridge University Press, Melbourne, 2003.

Mark Pearson, *The Journalist's Guide to Media Law: Dealing with Legal and Ethical Issues*, 2nd Edition. Allen and Unwin, Crows Nest, 2004. (New edition forthcoming)

MECO3601

Video Production

Credit points: 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO3001 **Assessment:** Individual 90 second News Piece; Group produced video; weekly Production Report; Reflection statement; 2 hour exam **Practical field work:** This unit will involve substantial group video production project work outside of class time.

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This is an introduction to the theory and practice of digital video production, with a strong practical component, emphasizing information-based programming (news, current affairs, corporate video, documentary and infotainment). Students will be expected to produce short video items individually and in groups, using professional standard desktop editing software.

Textbooks

There is a recommended Reader, available from the University Copy Centre.

Supplementary text:

Martha Mollison, *Producing Videos: A Complete Guide*, 2nd edition. AFTRS/ Allen & Unwin: Sydney, 2003.

MECO3602

Online Media

Credit points: 6 **Teacher/Coordinator:** Ms K Crawford **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO3002 **Assessment:** Group produced web site (50%); one individual production essay (20%); one two hour exam (30%); one web site proposal (Pass/Fail) **Practical field work:** This unit will involve substantial group web site production project work outside of class time.

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

This unit will examine the role of the Internet, new media and the way the web is changing the media landscape. It explores the development and growth of the Internet, and provides a critical framework in which to understand the current industry. By the end of the unit, students

will be familiar with key theoretical and cultural issues in online media, and will engage in both offline and online analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will develop their own web sites.

Textbooks

There is a reader of key articles, available from the University Copy Centre. There is also one textbook:
Flew, Terry (2005), 'New Media: An Introduction'. 2nd Edition. Melbourne: Oxford University Press. pp280. ISBN 0195550412.

MECO3603

Media, Law and Ethics

Credit points: 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 1
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO3003 **Assessment:** One 2000 word essay (40%), one 2 hour exam (40%) and one Web CT Posting (20%)

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

MECO3603 will introduce students to the area of Media Law and Ethics through discussion of key legal, ethical, and cultural 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 those aspects of the law that impinge on the work of media professionals.

Textbooks

There is a Reader of key articles, available from the University Copy Centre. There are also two textbooks:
Catharine Lumby and Elspeth Probyn, Eds. Remote Control: New Media, New Ethics, Cambridge University Press, Melbourne, 2003.
Mark Pearson, The Journalist's Guide to Media Law: Dealing with Legal and Ethical Issues. 2nd Edition. Allen and Unwin, Crows Nest, 2004. (New edition forthcoming)

MECO3605

Media Globalisation

Credit points: 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1
Classes: One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 (or ENGL1050 or ENGL1005 or LNGS1005 for students who commenced prior to 2005) **Prohibitions:** MECO3005 **Assessment:** One 2000 word essay (40%); tutorial presentation/debate (20%) and one 2 hour exam (40%)

Note: Available to BA (Media and Comm) and, subject to departmental approval, students undertaking a major in Cultural Studies.

This unit aims to demonstrate the complexity of media globalisation and to examine in depth some of the common assumptions associated with the term. While the unit will consider the impact of global market forces (i.e. cheap labour in developing countries, environmental issues, etc), it is interested in the dynamics of globalisation more generally, and media globalisation more specifically. Students can expect to appreciate that media globalisation is a complex proposal that involves formats, localisation, symbolic currency and negotiation.

Textbooks

It is recommended that students purchase a reader from the Copy Centre. Recommended Reading:
Stuart Cunningham and Graeme Turner (Ed.), The Media and Communications in Australia, Allen & Unwin, Sydney, 2002

MECO3671

Media and Communications Internship

Credit points: 6 **Teacher/Coordinator:** Ms I Blue **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Classes:** There are no lectures, but attendance may be required at a programme of industry talks. **Prerequisites:** 30 senior credit points of MECO, including MECO3603. Students may not enrol in MECO3671 prior to the second semester of their 3rd year. **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

The internship consists of a work placement comprising a minimum of 20 working days in a media organisation, assisted and supervised

by both the workplace and the department. Placements may include print, broadcast, online and new media, public relations and advertising organisations. Students will be required to present a 2000 word journal recounting their experiences during the internship. The internship and internship journal are assessed on a satisfactory/unsatisfactory basis.

MECO3672

Internship Project

Credit points: 6 **Teacher/Coordinator:** Ms I Blue **Session:** Semester 1, Semester 2, Winter Main **Prerequisites:** 30 senior credit points of MECO, including MECO3603. Students may not enrol in MECO3672 prior to the first semester of their 4th year. **Corequisites:** MECO3671 and MECO3002 and MECO3003 (4th Years) or MECO3671 and MECO3602 and MECO3603 (3rd years) **Prohibitions:** MECO3701, MECO3702 **Assessment:** One 4000 word research essay

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

This unit is based around the production of a 4000 word research essay arising from issues encountered during the internship. Students are required to attend a minimum of four seminars, which they will direct (in the presence of the unit co-ordinator) to discuss and refine their research approaches and questions. Students will also need to provide documentation of their research question and approach before submitting their essay.

Textbooks

Stokes, Jane (2002) How to do Media and Cultural Studies, London: Sage

Medical Science units of study

Bachelor of Medical Science junior units of study

All prerequisite and corequisite units of study, details of staff, examinations, units of study delivery and descriptions are as described under the appropriate Department or School entry in this chapter.

Bachelor of Medical Science Intermediate Core units of study

BMED2801

Cell Structure and Function

Credit points: 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr exam; on-line quizzes, continuous assessment, prac report; prac exam.

This unit of study begins with a discussion of the unique morphology of unicellular prokaryotic organisms (bacteria, fungi and viruses) followed by the structure and function of human cells. A strong understanding of cellular structures is essential for an appreciation of whole body function. Basic cell structure is examined by focussing on cell specialisation and tissue organisation in humans. The structure and function of excitable cells such as nerve and muscle will lead to a discussion of membrane potential, synaptic transmission and neuromuscular junction. The unit of study then gives an introduction into how gene expression is regulated during development, and how the cell cycle is controlled to coordinate programmed events such as differentiation and cell death. This allows discussion of the consequences and treatment of abnormal tissue growth (cancer). Practical classes not only complement the lecture material but also introduce students to a wide range of technical skills, tissue processing and bacterial cultivation. In addition, the sessions are also designed to provide students with generic skills such as record keeping, data collection and presentation, protocol planning and written communication.

BMED2802

Molecular Basis of Medical Sciences

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr exam; on-line quizzes, prac reports

This unit of study extends pre-existing understanding of the way in which genetic information is stored, transmitted and expressed. Students will be introduced to the role of enzymes in the catalysis of cellular reactions and the pharmacological strategies employed to exploit our knowledge of these mechanisms is then discussed. Intracellular signalling cascades, cell to cell signalling and pharmacological intervention in these processes is covered. The molecular basis of drug action and the use of DNA technology in drug design will be discussed. Students will then cover the application of medical genetics to the study of advanced gene expression, recombinant technology, cloning and gene products, transgenics and the linkage and mapping of genes including reference to DNA fingerprinting and the human genome project and gene therapy. The technical skills taught in the practical classes include the use of restriction enzymes, the separation of DNA molecules using electrophoresis, the inspection of chromosomes, linkage mapping, gene transfer and the measurement of gene expression. In addition to nurturing the skills involved in the design and execution of experiments, the practical sessions will formally teach students report writing skills and will give students practice at articulating feedback to their peers.

BMED2803

Cardiac, Respiratory and Renal Function

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr exam; on-line quizzes, essay, prac reports

The maintenance of constant conditions in the human body is dependent on thousands of intricate control mechanisms. This unit of study examines many of those homeostatic processes with specific reference to major apparatus such as the respiratory, cardiovascular and renal. The structure and function of the cardiovascular system is discussed and cardiac output, blood pressure and blood flow are studied. Discussion of the respiratory system embraces the structure of the respiratory organs and description of the mechanism of the transport of gases to and from cells. Similar treatment of the renal system involves anatomical and histological investigation of kidney structure and a physiological description of kidney function. Practical classes are designed to nurture the same generic attributes taught in BMED2801 and BMED2802 but, in addition, students are introduced to a wide range of anatomical and physiological technical skills. Specifically, students will investigate the structure and function of the heart and blood vessels, the components of the respiratory system and the kidney - all at the cellular and organ level. Students will also conduct experiments (often on themselves) which show how heart rate and blood pressure are controlled, how breathing is regulated and how urine output is modulated in response to both physiological and pharmacological stimuli.

BMED2804

Digestion, Absorption and Metabolism

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr exam; on-line quizzes, prac reports

This unit of study gives an introduction to the structures used to digest and absorb fuels, at both the anatomical and histological level. This is then followed by discussion of the utilisation and fate of absorbed nutrients. After an overview of the alimentary tract and associated organs, the detailed anatomy of the oral cavity, oesophagus, stomach, intestines, liver, etc is considered. This is complemented by description of the specialised cell types in the digestive system, discussion of the transport mechanisms employed to absorb nutrients, and consideration of the control systems used to regulate activity of the digestive process. The role of intestinal microflora in the gastrointestinal tract, contributing to both beneficial digestion and absorption of nutrients, as well as to

pathogenic disruption, is also discussed in this unit of study. The fundamentals of metabolism are introduced, in particular, the chemical reactions that are responsible for fuel processing. The pharmacokinetic angle is explored further with discussion of the metabolism and absorption of drugs including the detoxification and excretion of xenobiotic compounds. Practical classes give students extensive experience with inspection of the digestive system at both the cellular and gross anatomical level. The peristaltic reflex and pharmacological influences are explored. These sessions are designed to nurture observation, data analysis, record keeping and report writing skills.

BMED2805

Hormones, Reproduction and Development

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour exam; quizzes, essay, practical assay

This unit of study examines hormonal control of human body processes. Specifically, students will investigate the structure and function of endocrine glands: the pituitary, thyroid and pancreas - all at the cellular and organ level. Examples of the influence of hormones on metabolic processes are provided by consideration of fuel selection during exercise and starvation, and diabetes and obesity. This enables students to appreciate the extent of the contribution of hormones to organ co-ordination in response to circumstances such as starvation, obesity, exercise and diabetes. Students extrapolate to consider the regulation of fuel selection during exercise and the cause of fatigue. The fate of the macronutrients (carbohydrate, fat and protein) is then considered by reference to their uptake, disposal and reassembly into storage fuels and cellular structures. The biochemical pathways involved in the extraction of energy from the macronutrient fuels are then covered, with particular emphasis on the whole body integration and regulation of these metabolic processes. This leads onto discussion of performance enhancing drugs and also provides a solid background for the understanding of pharmacological intervention in these conditions. The hormones involved in reproduction, contraception, fertilisation and pregnancy are also discussed, leading on to foetal-new-born transition and discussion of the development of the human embryo and cell differentiation. In the practical classes, students are introduced to a wide range of biochemical technical skills. Specifically, students will investigate the structure and function of the important endocrine glands - all at the cellular and organ level. Students will design a biochemical kit for the evaluation of blood glucose and will perform a glucose tolerance test to investigate how glucose levels are regulated and modulated in response to a glucose load. In addition, sessions are designed to nurture oral presentation skills, hypothesis testing, data analysis, troubleshooting, instruction writing and feedback skills.

BMED2806

Sensory and Motor Functions

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour exam; on-line quizzes, practical reports

This unit of study examines how neural and motor systems are adapted to sense and respond to changes in the external environment. After consideration of the basic anatomical organisation of the nervous and sensory systems, the way in which nerve signals are integrated and co-ordinated in response to external stimuli are covered in more detail. Various senses such as vision, touch and hearing are studied, together with a discussion on motor reflexes. The receptors involved in normal modes of communications are discussed before specific examples such as the fright and flight and stress responses are considered. This is complemented by discussion of the effects of drugs on the nervous system, with special reference to pain and analgesics. An appreciation is gained of how toxins and infections can perturb the

normal neuromuscular co-ordination. Thus pharmacological and pathological considerations, such as the use of poisoned arrows and muscle paralysis and viral and tetanus infections, are studied in concert with relevant physiological concepts. In practical classes, students perform experiments (often on themselves) to illustrate the functioning of the senses and motor control and co-ordination involving both stretch and flexor reflexes. In addition, students extend their anatomical expertise by examining the structure and function of the nervous system and the skeleton (especially the vertebral column, the thorax and the limbs). Practical sessions also include the effects of analgesics on experimental pain and case studies of tetanus and botulism. The practical sessions draw widely on, and nurture, the generic skills taught in preceding units of study but particularly in BMED2804 and BMED2805.

BMED2807

Microbes and Body Defences

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour exam; on-line quizzes, continuous assessment, practical examinations

This unit of study begins by introducing the concepts of disease transmission, pathogenicity and virulence mechanisms of microbes. How the body deals with injury and infection is discussed by exploring host defences. Sections on wound healing, clotting and inflammation cover the response to physical damage and this is complemented by discussion of the pharmacological basis of anti-inflammatory agents and anti-coagulants. For a full understanding of the process of infection, it is necessary to have an appreciation of the range of pathogens and injuries with which the body must cope. Therefore this unit of study examines the structure and function of pathogenic microorganisms (including bacteria, fungi, protists, and viruses, etc). The response of the body to pathogen invasion is studied by discussion of both molecular and cellular immune responses. In particular, this gives students an appreciation of the structure, production and diversity of antibodies, the processing of antigens, operation of the complement system and recognition and destruction of invading cells. This allows students to appreciate the basis of derangements of the immune system and the mechanism of action of immuno-modulatory drugs. Practical classes allow students to obtain experience in, and an understanding of, a range of techniques in classical and molecular virology, bacteriology and immunology. In addition, the practical sessions draw widely on, and nurture, the generic skills taught in preceding units of study.

BMED2808

Disease in Society

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour exam; quizzes, continuous assessment

Disease in Society seeks to integrate basic knowledge of important diseases, ranging from metabolic diseases through infections and heart disease to 'social' diseases such as drug addiction and use of psychoactive compounds. About half the unit considers infectious diseases: viral, bacterial, fungal and parasitic. The other half looks at inherited disorders, cardio-respiratory disorders such as angina, heart failure and asthma. Society's approaches to dealing with these diseases - whether by pharmacological intervention, counselling or lifestyle change are discussed. Putting the disease in the relevant social context is emphasized in all aspects of the unit. The impact of bacteria and viruses on individuals and society is taught with reference to specific infectious diseases (eg influenza, polio, herpes, STDs, etc) and this leads into an introduction of epidemiology. Included in the discussion of the way in which these organisms cause and transmit disease is a consideration of how antibiotics and anti-viral drugs work and how microbes can become drug resistant. Practical classes are

designed to complement the lectures and provide a 'hands-on' experience in investigating disease. Also included are tutorial sessions in which hospital microbiologists guide students through clinical case studies and in an integrated session, students examine the infection, immunity and pathology of tuberculosis. These sessions are designed to nurture an appreciation of the importance of an integrative approach to the study of disease in today's society. The generic skills taught in preceding units of study are further reinforced.

Bachelor of Medical Science Senior Core units of study

Students are required to complete at least 36 credit points of Senior units of study chosen from the core subject areas of Anatomy and Histology, Biology (Genetics), Biochemistry, Cell Pathology, Immunology, Infectious diseases, Microbiology, Pharmacology and Physiology, as listed in Table IV. Descriptions are listed here and under the relevant department headings in this chapter where the units are offered by other Schools/Departments in the faculty.

INFD3012

Infectious Diseases

Credit points: 6 **Teacher/Coordinator:** A/Prof. Colin Harbour **Session:** Semester 2 **Classes:** One 1 hour lecture and one 1 hour tutorial and one 2 hour practical and one 2 hour case study or theme session a week. **Prerequisites:** 42 credit points of intermediate BMED units including BMED2807. **Assumed knowledge:** Intermediate microbiology, immunology, molecular biology and genetics. **Assessment:** Formal examination: one 2 hour exam, 60% Progressive assessment: includes: 2000w essay, tutorial case presentation, poster presentation, 40%.

Note: The completion of MICR3011 is strongly recommended prior to undertaking this course.

Infectious diseases occur as a result of interactions between a host and a microbial parasite. This unit of study will explain how infectious agents interact with human hosts at the molecular, cellular, individual patient and community levels to cause diseases and how the hosts attempt to combat these infections. The unit will be taught by the discipline of Infectious Diseases and Immunology of the Department of Medicine within the Central Clinical School, Faculty of Medicine with involvement of associated clinical and research experts who will contribute lectures and theme sessions on their own special interests. The primary learning vehicle in this unit will be the case study involving three or four cases per week on the diseases theme of the week, e.g. Pneumonia in week 1, wound infections in week 2 etc. Students are strongly recommended to complete MICR3011 before enrolling in this unit.

Textbooks

Medical Microbiology. Edited by Cedric Mims et al. Mosby, 2004. ISBN 07234-3260-0

Bachelor of Medical Science Honours

The Bachelor of Medical Science Honours degree is governed by regulations of the Senate and of the Faculty of Science as described in chapter 5. An Honours degree may be taken by students of sufficient merit in any of the Departments offering Senior level core units. Entry to Honours units is regulated by individual Departments and the exact detail of Honours programs also varies from Department to Department. Students interested in undertaking Honours should consult the relevant Department for further details.

Medical Science Honours - Infectious Diseases Honours

The Honours program in Infectious Diseases provides the opportunity for full-time research on a proposed project supervised by a staff member expert in that field. Experimental research, a seminar and a thesis constitute the major part of the program and of assessment. Guidance in research techniques is given in training programs covering experimental design, data analysis, written and oral communication and critical appraisal of the literature. Student contributions to this program are also assessed. In addition, a supplementary seminar program keeps students informed and abreast of wider issues in infectious diseases.

Applying for admission to Infectious Diseases Honours

Students are invited to apply for Honours enrolment during semester two of the year preceding Honours. Applicants should consult the Honours coordinator in the first instance. A list of possible research topics is provided, and students select projects of interest, speak with prospective supervisors and apply for permission to enrol, before the end of semester two. Within the constraints of availability, an attempt is made to assign students to the project of their choice. Usually Honours candidates will have achieved a Credit in the senior unit Infectious Diseases and will also have successfully completed Senior study in Biochemistry, Microbiology, or Virology. Usually Honours candidates will have an overall SCIWAM of 65 or greater. Departmental permission is required for enrolment.

Medicinal Chemistry

Medicinal Chemistry is an interdisciplinary major offered within the BSc. It is concerned with the chemistry underpinning the design, discovery and development of new pharmaceuticals, and is jointly administered by the School of Chemistry and the Department of Pharmacology. Medicinal Chemistry examines why some types of chemical compounds are toxic, why some have therapeutic value, and the mode of drug action at the molecular level. A major in Medicinal Chemistry includes the study of natural and synthetic compounds of biological and medicinal importance, how molecules interact with each other and how specific molecules can influence metabolic pathways in living organisms. A student seeking to complete this major will study Junior and Intermediate Chemistry, and also Intermediate Pharmacology, as prerequisites for the Senior units of study. Refer to Table 1 for an enrolment guide and to entries under the contributing schools and departments for unit descriptions.

Microbiology

The discipline of Microbiology in the School of Molecular and Microbial Biosciences offers units of study that equip students for a career in Microbiology in fields of health, industry and basic research. In addition, it provides introductory units of study to students of agriculture, pharmacy and science. These units of study will help students who wish to specialise in related fields where microorganisms are often used in studying life processes, e.g. biochemistry, genetics and botany.

Microbiology Intermediate units of study

MICR2021

Introductory Microbiology

Credit points: 6 **Teacher/Coordinator:** Dr Dee Carter **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour lectures or tutorials per semester. Eleven 3 hour practicals per semester. **Prerequisites:** 6cp of Junior Biology and (6cp of MBLG1001 or MBLG2901 or PLNT2001 or PLNT2901) and 6cp of Junior Chemistry **Prohibitions:** MICR2921, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 **Assessment:** One 2 hour exam, continuous assessment in practical, two assignments, practical exam

Note: Students are very strongly recommended to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).

Microorganisms are by far the most ubiquitous organisms on the planet, and underpin healthy ecosystems through nutrient recycling and biodegradation, as well as providing many aspects of plant and animal nutrition. They are used in many industrial processes such as producing enzymes, vitamins and antibiotics, and in the manufacture of some foods and beverages. Microorganisms can also cause problems, however, such as human, animal and plant diseases, poisoning, pollution and spoilage. The small size of most microorganisms means special techniques are required to view, measure, classify and identify them. In this unit of study, the diversity of microbial life, including viruses, bacteria, fungi, algae and protozoa, and their importance to humans, are introduced. The course is designed for the students wishing to major in microbiology as well as those requiring microbial skills while specializing in related fields, such as molecular biology. Theoretical aspects of microbiology are

supplemented with laboratory classes that teach the safe handling and viewing of microorganisms, and draw on research in microbiology laboratories.

Textbooks

Prescott L M et al. Microbiology. 6th edn, WCB/McGraw-Hill, 2005

MICR2921

Introductory Microbiology (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour lectures per semester. Eleven 3 hour practicals per semester. **Prerequisites:** (6credit points of Junior Biology) and (6credit points of MBLG1001 or MBLG2901 or PLNT2001 or PLNT2911) and 6 credit points of Junior Chemistry. Distinction grade required in at least one of Junior Biology or MBLG1001 or PLNT2001 or PLNT2911. **Prohibitions:** MICR2021, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 **Assessment:** One 2 hour exam, continuous assessment in practical, 2 assignments, practical exam

Note: Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 or 2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT(2001 or 2901).

This unit of study is based on MICR2021 with approximately six alternative lectures/tutorials on advanced aspects of the material covered in MICR2021. The content and nature of these components may vary from year to year.

Textbooks

As for MICR2021

MICR2022

Microbes in Society

Credit points: 6 **Teacher/Coordinator:** Dr Nick Coleman **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour lectures or tutorials per semester. Eleven 3 hour practicals per semester. **Prerequisites:** 6 credit points of Junior Biology and (6 credit points of MBLG1001 or PLNT2001 or PLNT2911) and 6 credit points of Junior Chemistry **Prohibitions:** MICR2922, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 **Assumed knowledge:** MICR (2021 or 2921 or 2024) **Assessment:** One 2 hour exam, continuous assessment in prac, 2 assignments, prac exam

Note: Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).

Microorganisms have a large impact on human society, and are particularly notorious as the causative agents of infectious diseases. However, microbes also have many beneficial roles in agricultural, industrial, biotechnological, and environmental processes. Understanding the biology of microorganisms and their relationship to human society is critical to fighting the 'bad' microbes, and harnessing the activities of the 'good' microbes. MICR2022 will build on the skills and knowledge gained in MICR2021/2921. An extensive set of Medical Microbiology lectures will cover bacterial, viral, and fungal pathogens, and will introduce key concepts including epidemiology and disease transmission, pathogenicity and virulence factors, host/parasite relationships, host defences, prevention of disease, and antibiotic types and functions. Lecture topics in other areas include Food Microbiology (microbial ecology of food, fermentation and production, spoilage and food poisoning), Agricultural Microbiology (plant/microbe associations), Microbial Evolution and Genomics (incl. structural and functional genomics), and Industrial Microbiology (large-scale fermentation, traditional and recombinant products, biosensors and biocontrol agents, biodeterioration and bioremediation). The laboratory sessions are integrated with the lecture series and are designed to give students practical experience in isolating, identifying and manipulating microorganisms. Work Experience - students who have completed MICR2021/2921 and MICR2022/2922 and are enrolled in the BSc or BSc (Advanced) may be offered the opportunity to undertake work experience for approximately one month in a local microbiology laboratory (hospital, food, research, environmental, etc) subject to availability of places.

Textbooks

Prescott L M et al. Microbiology. 6th edn, WCB/McGraw-Hill, 2005

MICR2922**Microbes in Society (Advanced)**

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour lectures per semester. Eleven 3 hour practicals per semester. **Prerequisites:** 6 credit points of Junior Biology and (6 credit points of MBLG1001 or PLNT2001 or PLNT2901) and 6 credit points of Junior Chemistry. Distinction grade required in at least one of Junior Biology or MBLG1001 or PLNT2001 or PLNT2911. **Prohibitions:** MICR2022, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 **Assumed knowledge:** MICR (2021 or 2021 or 2024) **Assessment:** One 2 hour exam, continuous assessment in practical, 2 assignments, practical exam

Note: Students are very strongly advised to complete MICR (2021 or 2021 or 2024) before enrolling in MICR2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).

This unit of study is based on MICR2022 with approximately six alternative lectures/tutorials on advanced aspects of the material covered in MICR2022. The content and nature of the alternative components may vary from year to year.

Textbooks

As for MICR 2021

MICR2024**Microbes in the Environment**

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Holmes **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 30 credit points of Junior Science or Faculty of Agriculture, Food and Natural Resource units including 6 credit points of Junior Biology. **Prohibitions:** MICR2021, MICR2921, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 **Assessment:** One 2 hour exam, fortnightly practical quiz, project report and continuous practical assessment.

Note: Students are very strongly recommended to complete MICR (2021 or 2021 or 2024) before enrolling in MICR2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG1001 or PLNT (2001 or 2901).

This unit introduces the diversity of microbes found in soil, water, air, plants and animal environments. Through an examination of their physiology and genetics it explores their interactions with plants, animals and each other, and their roles as decomposers and recyclers in the environment. The soil is a rich microbial environment, and the concept of soil health and its relationship to plant growth is discussed. Practical classes introduce techniques and skills in isolating, quantifying and culturing microbes, designing and interpreting experiments to study microbial growth, and in preparing and presenting data.

Textbooks

Atlas RM and Bartha R (1997) Microbial Ecology: Fundamentals and applications. 4th Edition. Benjamin/Cummings Scientific Publishing, Menlo Park, CA

Microbiology Senior units of study**MICR3011****Microbes in Infection**

Credit points: 6 **Teacher/Coordinator:** Mrs Helen Agus **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** At least 6 credit points of MBLG units and MICR (2022 or 2022 or 2002 or 2002). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2807 and 2808). For BScAgr students: PLNT (2001 or 2901) and MICR (2022 or 2022). **Prohibitions:** MICR3911, MICR3001, MICR3901 **Assessment:** One 2 hour exam, continuous assessment, practical work

This unit is designed to further develop an interest in, and understanding of, medical microbiology from the introduction in Intermediate Microbiology. Through an examination of microbial structure, virulence, body defences and pathogenesis, the process of acquisition and establishment of disease is covered. The unit is divided into three themes: 1. Infections of body systems: bacterial and fungal infections that are problematic at particular sites, host defences, virulence mechanisms; 2. Public health microbiology: epidemiology, international public health, transmission, water and food borne outbreaks; 3. Emerging and re-emerging diseases: the impact of societal change with respect to triggering new diseases and causing the re-emergence of past problems. The practical component is designed to enhance students' practical skills and to complement the

lecture series. Clinical tutorial sessions underpin and investigate the application of the material covered in the practical classes.

Textbooks

Murray P.R. et al. Medical Microbiology. 5th ed., Mosby, 2005.

MICR3911**Microbes in Infection (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Mrs Helen Agus **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour lectures per semester. One 3 hour practical per week. **Prerequisites:** At least 6 credit points of MBLG units and Distinction in MICR (2022 or 2022 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including in BMED (2807 or 2808) with a Distinction in one of these two. For BScAgr students: PLNT (2001 or 2901) and MICR (2022 or 2022) including one Distinction. **Prohibitions:** MICR3011, MICR3001, MICR3901 **Assessment:** One 2 hour exam, continuous assessment, practical work, one essay, one group presentation.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3011 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year.

Textbooks

Murray P.R. et al. Medical Microbiology. 5th ed., Mosby, 2005.

MICR3012**Molecular Biology of Pathogens**

Credit points: 6 **Teacher/Coordinator:** Dr D Carter **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, six 5 hour practicals plus two practical-based tutorials per semester. **Prerequisites:** At least 6 credit points of MBLG units and MICR (2022 or 2022 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802, 2807 and 2808). For BScAgr students: PLNT (2001 or 2901) and MICR2024. **Prohibitions:** MICR3912, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904 **Assessment:** One 2 hour exam, continuous assessment, practical work

This unit of study is designed to provide an understanding of the virulence mechanisms underlying microbial disease at the molecular level. The following topics will be covered: pathogenic processes and the molecular basis of adhesion, cell invasion and immune evasion in bacteria; bacterial and fungal toxins and their associated diseases; modern topics in microbiology using selected microbial pathogens as examples; and modern techniques in the analysis, diagnosis and prevention of microbial diseases.

Textbooks

Salyers A.A. and Whitt D.D. Bacterial Pathogenesis. A Molecular Approach. 2nd ed., ASM, 2002

MICR3912**Molecular Biology of Pathogens (Adv)**

Credit points: 6 **Teacher/Coordinator:** Dr D Carter **Session:** Semester 2 **Classes:** Two 1 hour lectures per week plus an additional six 1 hour lectures per semester. Six 5 hour practicals plus two prac-based tutorials. **Prerequisites:** At least 6 credit points of MBLG units and Distinction in MICR (2022 or 2022 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 or 2807 or 2808) with a Distinction in one of these three. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. **Prohibitions:** MICR3012, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904 **Assessment:** One 2 hour exam, in class theory assessment, continuous assessment, practical work, written or oral report on advanced lecture topics.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3012 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year.

Textbooks

Salyers A.A. and Whitt D.D. Bacterial Pathogenesis. A Molecular Approach. 2nd ed., ASM, 2002

MICR3022**Microbial Biotechnology**

Credit points: 6 **Teacher/Coordinator:** Dr A Holmes **Session:** Semester 2 **Classes:** Two 1 hour lectures per week and six 5 hour practicals. **Prerequisites:** At least 6 credit points of MBLG units and 6 credit points of Intermediate MICR units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 and 2807). For BScAgr students: PLNT (2001 or 2901)

and MICR2024. **Prohibitions:** MICR3922, MICR3002, MICR3902 **Assessment:** One 2 hour exam, continuous assessment, practical work, practical reports

This unit of study will cover both traditional microbial biotechnologies and the impact of new technologies on the emergence of new industries. Existing applications are based on empirical management of a remarkably small proportion of microbial diversity. The past ten years have seen dramatic advances in the capacity to explore microbial diversity and actively manage microbial communities. This course will focus on how these new techniques are creating new opportunities in biotechnology. General applications to be covered include production of metabolites or small molecules by microbial cultures (alcohols and antibiotics), production of macromolecules in microorganisms (protein expression and DNA manipulations), and management of microbial communities in biotechnology (gastrointestinal health, waste treatment and prospecting). Specific new techniques covered will include gene discovery via environmental metagenomics; microarrays and high throughput screening for isolation and recovery of producers of novel bioactive compounds.

Textbooks
To be advised

MICR3922

Microbial Biotechnology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr A Holmes **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour lectures per semester. Six 5 hour practicals. **Prerequisites:** At least 6 credit points of MBLG units and Distinction in 6 credit points of Intermediate MICR units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 and 2807) with a Distinction in at least one of these two. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. **Prohibitions:** MICR3022, MICR3002, MICR3902 **Assessment:** One 2 hour exam, in class theory assessment, continuous assessment, practical work, practical reports, written or oral report on advanced lecture topics.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3022 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year.

Textbooks
To be advised

VIRO3001

Virology

Credit points: 6 **Teacher/Coordinator:** Mrs Helen Agus **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; Five 2 hour tutorials and six 4 hour practicals per semester. **Prerequisites:** At least 6 credit points of MBLG units and at least 6 credit points in Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI or PLNT units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED2802. For BScAgr students: PLNT (2001 or 2901) and MICR2024. **Prohibitions:** VIRO3901 **Assumed knowledge:** MICR (2021 or 2921 or 2022 or 2922) **Assessment:** One 2 hour exam, practical work, group presentations

Note: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.

This unit of study is designed to introduce students who have a basic understanding of molecular biology to the field of virology. Through an examination of virus structure, genomes, replication and gene expression, viral infection in plant and animal cells is covered, progressing to examine host-virus interactions, pathogenesis, cell injury and prevention and control of infection in both eukaryotic and prokaryotic cells. Bacteriophage structure and infection of prokaryotic cells is also covered. The structure and replication of sub-viral agents: viroids and prions, and their role in disease and significance in the context of transmission via blood products are discussed. Detection of viral illness by serology and molecular techniques such as ELISA, Western blotting, PCR and sequencing will also be covered. The hands-on practical component is designed to enhance students' practical skills and to complement the lecture series by introducing students to cell culture, cytopathic effect, serology and molecular detection techniques. Tutorials and case studies will cover specific themes and problems.

Textbooks
To be advised

VIRO3901

Virology (Advanced)

Credit points: 6 **Teacher/Coordinator:** Mrs Helen Agus **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional five 1 hour lectures per semester; five 2 hour tutorials and six 4 hour practicals per semester. **Prerequisites:** At least 6 credit points of MBLG units and at least 6 credit points including one Distinction in Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI or PLNT units. For BMedSc students: 42 credit points of Intermediate BMED units including Distinction in BMED2802. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. **Prohibitions:** VIRO3001 **Assumed knowledge:** MICR (2021 or 2921 or 2022 or 2922) **Assessment:** One 2 and a half hour exam, continuous assessment, practical work, group presentations.

Note: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.

This unit is available to students who have performed well in Intermediate Microbiology and is based on VIRO3001 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year.

VIRO3002

Medical and Applied Virology

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Herring **Session:** Semester 2 **Classes:** One 2 hour lecture per week; one 2 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 6 CP MBLG units and at least 6 CP from Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI units. For BMedSc Students: 42 credit points of Intermediate BMED units including BMED2807. **Assumed knowledge:** Intermediate microbiology, immunology, molecular biology and genetics. **Assessment:** Formal examination, progressive assessment, presentation, 2000 word essay, practical assignment.

Note: Students are very strongly recommended to complete VIRO(3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Semester 2.

This unit of study explores the way viruses invade cells, infect individual patients and spread in the community. Host/Virus interactions will also be described with a focus on the viral mechanisms that have evolved to combat and/or evade host defence systems. These features will be used to explain the symptoms, spread and control of particular human diseases ranging from the common cold to HIV. The unit will be taught by the Infectious Diseases and Immunology Unit of the Department of Medicine with the involvement of associated clinical and research experts who will contribute lectures on their own special interests and with contributions from the discipline of Microbiology. In the practical classes students will have the opportunity to develop their skills in performing and interpreting the methods currently used in diagnostic and research virology. In the tutorials emerging problems as diverse as SARS and liver cancer will be analysed in the light of the concepts and knowledge being studied in the course.

Textbooks
Principles of Virology. SJ Flint et al. ASM Press. 2004. ISBN 1-55581-259-7

Microbiology Honours

During the Honours year, students will be involved in a research program to produce a thesis under the direction of a supervisor. A seminar at the end of the year will also be given to provide a summary of the research project. Students are also expected to broaden their general knowledge of Microbiology through attendance at research seminars and through a coursework component in their first semester which will cover diverse aspects of the subject. The coursework involves an essay as well as analysis of recently published papers in Microbiology. An expression of interest in Honours is required from students before the Honours year, on a form to be lodged with the Honours Coordinator. Entry into the Honours year is usually dependent on an average of Credit level performance in Senior Microbiology units of study. Additionally, strong students with related training may be admitted by permission of the Head of School.

Molecular Biology and Genetics

Molecular Biology and Genetics units of study in at Junior and Intermediate level will be taught by staff from the School of Molecular and Microbial Biosciences and the School of Biological Sciences. The Junior unit, MBLG1001, and the Intermediate unit, MBLG2071/2971, are coordinated by the School of Molecular and Microbial Biosciences,

while MBLG 2072/2972 is coordinated by the School of Biological Sciences.

MBLG1001

Molecular Biology and Genetics (Intro)

Credit points: 6 **Teacher/Coordinator:** Dr Dale Hancock **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight. **Prohibitions:** AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871 **Assumed knowledge:** 6 credit points of Junior Biology and 6 cp of Junior Chemistry **Assessment:** One 2.5 hour exam, in-semester skills test and assignments

The lectures in this unit of study introduce the "Central Dogma" of molecular biology and genetics -i.e., the molecular basis of life. The course begins with the information macro- molecules in living cells: DNA, RNA and protein, and explores how their structures allow them to fulfill their various biological roles. This is followed by a review of how DNA is organised into genes and chromosomes leading to discussion of gene expression (transcription and translation) and replication. The unit concludes with an introduction to the techniques of molecular biology and, in particular, how these techniques have led to an explosion of interest and research in Molecular Biology. The practical component complements the lectures by exposing students to experiments which explore the measurement of enzyme activity, the isolation of DNA and the 'cutting' of DNA using restriction enzymes. However, a key aim of the practicals is to give students higher level generic skills in computing, communication, criticism, data analysis/evaluation and experimental design.

Textbooks

Malacinski, G M The Essentials of Molecular Biology (4th edition, Jones and Bartlett, 2003)

MBLG1999

Molecular Biology & Genetics Seminar A

Session: Semester 2 **Classes:** Four 1 hour seminars per semester. **Corequisites:** MBLG1001 **Assessment:** There will be no assessment for this unit.

Note: Only available in the BSc(MBG)

This unit consists of four introductory molecular biology and genetics research based seminars.

MBLG2071

Molecular Biology and Genetics A

Credit points: 6 **Teacher/Coordinator:** Ms Vanessa Gysbers **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** MBLG1001 and 12 CP of Junior Chemistry. **Prohibitions:** MBLG2971, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 **Assessment:** One 2.5 hour exam, practical work, 2 assignments.

Note: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.

This unit of study extends the basic concepts introduced in MBLG1001 and provides a firm foundation for students wishing to continue in the molecular biosciences as well as for those students who intend to apply molecular techniques to other biological or medical questions. The unit explores the regulation of the flow of genetic information in both eukaryotes and prokaryotes. The central focus is on the control of replication, transcription and translation and how these processes can be studied and manipulated in the laboratory. Experiments in model organisms are provided to illustrate how the field has advanced, together with discussion of work carried out in human systems and the relevance to human genetic diseases. The tools of molecular biology are taught within the context of recombinant DNA-cloning - with an emphasis on essential knowledge required to use plasmid vectors to produce proteins from cloned genes, the use of genomic libraries, cDNA libraries, and methods for screening libraries. The methods of gene introduction (examples of transgenic plants and animals) are also discussed. Other techniques include PCR methodology and its use for cloning specific genes and detection of polymorphisms, separating DNA fragments by gel electrophoresis

and analysis of macromolecules by Southern, Northern & Western blotting. In the genomics section, topics include assigning genes to specific chromosomes, high resolution chromosome mapping, DNA markers, physical mapping of genomes as well as DNA and genome sequencing methods and international projects in genome mapping. The practical course complements the theory and builds on the skills learnt in MBLG1001. Specifically students will: use spectrophotometry for the identification and quantification of nucleic acids, explore the lac operon system for the investigation of gene expression control, perform PCR analysis as with MBLG1001, strong emphasis is placed on the acquisition of generic and technical skills.

Textbooks

Watson, J et al. Molecular Biology of the Gene (5th edition, Pearson, 2004)

MBLG2971

Molecular Biology and Genetics A (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Dale Hancock **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 12 credit points of Junior Chemistry and Distinction in MBLG1001 **Prohibitions:** MBLG2071, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 **Assessment:** One 2.5 hour exam, practical work, 2 assignments.

Note: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.

Extension of concepts presented in MBLG2771 which will be taught in the context of practical laboratory experiments.

Textbooks

Watson, J et al. Molecular Biology of the Gene (5th edition, Pearson, 2004)

MBLG2072

Molecular Biology and Genetics B

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 2-3 hour practical per week. One tutorial every second week. **Prerequisites:** BIOL (1001 or 1101 or 1901) and MBLG1001 and 12 credit points of Junior Chemistry **Prohibitions:** MBLG2972, MBLG2102, MBLG2002, MBLG2902 **Assumed knowledge:** One of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 **Assessment:** One 2 hour exam (50%), laboratory reports and quizzes (50%).

This unit of study builds on the concepts introduced in MBLG2071 and shows how modern molecular biology is being applied to the study of the genetics of all life forms from bacteria through to complex multicellular organism including plants, animals and humans. Lecture topics include classical Mendelian genetics with an emphasis on its molecular basis, cytogenetics, bacterial genetics and evolution, molecular evolution, bioinformatics and genomics, developmental genetics and the techniques and applications of molecular genetics. Practical: In laboratory exercises you will use a variety of prokaryotic and eukaryotic organisms to illustrate aspects of the lecture material, while developing familiarity and competence with equipment used in molecular techniques, microscopes, computers and statistical tests. Generic skills are developed in report writing, oral presentation, problem solving and data analysis. This is a core intermediate unit of study in the BSc (Molecular Biology and Genetics) degree program.

MBLG2972

Molecular Biology and Genetics B (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 2-3 hour practical per week. One tutorial every second week. **Prerequisites:** Distinction in one of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 **Prohibitions:** MBLG2072, MBLG2102, MBLG2002, MBLG2902 **Assessment:** One 2 hour exam (50%), laboratory reports and quizzes (50%).

Qualified students will participate in alternative components of MBLG2072, Molecular Biology and Genetics B. The content and nature of these components may vary from year to year.

MBLG3999

Molecular Biology & Genetics Seminar B

Session: Semester 2 **Classes:** Four 1 hour seminars (available by invitation only from MBLG program chair) **Assessment:** There will be no assessment for this unit.

*Note: Department permission required for enrolment .
Note: Only available in the BSc(MBG)*

This unit consists of four advanced molecular biology and genetics research based seminars.

Molecular Biotechnology

The following units of study are only available to students in the Bachelor of Science (Molecular Biotechnology) degree. Please consult degree information in chapter 4, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

MOBT2102

Molecular Biotechnology 2

Credit points: 6 **Teacher/Coordinator:** Dr Rachel Codd **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Junior Biology and 12 credit points of Junior Chemistry **Prohibitions:** MOBT2001 **Assessment:** One 2 hour theory exam (70%) and in-semester assessments (30%). NB Students must pass the theory exam to pass the unit overall.

Note: This unit of study is only available to students in the BSc (Molecular Biotechnology).

The main purpose of this unit of study is to introduce students to the core concepts of modern molecular biotechnology and build a base for future study in this discipline. It assumes students will have knowledge of Molecular Biology and Genetics through previous study of MBLG1001 and MBLG2771/2871 and concurrent study of MBLG2072/2972. It commences with an introduction to the biotechnology revolution and its impact worldwide. Students are then introduced to how large biomolecules are exploited in drug discovery with discussions of structural diversity in macromolecules, the construction of synthetic peptide and oligonucleotide combinatorial libraries, the uses and screening of such libraries in drug discovery together with examples from industry. This unit proceeds with considerations of the chemical synthesis of pharmaceuticals to specific drug targets. Structure-activity relationships, the use of biomolecules such as proteins versus natural products in drug design, the role of DNA as a drug target, and the importance of metals ions are all discussed together with case studies from industry. Issues associated with pharmaceutical stability and metabolism are then described. The unit concludes with an overview of the commercialization of discoveries in science with consideration given to the role of researchers, university and industry interactions, and regulatory and patent issues. This is followed by an appreciation of the societal impact and ethics of biotechnology, including how the industry and researchers interact with, and inform, the public. Guest lecturers will contribute to these presentations to help students develop an appreciation of emerging areas in molecular biotechnology from a broad perspective.

Textbooks

Molecular Biotechnology: Principles and Applications of Recombinant DNA, Bernard R. Glick and Jack J. Pasternak, 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

MOBT3101

Molecular Biotechnology 3A

Credit points: 6 **Teacher/Coordinator:** Dr. Neville Firth **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** MOBT2102 **Prohibitions:** MOBT2002 **Assumed knowledge:** MBLG (2072 or 2972). **Assessment:** One 2 hour theory exam (70%) and in-semester assessments (30%). Students must pass the theory exam to pass the unit overall.

Note: NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

This unit of study builds on MOBT 2102 and to expand concepts and applications of modern molecular biotechnology. It assumes students have previously been taught molecular biology and genetics through MBLG 2072/2972. It commences with the synthesis of commercial products by recombinant microorganisms, including small biological molecules, antibiotics, polymers, nucleic acids and proteins, then leads onto large-scale production of proteins from recombinant microorganisms. Students will be introduced to scaled-up microbial

growth and bioreactors, combined with typical large-scale fermentation systems and downstream processing. This will be broadened to an appreciation of yeast and mammalian cells in large-scale production. Examples of major protein-based therapeutics will be examined in detail. The unit introduces students to genome sequencing and technologies, and follows with the impact of proteomics in identifying new drug targets and therapeutics, its interplay with genomics, disease states, quantitative vs. qualitative profiles, and the role of bioinformatics in data and database management. The role of protein structure on function and the engineering of protein structures is briefly described. Agricultural and environmental biotechnology is introduced with a focus on promoting plant growth, the utilization of starch and cellulose, the application of enzymes in food processing, bioremediation strategies and green manufacturing technologies, and the impact heavy metals and pesticides on the environment. Issues facing start-up companies and the commercialization of discoveries complete the unit.

Textbooks

"Molecular Biotechnology: Principles and Applications of Recombinant DNA", Bernard R. Glick and Jack J. Pasternak, 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

MOBT3202

Molecular Biotechnology 3B Project

Credit points: 6 **Teacher/Coordinator:** A/Prof Kevin Downard **Session:** Semester 2 **Classes:** 75 hours industry related project over the semester **Prerequisites:** MOBT2002 or MOBT3101 **Prohibitions:** MOBT3002, MOBT3102 **Assessment:** Presentation, project report and essay

Note: This unit of study is only available to students in the BSc (Molecular Biotechnology).

This Senior unit of study builds on the knowledge gained in earlier units of modern molecular biotechnology. It emphasizes applications of molecular biotechnology including product design, research and development, and the importance of recognizing industry trends. This will typically involve an industry placement or a detailed industry case study, on-site visits, and interactions with industry partners in association with university staff. To maximize future opportunities, students will learn about funding and research and development. As well as industry-relevant experience, students will research biotechnology kits and technologies.

Textbooks

"Molecular Biotechnology: Principles and applications of Recombinant DNA", Bernard R. Glick and Jack J. Pasternak, 3rd edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

School of Molecular and Microbial Biosciences

The School brings together the disciplines of Biochemistry, Microbiology, Molecular Biotechnology and Nutrition, with separate study codes BCHM, MICR, MOBT [see Table IE for details of the BSc (Molecular Biotechnology)] and NUTR [see Table IF for details of the BSc (Nutrition)]. Significant contributions are also made to the Intermediate faculty units of study in Molecular Biology and Genetics with study code MBLG [see Table ID for details of the BSc (Molecular Biology and Genetics)] and to the units of study in Molecular Biotechnology [see Table IE for details of the BSc (Molecular Biotechnology)].

Location of unit descriptions

Unit descriptions are located under separate headings in this chapter: Biochemistry (BCHM); Microbiology (MICR); Molecular Biology and Genetics (MBLG); Molecular Biotechnology (MOBT); Molecular Biology and Genetics; Nutrition (NUTR).

Location

The School is located in the Biosciences Biochemistry and Microbiology Building (G08), across near City Road in the Darlington area behind the Wentworth Building.

Nanoscience and Technology

Nanoscience and Technology is an interdisciplinary major offered within the BSc. It is directed at students interested in understanding the emerging science of working and building at and near the molecular level. It incorporates study of the fundamental sciences in order to understand the structure of matter, as well as technological elements of the mechanical properties of materials. Students undertaking this major are strongly encouraged to take suitable units from the Faculty of Engineering in combination with Physics and Chemistry.

Majoring in Nanoscience and Technology

A student seeking to complete this major should study Physics and Chemistry in their Junior and Intermediate years together with some Engineering and Mathematics. In the Senior year it is possible to focus on two of the three discipline areas, or to continue to study elements of all three. This major may also be seen as a complement to a traditional major in Chemistry or Physics. Refer to Table 1 for an enrolment guide and to entries under the contributing schools and departments for unit descriptions. Engineering units are described in the Engineering Handbook.

Neuroscience

Neuroscience encompasses a diverse range of disciplines that cross traditional subject boundaries. The study of Neuroscience ranges from anatomy to neuronal function; the cellular and molecular biology of the neuron to the complex phenomena of perception; emotion and memory; from the regulation of breathing and blood pressure to movement; developing to ageing; normal cognition to neurodegeneration.

Majoring in Neuroscience

A major in Neuroscience is designed to provide a foundation in the basic biology of the brain as well as the fundamentals of cognition. Students are able to focus their cross-disciplinary studies with a molecular, cellular, anatomical and behavioural concentration. Refer to Table 1 for an enrolment guide and to entries in specific subject areas for Unit of Study descriptions. A cross-disciplinary major requires careful selection of subjects to fulfill the requirements of the major. Research in Neuroscience is vibrant and an international priority area.

Research in Neuroscience

There are many opportunities for high-achieving students to undertake honours study within the field of Neuroscience. Honours projects are typically undertaken within individual departments: Physiology, Anatomy, Pharmacology, Psychology, Pathology and associated institutes. Students should canvass respective departments during their senior studies for details of projects, admission criteria and enrolment details.

Neuroscience Coordinator

Dr Karen Cullen (Anatomy) is the co-ordinator for the Neuroscience major. Dr Cullen's contact email address is: kcullen@anatomy.usyd.edu.au

Nutrition

The Human Nutrition Unit in the School of Molecular and Microbial Biosciences offers units of study to students enrolled in the Bachelor of Science (Nutrition) degree. Please consult degree information in chapter 4 and Table 1F entries. Check the relevant Department/school entries in this chapter for descriptions of other units of study required for this degree.

NUTR2911

Food Science Introductory (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 2.5 hour practical per week. **Prerequisites:** MBLG1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Prohibitions:** NUTR2901

Assessment: One 3 hour exam, one 1 hour theory of practical exam, one assignment and 4 quizzes.

This unit of study aims to give a broad appreciation of foods as commodities; that is, the origin, history, cultural and nutritional importance of the major foods for human use. Further, aspects of food processing and cooking that affect the nutritional quality of these foods will be discussed. Food groups covered include animal foods, seafood, cereals, sugars, fats and oils, dairy products, legumes, nuts, vegetables, fruits, herbs and spices and alcohol. Topics in food science and technology include the principles of food preservation, aspects of the preparation and processing of cereals, dairy products, fats and oils, sugars and starches and meats. Food legislation is discussed as well as food additives, naturally occurring toxicants in foods, food pollutants, food safety, food hygiene and food microbiology. Practical classes investigate the nutritional and physical composition of food commodities, and demonstrate their behaviour and functional properties during normal culinary processes.

Textbooks

Charley H & Weaver C, *Foods: A Scientific Approach* 3rd Edition, Prentice Hall Inc.: New Jersey, 1998.

English R & Lewis J, *Nutritional values of Australian Foods*, AGPS: Canberra. Mann J & Truswell AS, *Essentials of Human Nutrition*, Oxford University Press: Oxford. 3rd Edition 2006.

NUTR2912

Nutritional Science Introductory (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2.5 hour practical per week. **Prerequisites:** MBLG1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Prohibitions:** NUTR2902 **Assumed knowledge:** NUTR2911 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment.

Information about the major nutrients, vitamins, the major and trace elements is presented with respect to food sources, consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency states and the consequences of excess intakes. Practical classes cover aspects of food analysis of the student's own diet. The practicals are designed to give students hands-on experience in the determination of major and minor nutrients in foods using procedures and instrumentation used in food research and analytical laboratories. The data obtained in the laboratory will be compared with that obtained with reference to published data in food composition tables. Students will gain an appreciation of the limitations of both methods of data collection and will become competent in the use and interpretation of food composition software packages.

Textbooks

Proudlove RK, *The Science and Technology of Foods*, Forbes: London, 1985. English R and Lewis J, *Nutritional values of Australian Foods*, AGPS: Canberra. Mann J and Truswell AS, *Essentials of Human Nutrition*, Oxford University Press: Oxford. 3rd Edition, 2006.

NUTR3911

Nutritional Assessment Methods

Credit points: 6 **Teacher/Coordinator:** Dr Karen Webb **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** 1 assignment, 3 practical reports, 3 tutorial papers

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.

NUTR3912

Community and Public Health Nutrition

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis. **Session:** Semester 2 **Classes:** One 3 hour lecture and one 2 hour practical per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 1 hour exam, 3 assignments

This unit of study covers topics such as nutrition through the Life cycle from infancy to old age; nutrition in vulnerable groups such as low income groups, indigenous populations and homeless youth and theories of food habits It helps students gain skills and knowledge in planning, implementing and evaluating nutrition health promotion programs for various population groups. Topics covered include, principles of health promotion, effective nutrition promotion strategies, program evaluation and program planning. It also looks at current public health nutrition strategies for promoting health and preventing diet related diseases. The delivery of material involves lectures, tutorials and workshops.

Textbooks

Hawe P, Degeling D and Hall J. Evaluating Health Promotion: A health worker's guide. McLennan and Petty, 1990. ISBN: 086 4330677.
Germov J and Williams L (Editors). A Sociology of Food and Nutrition (The Social Appetite). 2nd Edition, Oxford University Press, 2004. ISBN: 019550609.
Mann J & Truswell AS, Essentials of Human Nutrition. Oxford University Press, 2002. ISBN: 0-19-262756-2.

NUTR3921

Methods in Nutrition Practice

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 1 **Classes:** One 2 hour lecture and one 3 hour practical per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** One 2 hour exam

Basic concepts in nutritional epidemiology, advantages and limitations of epidemiological methods; biological markers of chronic disease; use of biostatistical tools in epidemiology; critical interpretation of published data. Survey questionnaire design and statistics.

Textbooks

Beagolehole, R, Bonita, R, Kjellstrom, T, Basic Epidemiology, World Health Organisation, Geneva, 2003, ISBN 924154465
Gibso, R, Principles of Nutritional Assessment, 2nd Ed., Oxford University Press, New York, 2005.

NUTR3922

Nutrition and Chronic Disease

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 2 **Classes:** One 3 hour lecture and one 2 hour workshop per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2 hour exam, 2 assignments

This unit of study examines the relationship and evidence for the role of nutrition in the etiology of chronic diseases such as cancer, coronary heart disease, hypertension, obesity, dental caries and osteoporosis. It also investigates the current nutrition policies and guidelines that are aimed at preventing these diseases at a population level. These include National Dietary Guidelines, Recommended Dietary Intakes, food legislation and Commonwealth and State food policies. Students will also get an opportunity to examine the current popular fad diets on the market. There is also a section on developing communication skills for promoting positive nutrition messages using the media. The delivery of material involves lectures, tutorials and workshops.

Textbooks

Mann J & Truswell AS, Essentials of Human Nutrition. Oxford University Press, 2002. ISBN: 0-19-262756-2.
Bauer K and Sokokil C. Basic Nutrition Counselling Skills. Wadsworth, 2002. ISBN: 0727 916645.

Nutrition Honours

The coordinators for Nutrition Honours are Associate Professor S Samman and Ms Beth Rohrlach. Students who have completed the three year Bachelor (Nutrition) may complete an honours year in either

the clinical strand, or by research. Students who want accreditation as a dietitian will need to complete the clinical strand.

Clinical Nutritional Science and Dietetics

Students in this strand enrol in and complete: NUTR4001 Clinical Nutritional Science A; NUTR4002 Clinical Nutritional Science B. The contact hours per week are a minimum of 15 and during intensive practicals will be 35. With problem based learning it is expected that a student will need to spend minimum of 20 h in self-directed learning. At the completion of this course students will be able to describe the pathophysiology and biochemistry of disease processes where nutrition is an important part of prevention and/or treatment and will be able to construct appropriate treatment regimes and prevention strategies for these diseases using their nutritional science knowledge.

Nutrition Research

Students in this strand enrol in and complete: NUTR 4101 Nutrition Research A; NUTR 4102 Nutrition Research B; NUTR 4103 Nutrition Research C; NUTR 4103 Nutrition Research D; Students will be involved in full-time research under the supervision of a staff member within the Human Nutrition Unit or a cognate department. During the year, students will be required to: (i) carry out a supervised research project; (ii) present a written project proposal and present orally a brief literature survey and aims of the project; (iii) write an essay based on the project; and (iv) deliver a seminar on the project. Students will prepare a project proposal, which should outline the aims, significance and background of the project, including an indication of the relationship of the project to the work of others, citing key references (not to be included in the 1000 word limit) where appropriate. A brief outline of methods and techniques to be used.

Pharmacology

This Department offers a general training in Pharmacology to students in the Faculty of Science. It provides three intermediate 6-credit point units of study and eight senior 6-credit point units of study.

PCOL2011

Pharmacology Fundamentals

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; tutorials and laboratory sessions. **Prerequisites:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology or MBLG1001. **Prohibitions:** PCOL2001 **Assessment:** One 2 hour exam, in semester quizzes and reports.

This unit of study examines four basic areas in Pharmacology: (1) principles of drug action (2) pharmacokinetics and drug metabolism (3) autonomic and endocrine pharmacology, and (4) drug design. The delivery of material involves lectures, practicals, computer-aided learning and problem-based tutorials. Practical classes provide students with the opportunity of acquiring technical experience and teamwork skills. Problem-based tutorials are based on real-life scenarios of drug use in the community. These tutorials require students to integrate information obtained in lectures in order to provide solutions to the problems. Online quizzes accompany each module for self assessment.

Textbooks

Rang HP, Dale MM, Ritter JM & Moore PK, Pharmacology. 5th edn, Churchill Livingstone, 2003.
Study aid:
Neal MJ, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002
Reference books
Goodman and Gilman's The Pharmacological Basis of Therapeutics 10th edn, editors JG Hardman, LE Limbird, 2001.
Patrick GL, An Introduction to Medicinal Chemistry 2nd edn, Oxford Uni press, 2001.

PCOL2012

Pharmacology: Drugs and People

Credit points: 6 **Teacher/Coordinator:** Dr B McParland **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; tutorials and laboratory sessions. **Prerequisites:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology or MBLG1001. **Prohibitions:** PCOL2002, PCOL2003 **Assumed knowledge:** PCOL2011 **Assessment:** One 2 hour exam, in semester quizzes, reports.

This unit of study examines four important areas of Pharmacology: (1) drug action in the nervous system (2) drug discovery and development (3) pharmacotherapy of inflammation, allergy and gut disorders, and (4) drugs of recreation, dependence and addiction. The delivery of material involves lectures, practicals, computer-aided learning and problem-based tutorials. Practical classes provide students with the opportunity of acquiring technical experience and teamwork. Problem-based tutorials are based on real-life scenarios of drug use in the community. These tutorials require students to integrate information obtained in lectures in order to provide solutions to the problems. Online quizzes accompany each module.

Textbooks

Rang HP, Dale MM, Ritter JM & Moore PK, Pharmacology. 5th edn, Churchill Livingstone, 2003.

Study aid:

Neal MJ, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Goodman and Gilman's The Pharmacological Basis of Therapeutics 10th edn, editors JG Hardman, LE Limbird, 2001.

PCOL2555

Essentials of Pharmacology

Credit points: 6 **Session:** Summer Main **Classes:** On-line lectures and face-to-face tutorial and laboratory classes. **Prohibitions:** PCOL2011, PCOL2012 **Assumed knowledge:** 6cp of Junior Biology, 6 cp of junior Chemistry. **Assessment:** on-line quizzes and a final examination

This unit of study introduces students to the principles of drug action and allows them to develop an understanding of the therapeutic applications of drugs based on their underlying pharmacodynamic properties. It covers cardiovascular and renal drugs, chemotherapy, analgesics and anti-inflammatory agents, respiratory and gastro-intestinal drugs, drugs affecting peripheral and central neurotransmission and the principles of chemotherapy.

PCOL3011

Toxicology

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2001 or PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3911 **Assessment:** One 2 hour exam, in class quizzes, assignments.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the discipline of toxicology. The unit considers the toxicology associated with therapeutic drugs (adverse drug reactions) and the associated issue of drug interactions. The pharmacogenetic basis of adverse reactions is also considered. The unit also considers aspects of environmental toxicology, particularly toxic reactions to environmental agents such as asbestos and pesticides. As part of the unit students are introduced to basic ideas about the collection and analysis of data from human populations, both in the structured situation of clinical trials and in analysis of retrospective data.

Textbooks

Klaasen, Curtis D. (2001) Casarett and Doull's Toxicology. 6th edition. McGraw Hill.

PCOL3911

Toxicology (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or Distinction average in 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3011 **Assessment:** One 2 hour exam, in class quizzes, assignments.

This unit will consist of the lecture and practical components of PCOL3011. Students will be set special advanced assignments related to the material covered in core areas. These may also involve advanced practical work or detailed investigation of a theoretical problem.

Textbooks

Klaasen, Curtis D. (2001) Casarett and Doull's Toxicology. 6th edition. McGraw Hill.

PCOL3012

Drug Design and Development

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2001 or PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3912 **Assessment:** One 2 hour exam, in class quizzes, assignments.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the field of medicinal chemistry associated with drug design, development and registration. It covers the main aspects of drug discovery and development by outlining the main considerations, and illustrates these using examples which include COX-2 inhibitors, statins, and viagra. The role of computers in drug design is emphasised by classwork and assignments on molecular modelling and structure-activity relationships. The course also extends to a section on the design of diverse pharmacological agents which include compounds for imaging by positron emission tomography (PET), as well as chemical and biological warfare agents, and riot control agents.

Textbooks

Patrick, Graham L. (2005) An Introduction to Medicinal Chemistry. 3rd edition. Oxford University Press.

PCOL3912

Drug Design and Development (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or Distinction average in 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3012 **Assessment:** One 2 hour exam, in class quizzes, assignments.

This unit will consist of the lecture and practical components of PCOL3012. Students will be set special advanced assignments related to the material covered in core areas. These may also involve advanced practical work or detailed investigation of a theoretical problem.

Textbooks

Patrick, Graham L. (2005) An Introduction to Medicinal Chemistry. 3rd edition. Oxford University Press.

PCOL3021

Drug Therapy

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3921 **Assessment:** One 2 hour exam, in class quizzes, assignments

This unit of study is designed to introduce students with a basic understanding of pharmacology to the theory and practice of drug therapy in the treatment of major disorders such as asthma, cancer and hypertension.

Textbooks

H.P. Rang, M.M. Dale, J.M. Ritter and P.K. Moore: Pharmacology, 5th edn (Churchill Livingstone, 2003)

PCOL3921

Drug Therapy (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or in 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3021 **Assessment:** One 2 hour exam, in class quizzes, assignments

Advanced students will complete the same core lecture material as students in PCOL3021 but carry out advanced level elective projects, practicals and tutorials.

Textbooks

H.P. Rang, M.M. Dale, J.M. Ritter and P.K. Moore: Pharmacology, 5th edn (Churchill Livingstone, 2003)

PCOL3022

Neuropharmacology

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2011, PCOL2012 or 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002,

PCOL3902, PCOL3922 **Assessment:** One 2 hour exam, in-classes quizzes, assignments.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the theory and practice of neuropharmacology in the treatment of neurological disorders such as Alzheimer's disease, epilepsy, depression, insomnia, pain, schizophrenia and stroke.

Textbooks

H.P. Rang, M.M. Dale, J.M. Ritter and P.K. Moore: Pharmacology, 5th edn (Churchill Livingstone, 2003).

PCOL3922

Neuropharmacology (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or in 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3022 **Assessment:** 2 lectures per week, 3 tutorials/practicals per week

Advanced students will complete the same core lecture material as PCOL3022 Neuropharmacology but carry out advanced level elective projects, practicals and tutorials.

Textbooks

As for PCOL3022

Pharmacology Honours

Subject to a satisfactory standard being attained in Pharmacology, a student may arrange to read for the Honours degree in this subject area. Much of the work will be arranged to suit the interest of the individual. The student will participate in a research project in progress in the Discipline. A research plan, literature review and a 50-page thesis on the research project must be prepared. Seminars on the literature review, the project and another chosen topic will be given by the student.

Physics

The School of Physics provides undergraduate units of study in Physics at Junior, Intermediate, Senior and Honours levels. Appropriate unit of study choices are available for candidates who wish to major in Physics, to proceed to Honours in Physics, or to combine Physics with a major in another subject area. Several other Faculties and Departments within the Faculty of Science require that Junior Physics be taken as part of the students' preparation for later studies in their more specialised fields. Similarly, Intermediate Physics units of study are taken by many Faculty of Engineering students, as well as by many Faculty of Science students who intend to major in other subjects. The School of Physics also provides units of study in Computational Science at Junior, Intermediate, Senior and Honours levels. For details see the Computational Science entry.

Location

Physics Junior units of study: lectures in Physics Building, laboratories in Carslaw Building. Physics Intermediate, Senior and Honours units of study: Physics Building.

Information

On noticeboards in the Physics Building as appropriate for each unit of study and outside the Physics Student Support Office (Room 202, ground floor, Physics Building), and also at the School of Physics website: www.physics.usyd.edu.au.

Registration

Junior units of study: In assigned laboratory sessions during the second week of each semester. Intermediate units of study: At first lecture, in the Physics Building. Senior units of study: At first lecture, in the Physics Building.

Advice on units of study

A member of the Physics staff is normally present among Faculty advisers during enrolment week to advise students. The Physics Student Support Office, Room 202, Physics Building, will arrange for students to meet advisers at other times. Further information about

the School of Physics and its teaching program are available at www.physics.usyd.edu.au and on WebCT.

Physics junior units of study

There are seven different semester length units of study offered at the Junior level. Completion of one unit of study in each semester provides a solid foundation for further studies in Physics in higher years. PHYS1500 Astronomy cannot be counted towards the 12 credit points of Junior Physics needed as a prerequisite for Intermediate Physics. Each unit of study has a laboratory component. The first semester laboratory work provides an introduction to experimental techniques while reinforcing concepts of physics introduced in lectures. In second semester the laboratory work provides an introduction to electrical circuits and offers students the opportunity to design and undertake short experimental projects.

First semester

PHYS1001 (Regular); PHYS1002 (Fundamentals); PHYS1901 (Advanced)

Second semester

PHYS1003 (Technological); PHYS1004 (Environmental and Life Sciences); PHYS1902 (Advanced); PHYS1500 (Astronomy)

Information Booklet

Further information about Junior Physics units of study is contained in a booklet for intending commencing students available at enrolment or during O-Week or from the Physics Student Support Office (Room 202, ground floor, Physics Building (A28)). It is also available on the School of Physics website at www.physics.usyd.edu.au

PHYS1001

Physics 1 (Regular)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) **Prohibitions:** PHYS1002, PHYS1901 **Assumed knowledge:** HSC Physics **Assessment:** Laboratory (20%), assignments (10%), progressive test (5%), skills test (5%), examination (60%)

This unit of study is for students who gained 65 marks or better in HSC Physics or equivalent. The lecture series contains three modules on the topics of mechanics, thermal physics, and oscillations and waves.

Textbooks

Young & Freedman. University Physics. 11th edition, Addison-Wesley. 2004
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS1002

Physics 1 (Fundamentals)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) **Prohibitions:** PHYS1001, PHYS1901 **Assumed knowledge:** No assumed knowledge of Physics **Assessment:** Laboratory (20%), assignments (10%), progressive tests (10%), examination (60%).

This unit of study is designed for students who have not studied Physics previously or scored below 65 in HSC Physics. The lecture series contains modules on the language of physics, mechanics, and oscillations and waves.

Textbooks

Hecht, E. Physics: Calculus, 2nd edition, Brooks/Cole 2000
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS1003

Physics 1 (Technological)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1hr lectures, one 3hr laboratory, one 1 hr tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). **Prohibitions:** PHYS1004, PHYS1902 **Assumed knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Assessment:** Laboratory (25%), assignments (10%), examination (65%)

Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

This unit of study is designed for students majoring in physical and engineering sciences and emphasis is placed on applications of physical principles to the technological world. The lecture series contains modules on the topics of fluids, electromagnetism, and quantum physics.

Textbooks

Young & Freedman. University Physics, 11th edition, Addison-Wesley. 2004
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS1004

Physics 1 (Environmental & Life Science)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). **Prohibitions:** PHYS1003, PHYS1902 **Assumed knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Assessment:** Laboratory (25%), assignments (10%), examination (65%)

Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

This unit of study has been designed specifically for students interested in further study in environmental and life sciences. The lecture series contains modules on the topics of properties of matter, electromagnetism, and radiation and its interactions with matter.

Textbooks

Hecht, E. Physics: Calculus, 2nd edition, Brooks/Cole 2000.
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS1500

Astronomy

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 2 hour laboratory and one 1 hour tutorial per week. **Assumed knowledge:** No assumed knowledge of Physics. **Assessment:** Laboratory (25%), essay (15%), tutorials (5%), night viewing project (5%), examination (50%)

This unit of study provides a broad understanding of the structure, scale and diversity of the universe and an appreciation of the scientific methods used to achieve this understanding. Current areas of investigation, new ideas and concepts which often receive wide media attention will be used to demonstrate how science attempts to understand new and remote phenomena and how our ideas of our place in the universe are changing. The range of topics includes the planets, the solar system and its origin, spacecraft discoveries, stars, supernovas, black holes, galaxies, quasars, cosmology and the Big Bang. It also includes day and night sky observing sessions. This unit of study cannot be counted as part of the 12 credit points of Junior Physics necessary for enrolment in Intermediate Physics.

Textbooks

Seeds MA. Horizons: Exploring the Universe. 9th edition, Brooks/Cole 2005
Astronomy Computer Exercises - School of Physics Publication.

PHYS1901

Physics 1A (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Prerequisites:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS1902, or Distinction or better in PHYS (1003 or 1004) or an equivalent unit. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901,1002/1902). **Prohibitions:** PHYS1001, PHYS1002 **Assessment:** Laboratory (20%), assignments (10%), progressive test (5%), skills test (5%), examination (60%)

This Unit of Study is intended for students who have a strong background in Physics and an interest in studying more advanced topics. It proceeds faster than Physics 1 (Regular), covering further and more difficult material. The lecture series contains modules on the topics of mechanics, thermal physics, oscillations and waves, and chaos. The laboratory work also provides an introduction to computational physics using chaos theory as the topic of study.

Textbooks

Young and Freedman. University Physics, 11th edition, Addison-Wesley. 2004.
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS1902

Physics 1B (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Prerequisites:** UAI of at least

96, or HSC Physics result in Band 6, or PHYS1901, or Distinction or better in PHYS (1001 or 1002) or an equivalent unit. **Corequisites:** Recommended concurrent unit of study: MATH (1003/1903), MATH (1005/1905). **Prohibitions:** PHYS1003, PHYS1004 **Assessment:** Laboratory (25%), assignments (10%), examination (65%).

Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

This unit of study is a continuation of Physics 1A (Advanced). Students who have completed PHYS1001 or PHYS1002 at Distinction level may enrol. It proceeds faster than Physics 1 (Technological), covering further and more difficult material. The lecture series contains modules on the topics of fluids, electricity and magnetism, and quantum physics.

Textbooks

Young & Freedman. University Physics, 11th edition, Addison-Wesley. 2004.
Experimental Physics Laboratory Manual - School of Physics Publication.

Physics intermediate units of study

Coordinator

Dr Gordon Robertson

Units of Study

There are three units at the Normal level and three at the Advanced level: PHYS2011/2911 Physics 2A (Normal/Advanced) - Semester 1; PHYS2012/2912 Physics 2B (Normal/Advanced) - Semester 2; PHYS2013/2913 Astrophysics and Relativity (Normal/Advanced) - Semester 2.

Students intending to major in Physics

Students intending to major in Physics are strongly encouraged to take all three. The Advanced versions can be taken by students who have achieved a Credit or better in their previous Physics units.

Progression to senior Physics

The prerequisites for Senior Physics units are PHYS2011/2911 and PHYS2012/2912. Students intending to major in Physics are strongly encouraged to take PHYS2013/2913 as well. Full details of Intermediate Physics unit of study structures, content and assessment policies are provided in the unit of study handbooks available at the start of semester on the School of Physics website at www.physics.usyd.edu.au and also on WebCT.

PHYS2011

Physics 2A

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week for 11 weeks; one 2 hour computational laboratory and one 3 hour laboratory per week for 9 weeks. **Prerequisites:** 12 credit points of Junior Physics (excluding PHYS1500 and PHYS1600) **Prohibitions:** PHYS2001, PHYS2901, PHYS2911, PHYS2101, PHYS2103, PHYS2213, PHYS2203 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful **Assessment:** One 2 hour exam, one 1 hour computational test, practical work, practical report and oral presentation

In combination with two semesters of Junior Physics, this unit of study continues a first pass through the major branches of classical and modern physics, providing students with a sound basis for later Physics units or for studies in other areas of science or technology. Hence this unit suits students continuing with the study of physics at the general Intermediate level, and those wishing to round out their knowledge of physics before continuing in other fields. The major topics in this unit of study are: Optics: The wave nature of light, and its interactions with matter. Applications including spectroscopy and fibre optics. Nuclear Physics: The fundamental structure of matter. Computational Physics: In a PC-based computing laboratory students use simulation software to conduct virtual experiments in optics, which illustrate and extend the relevant lectures. Students also gain experience in the use of computers to solve problems in physics. An introductory session is held at the beginning of semester for students who are not familiar with personal computers. Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of optics, nuclear decay and particles, properties of matter, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students prepare a short report on one experiment and make an oral presentation on it.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole
Experimental Physics Notes, published by the School of Physics.

PHYS2012

Physics 2B

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures per week; one 2 hour computational laboratory per week for 11 weeks. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) **Prohibitions:** PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2912, PHYS2213, PHYS2203 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful **Assessment:** One 3 hour exam, one 1 hour computational test

This unit of study is designed for students continuing with the study of physics at the general Intermediate level, and represents the beginning of a more in-depth study of the main topics of classical and modern physics. The lecture topics are: Quantum physics: The behaviour of matter and radiation at the microscopic level, modelled by the Schrodinger equation. Application to 1-dimensional systems including solid state physics. Electromagnetic properties of matter: Electric and magnetic effects in materials; the combination of electric and magnetic fields to produce light and other electromagnetic waves; the effects of matter on electromagnetic waves. Computational Physics: The computational physics component is similar to that of PHYS2011, except that the material illustrates topics in the quantum physics module.

Textbooks

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole

PHYS2013

Astrophysics and Relativity

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week for 11 weeks and one 3 hour laboratory per week for 12 weeks. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2011 or 2911) **Corequisites:** PHYS (2012 or 2912) **Prohibitions:** PHYS2001, PHYS2901, PHYS2913, PHYS2101, PHYS2103 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful **Assessment:** One 2 hour exam, practical work, practical report and oral presentation

This unit of study builds on the foundation provided by Junior Physics and first semester of Intermediate Physics, to provide an introduction to Astrophysics (Structure and evolution of stars), and Special Relativity (Space and time at high velocities). Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of analysis of stellar images, electromagnetic phenomena, electronic instrumentation, quantum physics, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students may work in teams on a project. Students prepare a written report and oral presentation on their project or one experiment.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Tango, Introduction to Stellar Astrophysics, published by the School of Physics
Experimental Physics Notes, published by the School of Physics
Other texts to be advised

PHYS2911

Physics 2A (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week for 11 weeks; one 2 hour computational laboratory and one 3 hour laboratory per week for 9 weeks. **Prerequisites:** Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). **Prohibitions:** PHYS2901, PHYS2001, PHYS2011, PHYS2101, PHYS2103, PHYS2213, PHYS2203 **Assumed knowledge:** MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful **Assessment:** One 2 hour exam, one 1 hour computational test, practical work, practical report and oral presentation

This unit of study is designed for students with a strong interest in Physics. The lecture topics are as for PHYS2011. They are treated in greater depth and with more rigorous attention to derivations than in PHYS2011. The assessment reflects the more challenging nature of the material presented. Computational Physics: As for PHYS2011,

but at a more advanced level. Practical: As for PHYS2011, but at a more advanced level.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole
Experimental Physics Notes, published by the School of Physics.

PHYS2912

Physics 2B (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures per week; one 2 hour computational laboratory per week for 11 weeks. **Prerequisites:** Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). **Prohibitions:** PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2012, PHYS2213, PHYS203 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful **Assessment:** One 3 hour exam, one 1 hour computational test

Refer to PHYS2911 for an overall description of the Advanced Intermediate Physics program. The lecture topics are as for PHYS2012. Computational Physics: As for PHYS2012, but at a more advanced level.

Textbooks

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole

PHYS2913

Astrophysics and Relativity (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** Two 1 hour lecture per week for 11 weeks; one 3 hour laboratory per week for 12 weeks. **Prerequisites:** Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2011 or 2911) **Corequisites:** PHYS (2912 or 2012). **Prohibitions:** PHYS2001, PHYS2901, PHYS2013, PHYS2101, PHYS2103 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Assessment:** One 3 hour exam, practical work, practical report and oral presentation

This unit of study builds on the foundation provided by Junior Physics and first semester of Intermediate Physics, to provide an introduction to Astrophysics (Structure and evolution of stars), and Special Relativity (Space and time at high velocities). The material for the advanced unit is treated with more depth and more rigorous attention to derivations than in PHYS2013. Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of analysis of stellar images, electromagnetic phenomena, electronic instrumentation, quantum physics, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students may work in teams on a project. Students prepare a written report and oral presentation on their project or one experiment.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Tango, Introduction to Stellar Astrophysics, published by the School of Physics
Experimental Physics Notes, published by the School of Physics

Physics senior units of study

Coordinator

Associate Professor Tim Bedding

Majoring in Physics

Students intending to major in Physics, or to proceed to Physics Honours, must take at least 24 credit points of Senior Physics, which must include a Semester 1 Core unit (PHYS3040, 3940 or 3941); a Semester 2 Core unit (PHYS3060, 3960 or 3961); two Options units (usually one in each semester). Further information concerning Senior Physics is available via www.physics.usyd.edu.au.

PHYS3015

Topics in Senior Physics A

Credit points: 6 **Session:** Semester 1 **Classes:** 40 per semester. **Prerequisites:** 12 credit points of Intermediate Physics **Assumed knowledge:** 6 credit points of Intermediate Mathematics **Assessment:** Exams and/or laboratory reports.

Note: Department permission required for enrolment.

This unit is normally restricted to students not majoring in Physics, giving them the flexibility to take a combination of modules that is not offered in the standard units. Please obtain permission from the Senior Physics Coordinator.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the website
<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS3915

Topics in Senior Physics A (Advanced)

Credit points: 6 **Session:** Semester 1 **Classes:** 40 hours per semester
Prerequisites: 12 credit points of Intermediate Physics. **Assumed knowledge:** 6 credit points of Intermediate Mathematics **Assessment:** Exams and/or laboratory reports.

Note: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3015, with some more challenging material.

PHYS3025

Topics in Senior Physics B

Credit points: 6 **Session:** Semester 2 **Classes:** 40 hours per semester.
Prerequisites: 12 credit points of Intermediate Physics **Assumed knowledge:** 6 credit points of Intermediate Mathematics **Assessment:** Exams and/or laboratory reports.

Note: Department permission required for enrolment.

This unit is normally restricted to students not majoring in Physics, giving them the flexibility to take a combination of modules that is not offered in the standard units. Please obtain permission from the Senior Physics Coordinator.

PHYS3925

Topics in Senior Physics B (Advanced)

Credit points: 6 **Session:** Semester 2 **Classes:** 40 hours per semester
Prerequisites: 12 credit points of Intermediate Physics with a Credit average and 6 credit points of Intermediate Mathematics. **Assessment:** Exams and/or laboratory reports.

Note: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3025, with some more challenging material.

PHYS3040

Electromagnetism & Physics Lab

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen lectures, twelve 4 hour practicals per semester **Prerequisites:** PHYS(2011 or 2911 or 2001 or 2901), PHYS(2012 or 2912 or 2002 or 2902), MATH(2061 or 2961 or 2067) **Prohibitions:** PHYS3940, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917 **Assessment:** One 1.5 hour exam, practical reports and oral presentation

The lectures cover the theory of electromagnetism, one of the cornerstones of classical physics. They introduce Maxwell's equations in their differential form, using the power of vector calculus. The main application will be to electromagnetic waves, including reflection and absorption, which have application in fields such as optics, plasma physics and astrophysics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

Textbooks

Introduction to Electrodynamics (Third Edition) by David J Griffiths

PHYS3940

Electromagnetism & Physics Lab (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen 1 hour lectures and twelve x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with a grade of at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with a grade of at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3040, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917 **Assessment:** One 1.5 hour exam, practical reports and oral presentation

This unit covers the same topics as PHYS3040, but with greater depth and some more challenging material.

Textbooks

Introduction to Electrodynamics (Third Edition) by David J. Griffiths

PHYS3941

Electromagnetism & Special Project (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen lectures per semester, 3.5 hours per week in School of Physics **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3040, PHYS3940, PHYS3961, PHYS3011, PHYS3911, PHYS3918, PHYS3928 **Assessment:** One 1.5 hour exam, project report and talk

Note: Department permission required for enrolment.

Note: Approval for this unit must be obtained from the School of Physics Senior Coordinator.

The lectures cover the theory of electromagnetism, one of the cornerstones of classical physics. They introduce Maxwell's equations in their differential form, using the power of vector calculus. The main application will be to electromagnetic waves, including reflection and absorption, which have application in fields such as optics, plasma physics and astrophysics. The project is carried out in a research group within the School of Physics, working on a research experiment or theoretical project supervised by a researcher. The aim is for students to acquire an understanding of the nature of research, to apply their knowledge of physics and scientific practice, and to serve as preparation for a research project at Honours level and beyond.

Textbooks

Introduction to Electrodynamics (Third Edition) by David J. Griffiths

PHYS3051

Thermodynamics/Biol. Physics & Lab

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 2 hour exam, practical reports

The lectures on Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of statistical mechanics. The Biological Physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, and computer simulations of biological systems. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3951

Thermodynamics/Biol. Physics & Lab (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 2 hour exam, practical reports

This unit covers the same topics as PHYS3051, but with greater depth and some more challenging material.

PHYS3054

Nanoscience/Plasma Physics & Physics Lab

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3954, PHYS3050, PHYS3950, PHYS3052, PHYS3952, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level;

MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exams, practical reports

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. Plasma Physics is the study of ionised gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano and biomedical technologies. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3954

Nanoscience/Plasma Physics & Lab (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3054, PHYS3050, PHYS3950, PHYS3052, PHYS3952, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports

This unit covers the same topics as PHYS3054, but with greater depth and some more challenging material.

PHYS3055

Nanoscience/Plasma/Thermodynamics

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3955, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. Plasma Physics is the study of ionised gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano and biomedical technologies. The lectures on Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of statistical mechanics.

PHYS3955

Nanoscience/Plasma/Thermodynamics (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3055, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3055, but with greater depth and some more challenging material.

PHYS3057

Nanoscience/Thermodynamic/Biol.Phys

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3957, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 3 hour exam

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. The lectures on Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of statistical mechanics. The Biological Physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, and computer simulations of biological systems.

PHYS3957

Nanoscience/Thermodynamic/Biol.Phys(Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3057, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS 3057, but with greater depth and some more challenging material.

PHYS3059

Plasma/Thermodynamics/Biol. Physics

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3959, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

Plasma Physics is the study of ionised gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano and biomedical technologies. The lectures on Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of statistical mechanics. The Biological Physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, and computer simulations of biological systems.

PHYS3959

Plasma/Thermodynamics/Biol.Physics (Adv)

Credit points: 6 **Session:** Semester 1 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3059, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3059, but with greater depth and some more challenging material.

PHYS3060

Quantum Mechanics & Physics Lab

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS 2011 or 2911 or 2001 or 2901; PHYS 2012 or 2912 or 2002 or 2902; MATH 2061 or 2961 or 2067 **Prohibitions:** PHYS3960, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927 **Assessment:** One 1.5 hour exam, practical reports

The lectures cover the fundamental concepts and formalism of quantum dynamics, and the application to angular momentum and symmetry in quantum mechanics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

Textbooks

None. Recommended reference: Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles (Second Edition) by Robert Eisberg and Robert Resnick

PHYS3960

Quantum Mechanics & Physics Lab (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen 1 hour lectures and twelve x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3060, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927 **Assessment:** One 1.5 hour exam, practical reports and oral presentation

This unit covers the same topics as PHYS3060, but with greater depth and some more challenging material.

Textbooks

Introductory Quantum Mechanics (Fourth Edition) by Richard L. Liboff

PHYS3961

Quantum Mechanics & Special Project(Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen lectures per semester, 3.5 hours in School of Physics **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3060, PHYS3960, PHYS3941, PHYS3011, PHYS3911, PHYS3918, PHYS3928 **Assessment:** One 1.5 hour exam, project report and oral presentation

Note: Department permission required for enrolment.

Note: Approval for this unit must be obtained from the School of Physics Senior Coordinator

The lectures cover the fundamental concepts and formalism of quantum dynamics, and the application to angular momentum and symmetry in quantum mechanics. The project is carried out in a research group within the School of Physics, working on a research experiment or theoretical project supervised by a researcher. The aim is for students to acquire an understanding of the nature of research, to apply their knowledge of physics and scientific practice, and to serve as preparation for a research project at Honours level and beyond.

Textbooks

Introductory Quantum Mechanics (Fourth Edition) by Richard L. Liboff

PHYS3062

Quantum/Cond Matter Physics & Lab

Credit points: 6 **Teacher/Coordinator:** Dr Tim Bedding **Session:** Semester 2 **Classes:** 19 x 2 one-hour lectures plus 6 x 4hr practicals per semester **Prerequisites:** PHYS2012 or PHYS2912 **Prohibitions:** PHYS3060, PHYS3960, PHYS3961, PHYS3962, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assessment:** one 1.5 hours exam, one 1hr exam, practical reports

This unit of study is intended for students majoring in Nanoscience and Technology. It should not be taken by students majoring in Physics. The lectures on Quantum Mechanics cover the fundamental concepts and formalism of quantum dynamics, and the application to angular momentum and symmetry in quantum mechanics. The lectures

on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3962

Quantum/Cond Matter Physics & Lab (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Tim Bedding **Session:** Semester 2 **Classes:** 19 x 2 one-hour lectures plus 6 x 4hr practicals per semester **Prerequisites:** PHYS2012 or PHYS2912 with result of credit or better **Prohibitions:** PHYS3060, PHYS3960, PHYS3961, PHYS3062, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assessment:** one 1.5 hours exam, one 1hr exam, practical reports

This unit of study covers the same topics as PHYS3062, but with greater depth and some more challenging material.

PHYS3068

Optics/Cond. Matter & Lab

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3968, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3968

Optics/Cond. Matter & Lab (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3068, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports

This unit covers the same topics as PHYS3068, but with greater depth and some more challenging material.

PHYS3069

Optics/High Energy Physics & Lab

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3969, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3969

Optics/High Energy Physics & Lab (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3069, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports

This unit covers the same topics as PHYS3069, but with greater depth and some more challenging material.

PHYS3071

High Energy/Astrophysics & Lab

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3971, PHYS3069, PHYS3969, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assessment:** One 2 hour exam, practical reports

The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3971

High Energy/Astrophysics & Lab (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3071, PHYS3069, PHYS3969, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assessment:** One 2 hour exam, practical reports

This unit covers the same topics as PHYS3071, but with greater depth and some more challenging material.

PHYS3074

High Energy/Cond. Matter Physics & Lab

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3974, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior

Physics level; MATH (2061 or 2961) **Assessment:** One 2 hour exam, practical reports

Plasma Physics is the study of ionized gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano- and biomedical technologies. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

PHYS3974

High Energy/Cond. Matter Phys.& Lab(Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x two 1 hour lectures and six x four 1 hour practicals per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit ; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3074, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 2 hour exam, practical reports

This unit covers the same topics as PHYS3074, but with greater depth and some more challenging material.

PHYS3079

Cond. Matter/High Energy/Astrophysics

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen 3 hour lectures per semester **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3979, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 3 hour exam

The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy.

PHYS3979

Cond. Matter/High Energy/Astrophys (Adv)

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3079, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3079, but with greater depth and some more challenging material.

PHYS3080**Optics/Cond.Matter/High Energy Physics**

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen 3 hour lectures per semester **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3980, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe.

PHYS3980**Optics/Cond.Matter/High Energy Phys(Adv)**

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3080, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3080, but with greater depth and some more challenging material.

PHYS3081**Optics/Cond. Matter/Astrophysics**

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen 3 hour lectures per semester **Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3981, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy.

PHYS3981**Optics/Cond. Matter/Astrophysics (Adv)**

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3081, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3074, PHYS3974,

PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3081, but with greater depth and some more challenging material.

PHYS3082**Optics/High Energy/Astrophysics**

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen 3 hour lectures per semester **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3982, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy.

PHYS3982**Optics/High Energy/Astrophysics (Adv)**

Credit points: 6 **Session:** Semester 2 **Classes:** Nineteen x three 1 hour lectures per semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3082, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3082, but with greater depth and some more challenging material.

Physics Honours*Honours Coordinator*

Dr Stephan Bartlett

Qualifying

24 credit points of senior Physics units of study or equivalent.

Classes

Six lecture courses and a research project

Assessment

Coursework examinations, a 40 page Research report and oral presentation of the Research project. Physics Honours comprises formal coursework (weight 50%) and a research project (weight 50%)

Undertaking an Honours year in Physics

The Honours program in Physics provides students with an opportunity to undertake an original research project as well as attend advanced lecture courses to give students a broad understanding of modern physics at a high level. All students satisfying the qualifying requirements as set out above and in the Science Faculty Honours section of this handbook are strongly encouraged to apply for entry into Physics Honours. Fulltime enrolment is equivalent to 48 credit points for the year. Students are offered an opportunity to carry out independent research as a member of one of the active research groups in the School of Physics, under the supervision of a member

of staff. Students may also study with staff from complementary disciplines, subject to the approval of the Honours coordinator. Honours students join a research group in the School of Physics and are encouraged to participate with staff and research students in activities within the School. They are provided with office accommodation, and are expected to attend colloquia and seminars. They may be employed for several hours per week in Junior teaching. Further information is available from the Physics Student Support Office, the Honours co-ordinator or from the website www.physics.usyd.edu.au/ugrad/hons.html.

Physiology

The Department of Physiology provides introductory general Intermediate units of study and for those wishing to major in the subject, in-depth Senior units of study. For Senior units the February semester offers Neuroscience and Human Cellular Physiology, and the July semester offers Heart and Circulation as well as further study in Neuroscience.

PHSI2005

Integrated Physiology A

Credit points: 6 **Teacher/Coordinator:** Dr Meloni Muir **Session:** Semester 1 **Classes:** Five 1 hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study **Prohibitions:** PHSI2905, PHSI2001, PHSI2101, PHSI2901 **Assessment:** One written exam; group and individual written and oral presentations

Note: The completion of 6 credit points of MBLG units of study is highly recommended for progression to Senior Physiology. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites.

This unit of study gives a basic introduction to the functions of the nervous system, including excitable cell (nerve and muscle) physiology, sensory and motor systems and central processing. It also incorporates haematology and cardiovascular physiology. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Inquiry-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI2905

Integrated Physiology A (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Leamey and Dr Dario Protti **Session:** Semester 1 **Classes:** Five 1 hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. Advanced students will be exempt from attending some classes to permit meetings with supervisor. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study **Prohibitions:** PHSI2005, PHSI2901, PHSI2001, PHSI2101 **Assessment:** One written exam; group oral and individual written presentations, 1 research essay (research essay will replace some other assessment items from regular course)

Note: Department permission required for enrolment.

Note: Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 65 (Credit average) or higher in their Junior units of study. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites. The completion of 6 credit points of MBLG units of study is highly recommended for progression to Senior Physiology

This unit of study is an extension of PHSI2005 for talented students with an interest in Physiology and Physiological research. The lecture/practical component of the course is run in conjunction with PHSI2005. This unit of study gives a basic introduction to the functions of the nervous system, including excitable cell (nerve and muscle) physiology, sensory and motor systems and central processing. It also incorporates haematology and cardiovascular physiology. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Inquiry-based learning tutorial sessions will be

integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning. The advanced stream of the course gives students an opportunity to interact with academics in small groups (or one to one) and to carry out a research project. Students will be allocated a supervisor and a project according to interest and availability. A research project will be determined by the supervisor, and students will carry out a library-based research project and have the opportunity to discuss their progress and understanding of the topic at regular meetings with the supervisor. Students will submit their research assignment as a major component of their assessment for the course. This will replace some other assessable activities from the regular course. Students will also be exempt from attending some of the tutorial and/or practical classes in order to give them time to meet with their supervisor.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI2006

Integrated Physiology B

Credit points: 6 **Teacher/Coordinator:** Dr Meloni Muir **Session:** Semester 2 **Classes:** Five one hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study **Prohibitions:** PHSI2906, PHSI2002, PHSI2102, PHSI2902 **Assessment:** One written exam; group and individual written and oral presentations

Note: The completion of Molecular Biology and Genetics A is highly recommended for progression to Senior Physiology. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites.

This unit of study gives a basic introduction to the functions of the remaining body systems: gastrointestinal, respiratory, endocrine, reproductive and renal. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Inquiry-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI2906

Integrated Physiology B (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Dario Protti and Dr Catherine Leamey **Session:** Semester 2 **Classes:** Five 1 hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. Advanced students will be exempt from attending some of these classes to permit meetings with supervisor. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study **Prohibitions:** PHSI2006, PHSI2902, PHSI2002, PHSI2102 **Assessment:** One written exam; group oral and individual written presentations, 1 research essay (research essay will replace some other assessment items from regular course)

Note: Department permission required for enrolment.

Note: Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 65 (Credit average) or higher in their Junior units of study. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisite. The completion of Molecular Biology and Genetics A is highly recommended for progression to Senior Physiology.

This unit of study is an extension of PHSI2006 for talented students with an interest in Physiology and Physiological research. The lecture/practical component of the course is run in conjunction with PHSI2006. This unit of study gives a basic introduction to the remaining of the body systems: gastrointestinal, respiratory, endocrine, reproductive and renal. The practical component involves simple experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Inquiry-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning. The advanced stream of the course gives students an

opportunity to interact with academics in small groups (or one to one) and to carry out a research project. Students will be allocated a supervisor and a project according to interest and availability. A research project will be determined by the supervisor, and students will carry out a library-based research project and have the opportunity to discuss their progress and understanding of the topic at regular meetings with the supervisor. Students will submit their research assignment as a major component of their assessment for the course. This will replace some other assessable activities from the regular course. Students will also be exempt from attending some of the tutorial and/or practical classes in order to give them time to meet with their supervisor.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

Please note, all NEUR courses are taught and administered jointly by the Disciplines of Physiology and Anatomy & Histology and can form part of a major in Physiology, Anatomy & Histology or Neuroscience. NEUR3001/3901 and 3002/3902 are designed to be taken in conjunction with other. It is also strongly advised that NEUR3003/3903 and 3004/3904 be taken together. For information on NEUR3002 and NEUR3004 refer to page 160.

NEUR3001

Neuroscience: Special Senses

Credit points: 6 **Teacher/Coordinator:** Dr Dario Protti **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. **Prerequisites:** For BMedSc students: BMED(2801 or 2503) and BMED(2806 or 2505) For other students: (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** PHSI3001, NEUR3901 **Assumed knowledge:** It is strongly recommended that students also take unit NEUR3002. PHSI2005 and ANAT2010 are assumed knowledge. **Assessment:** Two 1 hour exams, one prac report, tutorial papers, 2000 word essay.

The aim of this course is to provide students with an introduction to the structure and function of the nervous system and to the main concepts of processing of sensory information. Understanding basic sensory transduction mechanisms and the function of the sensory systems is necessary to understand how perceptual processes work in normal and disease conditions and provides a gateway to unravel the complexity of the mind. Basic aspects of low and high level sensory processing in all sense modalities will be covered, with a special emphasis in the auditory and visual systems. The relationship between sensory systems, perception and higher cognitive functions will be addressed.

Textbooks

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000
or
Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001

NEUR3901

Neuroscience: Special Senses (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Dario Protti **Session:** Semester 1 **Classes:** Two 1 hour lecture per week; one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. Advanced students may be exempt from attending some of these classes to permit meetings with supervisor. **Prerequisites:** For BMedSc students: Credit average in BMED(2801 or 2503) and BMED(2806 or 2505) For other students: Credit average in (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** NEUR3001, PHSI3001, PHSI3901 **Assumed knowledge:** PHSI2005 and ANAT2010 **Assessment:** Two 1 hour exams, one prac report, tutorial papers, one research or library essay (research essay will replace some other assessment items from regular course).

Note: Permission from the coordinators is required for entry into this course. It is strongly recommended that students also take unit NEUR3002 or NEUR3902.

This unit of study is an extension of NEUR3001 for talented students with an interest in Neuroscience and research in this field. The lecture/practical component of the course is run in conjunction with NEUR3001. The aim of this course is to provide students with an introduction to the structure and function of the nervous system and to the main concepts of processing of sensory information. Understanding basic sensory transduction mechanisms and the

function of the sensory systems is necessary to understand how perceptual processes work in normal and disease conditions and provides a gateway to unravel the complexity of the mind. Basic aspects of low and high level sensory processing in all sense modalities will be covered, with a special emphasis in the auditory and visual systems. The relationship between sensory systems, perception and higher cognitive functions will be addressed.

Textbooks

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000
or
Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001

NEUR3003

Cellular and Developmental Neuroscience

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** Three 1 hour lectures plus one 1 hour tutorial or one 2 hour practical per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics **Prohibitions:** NEUR3903, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One 1 hour exam. Major essay/report.

Note: Enrolment in NEUR3004/3904 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.

This second semester unit is designed to introduce students to "cutting edge" issues in the neurosciences. This course is a combination of small lectures on current issues in cellular and developmental neuroscience and a research-based laboratory or library project. Issues covered in the lecture series will include the role of glial on cerebral blood flow and neural transmission, neurochemistry and psychiatric disorders and development of central and peripheral nervous system.

Textbooks

Kandell, Schwartz and Jessell "Principles of Neural Science" 4th edition.

NEUR3903

Cellular & Developmental Neurosci. (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial or one 2 hour practical per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics. Plus, students must have a CREDIT (or better) in NEUR3001/3901 and NEUR3002/3902. **Prohibitions:** NEUR3003, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One 1 hour exam. Major essay/report. Mini-lecture.

Note: Department permission required for enrolment.

Note: Enrollment in NEUR3004/3904 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other. Students must receive permission from the coordinators for enrolment.

This unit encompasses the material taught in NEUR3003. Advanced students prepare and present a mini-lecture on a current topic in neuroscience research.

Textbooks

Kandell, Schwartz and Jessell "Principles of Neural Science" 4th edition.

For other NEUR units of study, see the entry for the Department of Anatomy and Histology.

PHSI3005

Human Cellular Physiology: Theory

Credit points: 6 **Teacher/Coordinator:** Dr William Phillips **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) For BMedSc: BMED (2801 and 2802). **Prohibitions:** PHSI3905, PHSI3004, PHSI3904 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam and 4-6 quizzes

Note: It is highly recommended that this unit of study be taken in conjunction with PHSI3006.

The aim of this unit of study is to examine key cellular processes involved in the growth, maintenance and reproduction of human life. Processes to be studied include the regulation of cell division and differentiation in developing and adult tissues, the regulation of body fluids through ion transport across epithelia, mechanisms of hormonal and nervous system signaling. Lectures will relate the molecular underpinnings to physiological functions: our current interpretation of how ion channels, hormone receptors and exocytotic complexes mediate tissue function and human life. The significance of these molecular mechanisms will be highlighted by considering how mutations and other disorders affect key proteins and genes and how this might lead to disease states such as cancer, intestinal and lung transport disorders and osteoporosis.

Textbooks

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI3905

Human Cellular Physiology (Adv): Theory

Credit points: 6 **Teacher/Coordinator:** Dr William D. Phillips **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Credit average in PHSI(2005 or 2905) and PHS(2006 or 2906) or in BMED (2801 and 2802). Students enrolling in this unit should have a SciWAM of at least 68. **Prohibitions:** PHSI3005, PHSI3004, PHSI3904 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, one 2000 word report based on a mentored research project.

Note: Department permission required for enrolment .

Note: It is highly recommended that this unit of study be taken in combination with PHSI3906

The aim of this unit of study is to examine key cellular processes involved in the growth, maintenance and reproduction of human life. Processes to be studied include the regulation of cell division and differentiation in developing and adult tissues, the regulation of body fluids through ion transport across epithelia, mechanisms of hormonal and nervous system signaling and the regulation of muscle contraction. Lectures will relate the molecular underpinnings to physiological functions: our current interpretation of how ion channels, hormone receptors and exocytotic complexes mediate tissue function and human life. The significance of these molecular mechanisms will be highlighted by considering how mutations and other disorders affect key proteins and genes and how this might lead to disease states such as cancer, intestinal and lung transport disorders and osteoporosis. Please see the Physiology website for details of mentored Advanced research topics.

Textbooks

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI3006

Human Cellular Physiology: Research

Credit points: 6 **Teacher/Coordinator:** Dr William D. Phillips **Session:** Semester 1 **Classes:** Two small group PBL and one 1 hour lecture per week; one 3 hour practical in some weeks. **Prerequisites:** Except for BMedSc students: PHSI (2005 or 2905) and PHSI(2006 or 2906) For BMedSc: BMED (2801 and 2802). **Corequisites:** PHSI3005 **Prohibitions:** PHSI3906, PHSI3004, PHSI3904 **Assessment:** One 1.5 hour exam, PBL assessments by oral presentations and paper summaries, prac reports.

This unit of study complements, and should be taken together with PHSI3005. PHSI3006 focuses deeply upon certain areas of cellular physiology that have particular relevance to human health and disease. In the problem-based learning (PBL) sessions groups of students work together with the support of a tutor to develop and communicate an understanding of mechanism underlying the physiology and patho-physiology of disorders such as cystic fibrosis and vitamin D resistance. Each problem runs over three weeks with two small group meetings per week. Reading lists are structured to help address written biomedical problems. Lectures provide an introduction to the biological and clinical features of the problem and advice on how to interpret scientific data of the type found in the research papers. Practical classes will emphasize experimental design and interpretation. Collectively, the PBL, lectures and practical classes aim to begin to develop skills and outlook needed to deal with newly emerging biomedical science.

Textbooks

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI3906

Human Cellular Physiology (Ad): Research

Credit points: 6 **Teacher/Coordinator:** Dr William D. Phillips **Session:** Semester 1 **Classes:** Two small group PBL and one 1 hour lecture per week; one 3 hour practical in some weeks. **Prerequisites:** Credit average in PHSI (2005 or 2905) and PHSI(2006 or 2906) or in BMED (2801 and 2802). Students enrolling in this unit should have a SciWAM of at least 68. **Corequisites:** PSYC3905 **Prohibitions:** PHSI3006, PHSI3004, PHSI3904 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 1.5 hour exam, four PBL assessments by oral presentations and paper summaries, 1500w research report.

Note: Department permission required for enrolment .

This unit of study complements, and should be taken together with PHSI3005. PHSI3006 focuses deeply upon certain areas of cellular physiology that have particular relevance to human health and disease. In the problem-based learning (PBL) sessions groups of students work together with the support of a tutor to develop and communicate an understanding of mechanism underlying the physiology and patho-physiology of disorders such as cystic fibrosis and vitamin D resistance. Each problem runs over three weeks with two small group meetings per week. Reading lists are structured to help address written biomedical problems. Lectures provide an introduction to the biological and clinical features of the problem and advice on how to interpret scientific data of the type found in the research papers. Practical classes will emphasize experimental design and interpretation. Collectively, the PBL, lectures and practical classes aim to begin to develop skills and outlook needed to deal with newly emerging biomedical science. Please see the Physiology website for details of mentored Advanced research topics.

Textbooks

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI3007

Heart and Circulation: Normal Function

Credit points: 6 **Teacher/Coordinator:** Prof Roger Dampney **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical or one 2 hour tutorial per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803). **Prohibitions:** PHSI3907, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, two 1000w reports, one oral presentation.

Note: It is recommended that students take PHSI3007 ONLY in combination with PHSI3008.

The aim of this unit of study is to examine in depth the structure and function of the cardiovascular system at the organ system, cellular and molecular levels. There is a particular focus on exercise physiology and the way in which the heart, circulation and skeletal muscles contribute to the limits of sporting achievement. The excitability, contractility and energetics of the heart and blood vessels are studied and the regulation of these organs by local (physical and chemical) factors, hormones and the nervous system are discussed, with emphasis on cellular and molecular mechanisms. At the systemic level, short term (neural) mechanisms controlling the blood pressure and how the system behaves during exercise and other stresses is dealt with. Long term (hormonal) mechanisms regulating blood pressure via the renal control of extracellular fluid volume is also discussed. There is an emphasis in this unit of study on recent advances in cellular and molecular aspects of heart and the blood vessels and the regulation of these organs by local (physical and chemical) factors, hormones and the autonomic nervous system. Lectures will be complemented by practical classes and tutorials that reinforce the theory and emphasize experimental design, data interpretation and presentation.

PHSI3907

Heart & Circulation: Normal Function Adv

Credit points: 6 **Teacher/Coordinator:** Prof Roger Dampney **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical or one 2 hour tutorial per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803). **Prohibitions:**

PHSI3007, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, 2000w report/essay based on a mentored research project, one oral presentation.

Note: Department permission required for enrolment.

Note: Available to selected students who have achieved an average of at least 75 in their prerequisite units of study. It is highly recommended that this unit of study be taken in combination with PHSI3908.

The aim of this unit of study is to examine in depth the structure and function of the cardiovascular system at the organ system, cellular and molecular levels. There is a particular focus on exercise physiology and the way in which the heart, circulation and skeletal muscles contribute to the limits of sporting achievement. The excitability, contractility and energetics of the heart and blood vessels are studied and the regulation of these organs by local (physical and chemical) factors, hormones and the nervous system are discussed, with emphasis on cellular and molecular mechanisms. At the systemic level, short term (neural) mechanisms controlling the blood pressure and how the system behaves during exercise and other stresses is dealt with. Long term (hormonal) mechanisms regulating blood pressure via the renal control of extracellular fluid volume is also discussed. There is an emphasis in this unit of study on recent advances in cellular and molecular aspects of heart and the blood vessels and the regulation of these organs by local (physical and chemical) factors, hormones and the autonomic nervous system. Lectures will be complemented by practical classes and tutorials that reinforce the theory and emphasize experimental design, data interpretation and presentation. Details of mentored Advanced research projects are available on the Physiology website.

PHSI3008

Heart and Circulation: Dysfunction

Credit points: 6 **Teacher/Coordinator:** Prof Roger Dampney **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour seminar session per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803) **Prohibitions:** PHSI3908, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, seminar presentations, 2000wd essay

Note: It is strongly recommended that students take PHSI3008 ONLY in combination with PHSI3007

This unit of study complements and should be taken together with PHSI3007, which deals with the normal function of the cardiovascular system. This unit of study focuses on cardiovascular disease which is a major cause of death in western society. Lectures provide the background to understanding (a) the disruption of normal physiological processes, (b) recent advances in cellular and molecular aspects, and (c) the physiological basis of modern approaches to treatment. Example of diseases covered include: heart failure, heart attack, cardiac hypertrophy, atheroma and hypertension. In the seminar sessions, students will work in small groups with a tutor to further extend their understanding of cellular and molecular mechanisms underpinning cardiovascular disease. Reading lists are organized into specific topics related to a particular disease. Through analysis and discussion of the readings students develop skills necessary for interpreting and communicating science.

PHSI3908

Heart & Circulation: Dysfunction Adv

Credit points: 6 **Teacher/Coordinator:** Prof Roger Dampney **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 2 hour seminar session per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803) **Prohibitions:** PHSI3008, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, seminar presentations, written assignment on a selected topic

Note: Department permission required for enrolment.

Note: Available to selected students who have achieved an average of at least 75 in their prerequisite units of study. It is highly recommended that this unit of study be taken ONLY in combination with PHSI3907 or PHSI3007.

This unit of study complements and should be taken together with PHSI3007, which deals with the normal function of the cardiovascular system. This unit of study focuses on cardiovascular disease which

is a major cause of death in western society. Lectures provide the background to understanding (a) the disruption of normal physiological processes, (b) recent advances in cellular and molecular aspects, and (c) the physiological basis of modern approaches to treatment. Example of diseases covered include: heart failure, heart attack, cardiac hypertrophy, atheroma and hypertension. In the seminar sessions, students will work in small groups with a tutor to further extend their understanding of cellular and molecular mechanisms underpinning cardiovascular disease. Reading lists are organized into specific topics related to a particular disease. Through analysis and discussion of the readings students develop skills necessary for interpreting and communicating science. Details of mentored Advanced research projects are available on the Physiology website.

Physiology Honours

During fourth year, no formal series of lectures is provided but students are given a relevant problem to investigate. This problem usually represents a small facet of one of the major current research projects within the Department, and the students work in collaboration with members of the staff. Students write a thesis embodying the results of their work.

Plant Science

The following units of study form part of the Plant Science program, which has been developed jointly by the Faculty of Agriculture, Food and Natural Resources and the School of Biological Sciences.

Intermediate units of study

PLNT2001

Plant Biochemistry and Molecular Biology

Credit points: 6 **Teacher/Coordinator:** Prof Les Copeland (Coordinator), Dr Rosanne Quinnett **Session:** Semester 1 **Classes:** (2 hr lec, 3 hr prac)/wk **Prerequisites:** 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) **Prohibitions:** PLNT2901, AGCH2001 **Assessment:** Quizzes + theory of prac test (25%), laboratory reports (25%), final examination (50%)

This unit of study explores the fundamentals of plant biochemistry, from what plants are made of to how plants regulate their metabolic processes. The specialised nature of these metabolic processes, which enable plants to respond to different biotic and abiotic environmental influences, is featured as is their relationship to food, feed and fibres. The unit covers basic chemistry and metabolic reactions of the main plant constituents, how storage reserves are mobilized to provide energy and substrates for growth and development, and how metabolic pathways are controlled and respond to influences from the plant environment. Special attention is given to these processes in economic plants, and their relevance to foods and fibres. The unit of study complements intermediate units of study in plant science, molecular and cell biology, genetics and biotechnology, and leads on to senior plant modules offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources. Learning in the unit is by lectures and laboratory work, augmented by self-directed learning related to the lecture and practical classes and discussions to provide insights into how molecular and biochemical approaches lead to understanding of plant functions. Students will be expected to access the WebCT site regularly for information

Textbooks

A Study Guide for the unit will be available for purchase from the Copy Centre at a cost of \$10 during the first week of Semester

PLNT2901

Plant Biochem & Molecular Biology (Adv)

Credit points: 6 **Teacher/Coordinator:** Prof Les Copeland (Coordinator), Dr Rosanne Quinnett **Session:** Semester 1 **Classes:** (3 lec or tut; 3 prac or sem)/wk **Prerequisites:** A Distinction average in 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) **Prohibitions:** PLNT2001, AGCH2001 **Assessment:** One 2-hr exam (50%), laboratory reports (10%) independent research project presentation and report (25%), self-directed learning exercises (15%)

The content will be based on PLNT2001 but qualified students will participate in alternative components at a more advanced level

Textbooks

A Study Guide for the unit will be available for purchase from the Copy Centre at a cost of \$10 during the first week of Semester.

PLNT2002

Aust Flora: Ecology and Conservation

Credit points: 6 **Teacher/Coordinator:** Dr Glenda Wardle & Dr Murray Henwood. **Session:** Semester 1 **Classes:** (2 hrs lec & 3 hrs prac)/wk, audiovisual. **Prerequisites:** 12 credit points from a combination of Junior BIOL or LWSC units of study including two of BIOL (1001, 1901, 1002, 1902, 1003, 1903) LWSC1002, MBLG1001 (or with the Dean's permission BIOL1201 and BIOL1202 may be substituted for the above). **Prohibitions:** PLNT2902, BIOL2004, BIOL2904 **Assumed knowledge:** The contents of BIOL (1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL) and Plant Science (PLNT) units of study using BIOL (1003 or 1903) will need to do some preparatory reading. **Assessment:** One 2-hr exam (40%), laboratory reports (20%) herbarium (20%), one 2-hr practical exam (20%).

This unit provides a broad understanding of the evolution, classification and diversity of terrestrial plants and the principles of plant ecology in an Australian context. The major types of Australian vegetation are discussed across a range of temporal and spatial scales, and their current distribution related to their environment and origins. Selected contemporary issues in plant conservation from Australian natural and managed systems are explored. There is a strong emphasis on practical skills such as phylogenetic inference, plant identification and the collection and analysis of ecological data. The practical component of the unit of study uses examples taken from the Australian flora (including plants of horticultural significance) and major crop plants. Important elements of this unit are half-day field trips to the Royal National Park (or production systems at Camden), the Royal Botanic Gardens Sydney and the construction of student herbaria. The unit of study complements intermediate units of study in plant science, zoology, molecular and cell biology, genetics and biotechnology, and leads on to advanced plant and ecology modules offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources.

Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT2902

Aust Flora: Ecology & Conservation (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Glenda Wardle, Dr Murray Henwood **Session:** Semester 1 **Classes:** (2 lec & 3 prac)/wk, audiovisual **Prerequisites:** Distinction average in 12 credit points from a combination of Junior BIOL or LWSC units of study including two of BIOL (1001, 1901, 1002, 1902, 1003, 1903) LWSC1002, MBLG1001 (or with the Dean's permission BIOL1201 and BIOL1202). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibitions:** PLNT2002, BIOL2004, BIOL2904 **Assumed knowledge:** The contents of BIOL(1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL) and Plant Science (PLNT) units of study using BIOL(1003 or 1903) will need to do some preparatory reading. **Assessment:** One 2-hr exam (40%), laboratory reports (20%) research project (20%), one 2-hr practical exam (20%)

Qualified students will participate in alternative components of PLNT2002. The content and nature of these components may vary from year to year. See prerequisites for Senior units of study in Biology

Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester

PLNT2003

Plant Form and Function

Credit points: 6 **Teacher/Coordinator:** A/Prof Bruce Sutton, A/Prof Robyn Overall **Session:** Semester 2 **Classes:** 2 lectures, 1hr tutorial and 1 prac, A/V session (2-3hr) or field trip (6hr) per wk **Prerequisites:** 12 credit points of Junior Biology (or with the Dean's permission), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1002 **Prohibitions:** PLNT2903, BIOL2003, BIOL2903, CROP2001 **Assumed knowledge:** The content of BIOL(1002 or 1902) is assumed knowledge and students entering from BIOL(1003 or 1903) will need to do some preparatory reading. **Assessment:** One 2hr theory exam (40%), prac exam (20%), anatomy project (10%), quizzes (5%), physiology report (10%), field report (15%)

This unit of study investigates the structure of cells, tissues and organs of flowering plants and relates them to function. Topics include; how photosynthesis, translocation, water transport and nutrition relate to the structures that carry out these processes. Most of the information on plant structure will be provided in self-instructional audio-visual sessions augmented by small group discussions. This is integrated with experiments carried out in the laboratory or on field excursions to investigate the physiological aspects of plant structures. There is a focus on recent advances in plant molecular biology where they have been critical in enhancing our understanding of the form and function of plants. The physiological and anatomical responses of plants to extreme environments such as drought and salinity will also be addressed. Attention will be paid to the anatomy and physiology of crop, horticultural and Australian native plants. This unit of study complements Applied Plant Biochemistry, Australian Flora: ecology and conservation and Cell Biology and leads onto senior units of study in plant sciences, including Plant Growth and Development. It is essential for those seeking a career in plant molecular biology

Textbooks

Taiz L, Zeiger E (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer
Recommended reading:
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT2903

Plant Form and Function (Advanced)

Credit points: 6 **Teacher/Coordinator:** A/Prof Bruce Sutton and A/Prof Robyn Overall **Session:** Semester 2 **Classes:** 2 lectures, 1hr tutorial and 1 prac, A/V session (2-3hr) or field trip (6hr) per wk **Prerequisites:** Distinction average in 12 credit points of Junior Biology or BIOL1001 and ENVI1002 (or with the Dean's permission, BIOL1201 and BIOL1202) **Prohibitions:** PLNT2003, BIOL2003, BIOL2903, CROP2001 **Assumed knowledge:** The content of BIOL(1002 or 1902) is assumed knowledge and students entering from BIOL(1003 or 1903) will need to do some preparatory reading. **Assessment:** One 2hr theory exam (40%), prac exam (20%), research project oral and written presentation (25%), field report (15%)

The content will be based on PLNT2003 but qualified students will participate in alternative components at a more advanced level. The content and nature of these components may vary from year to year

Textbooks

Taiz L, Zeiger E (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer
Recommended reading:
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

Senior units of study

PLNT3001

Plant, Cell and Environment

Credit points: 6 **Teacher/Coordinator:** Dr Rosanne Quinnell and A/Prof Bruce Sutton **Session:** Semester 2 **Classes:** (2-3 workshops, 2-3 prac)/wk **Prerequisites:** 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent **Prohibitions:** PLNT3901 **Assessment:** One 2hr exam (50%), 2 lab reports (50%)

Plant Cell and Environment comprises discussion and practical sessions that are guided by current research directions in Australian plant sciences. Several broad themes in Plant Science research will be identified at the start of the semester and these will provide the framework for discussions for the remainder of the semester. Theme areas will consider the Australian flora and areas currently under investigation at the University of Sydney including rising atmospheric carbon dioxide levels, post-harvest physiology, symbiotic systems and advances in plant cell and molecular biology. Students will be required to examine and critique the current published literature and to articulate how newly published findings have informed the field. Students will be required to draw on knowledge from their previous studies in biology, which may include Intermediate Biology, Plant

Science, Molecular and Microbial Biology, Agriculture and Horticulture units of study. The practical component of this unit of study has sufficient flexibility for students to design their own group experiments and to answer questions raised during the discussions of the published literature. A range of equipment for student experiments will be available including: pulse amplitude modulated (PAM) fluorometers; oxygen electrodes; Scholander bomb, gel electrophoresis (PAGE).

PLNT3901

Plant, Cell and Environment (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Rosanne Quinnett and A/Prof Bruce Sutton **Session:** Semester 2 **Classes:** (2-3 workshops; 2-3 prac)/wk **Prerequisites:** 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent **Prohibitions:** PLNT3001 **Assessment:** One 2-hr exam (50%), 1 research report (50%)

Note: Department permission required for enrolment.

Note: Entry is restricted and is based on a combination of a high WAM and student motivation

Plant Cell and Environment comprises discussion and practical sessions that are guided by current research directions in Australian plant sciences. Several broad themes in Plant Science research will be identified at the start of the semester and these will provide the framework for discussions for the remainder of the semester. Theme areas will consider the Australian flora and areas currently under investigation at the University of Sydney including rising atmospheric carbon dioxide levels, post-harvest physiology, symbiotic systems and advances in plant cell and molecular biology. Students will be required to examine and critique the current published literature and to articulate how newly published findings have informed the field. Students will be required to draw on knowledge from their previous studies in biology, which may include Intermediate Biology, Plant Science, Molecular and Microbial Biology, Agriculture and Horticulture units of study. The practical component of this unit of study has sufficient flexibility for students to design their own group experiments and to answer questions raised during the discussions of the published literature. A range of equipment for student experiments will be available including: pulse amplitude modulated (PAM) fluorometers; oxygen electrodes; Scholander bomb, gel electrophoresis (PAGE).

PLNT3002

Plant Growth and Development

Credit points: 6 **Teacher/Coordinator:** A/Prof Robyn Overall **Session:** Semester 2 **Classes:** (3 lec, 0-3 hr prac)/wk **Prerequisites:** 12 credit points of intermediate PLNT, BIOL, AGCH or CROP units of study including at least one of PLNT2001, PLNT2901, PLNT2003, PLNT2903, BIOL2016, BIOL2916, BIOL2003, BIOL2903, BIOL2006, BIOL2906, CROP2001, AGCH2002 or equivalent **Prohibitions:** PLNT3902, BIOL3021, BIOL3931 **Assessment:** One 2 hr exam (60%), project presentation and report (20%), laboratory quizzes, report and book (20%)

This unit explores the mechanisms underlying plant growth and development from seed to maturity. It covers the process of building the plant body from embryogenesis, development and operation of meristems, polarity, patterning, controls of flowering and fruit development to programmed cell death and senescence. It includes the role of signals such as plant hormones in coordinating plant growth and development and the molecular and cellular mechanisms underlying plant responses to environmental signals such as gravity and light. There is a focus on recent plant molecular biology that has been critical in enhancing our current understanding of plant growth and development. The unit uses examples from crop, horticultural and native plants as well as the model plant *Arabidopsis*. Lectures are augmented by experimental work, including and independent research project. The laboratory work will include plant tissue culture, protoplast production and modern cell biological techniques used to study plant development. This unit of study complements other senior units of study in the Plant Science Major and is essential for those seeking a career in plant molecular biology.

Textbooks

Taiz L, Zeiger E (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer
Recommended reading:
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.

Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT3902

Plant Growth and Development (Advanced)

Credit points: 6 **Teacher/Coordinator:** A/Prof Robyn Overall **Session:** Semester 2 **Classes:** (3 lec, 0-3 hr prac)/wk **Prerequisites:** Distinction average in 12 credit points of intermediate PLNT, BIOL, AGCH or CROP units of study including at least one of PLNT2001, PLNT2901, PLNT2003, PLNT2903, BIOL2016, BIOL2916, BIOL2003, BIOL2903, BIOL2006, BIOL2906, CROP2001, AGCH2002 or equivalent. These requirements may be varied and students with lower averages should consult the unit coordinator **Prohibitions:** PLNT3002, BIOL3021, BIOL3931 **Assessment:** One 2 hr exam (60%), project presentation and report (30%), laboratory quizzes and book (10%)

Qualified students will participate in alternative components of PLNT3002 Plant Growth and Development, representing 30% of the total assessment. The students will be exempt from one standard laboratory report and the standard independent group project. Instead, the students will conduct an advanced independent individual practical or theoretical research project under the supervision of a member of the academic staff. The program includes a formal presentation of the results of the project in verbal and written reports

Textbooks

Taiz L, Zeiger E (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer
Recommended reading:
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT3003

Systematics and Evolution of Plants

Credit points: 6 **Teacher/Coordinator:** Dr Murray Henwood **Session:** Semester 1 **Classes:** 2 lectures, one 3 hour practical per week **Prerequisites:** PLNT (2002 or 2902) or equivalent **Prohibitions:** BIOL3015, BIOL3915, PLNT3903 **Assumed knowledge:** BIOL(1001 or 1101 or 1901 or 1002 or 1902 or 1904) **Assessment:** One 1.5 hr take-home exam (50%), oral presentation (5%), nomenclature exercise (15%), research project (30%)

This unit of study introduces students to the practical aspects of Plant Systematics and evolution. Students will gain a working knowledge of the general techniques and approaches used in Plant Systematics (including an understanding of plant taxonomy, phylogenetics and evolutionary processes). A range of data sources (DNA sequences and morphology) will be used to address questions concerning the evolution, classification and historical biogeography of various plant groups. A two-day field trip will provide tuition in plant identification and an opportunity to acquire skills in field-botany. This unit of study is recommended for students with an interest in the areas of: field biology, bioinformatics, general ecology and evolution.

Textbooks

Plant Systematics: A phylogenetic Approach (2002). W.S. Jud, C.S. Campbell, E.A. Kellog, P.F. Stevens & M.J. Donohue

PLNT3903

Systematics and Evolution of Plants Adv

Credit points: 6 **Teacher/Coordinator:** Dr Murray Henwood **Session:** Semester 1 **Classes:** 2 lectures & 1 practical per week **Prerequisites:** Distinction in PLNT2002 or PLNT2902 (or equivalent). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3015, BIOL3915, PLNT3003 **Assumed knowledge:** BIOL (1001 or 1101 or 1901 or 1002 or 1902 or 1904) **Assessment:** One 1.5 hr take-home exam (50%), oral presentation (5%), nomenclature exercise (15%), research project (30%)

Qualified students will participate in alternative components of PLNT3003 Systematics and Evolution of Plants. The content and nature of these components may vary from year to year.

Textbooks

Plant Systematics: A phylogenetic Approach (2002). W.S. Jud, C.S. Campbell, E.A. Kellog, P.F. Stevens & M.J. Donohue

BIOL3009**Terrestrial Field Ecology**

Credit points: 6 **Teacher/Coordinator:** Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur **Session:** S2 Intensive **Classes:** One 6 day field trip held in the pre-semester break (Sunday, July 15 - Friday, July 20) and 4 practical classes during weeks 1-4 in semester 2. **Prerequisites:** 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3909, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924 **Assumed knowledge:** Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).

This field course provides practical experience in the experimental analysis of terrestrial populations and assemblages. Students learn a broad range of ecological sampling techniques and develop a detailed understanding of the logical requirements necessary for manipulative ecological field experiments. The field work incorporates survey techniques for plants, small mammals and invertebrates and thus provides a good background for ecological consulting work. Students attend a week-long field course and participate in a large-scale research project as well as conducting their own research project. Invited experts contribute to the lectures and discussions on issues relating to the ecology, conservation and management of Australia's terrestrial flora and fauna.

BIOL3909**Terrestrial Field Ecology (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur **Session:** S2 Intensive **Classes:** 6 day field trip held in the pre-semester break (Sunday, July 15 - Friday, July 20) and 4 practical classes during weeks 1-4 in semester 2. **Prerequisites:** Distinction average in 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3009, BIOL3041, BIOL3941, BIOL3042, BIOL3942, BIOL3024, BIOL3924 **Assumed knowledge:** Ecological Methods (BIOL3006) or Ecological Methods (advanced) BIOL3906. Prior completion of one of these units is very strongly recommended. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).

Note: Students taking this unit of study will complete an individual research project on a topic negotiated with a member of staff. It is expected that much of the data collection will be completed during the field trip but some extra time may be needed during semester 2.

This unit has the same objectives as BIOL3009 Terrestrial Field Ecology, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and assessment will be announced in meetings with students at the beginning of the unit. This unit of study may be taken as part of the BSc (Advanced) program.

BIOL3017**Fungi in the Environment**

Credit points: 6 **Teacher/Coordinator:** Dr P McGee **Session:** S1 Intensive **Classes:** 40 hours of practicals in a two week intensive program immediately prior to semester one (labs run from 12 February to 23 February 2007), plus the equivalent of 30 hours self-guided study during the semester. **Prerequisites:** 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. **Prohibitions:** BIOL3917 **Assessment:** One 2 hour take home exam, laboratory and written assignments.

Note: The completion of 6 credit points of MBLG units is highly recommended.

The unit emphasises use of research techniques in the laboratory to enable deeper understanding of issues in fungal ecology, environmental and rehabilitation biology, biological control and soil microbiology. Benefits provided by fungi in symbiotic interactions with plants, including mycorrhizal fungi and shoot-borne endophytes. Students will be encouraged to develop a deeper understanding of one area of Fungal Biology through independent study. Part of the learning material will be available on the internet.

BIOL3917**Fungi in the Environment (Advanced)**

Credit points: 6 **Teacher/Coordinator:** Dr P McGee **Session:** S1 Intensive **Classes:** 40 hours of practical work in a two week intensive program immediately prior to semester one (labs run from 12 February to 23 February 2007), plus the equivalent of 30hrs self-guided study during the semester. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography, or their equivalent. **Prohibitions:** BIOL3017 **Assessment:** One 2 hour take home exam, laboratory and written assignments.

Note: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will be encouraged to develop a research project under supervision. The content and nature of the research will be agreed on with the executive officer.

PPAT3003**Plant Disease**

Credit points: 6 **Teacher/Coordinator:** Prof Lester Burgess and Prof David Guest **Session:** Semester 1 **Classes:** (2 lec, 3 hr prac)/wk **Prerequisites:** Two of PLNT2001, PLNT2901, PLNT2002, PLNT2902, PLNT2003, PLNT2903, MICR2024, MICR2026 or MICR2101 **Assessment:** Written exam 2 hr (60%), 12 quizzes (15%), group project report (25%)

This unit introduces fungi and other microbes as causes of plant disease that limit agricultural and horticultural production. The practical component introduces techniques used in handling and identifying fungi, and in studying plant disease. Emphasis is placed on the design of experiments and interpretation of experimental data. Topics include symptoms and 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

Textbooks

Brown JF and Ogle HJ. 1997. Plant Pathogens and Plant Diseases. Rockvale Publications.

Agrios GN. 2005. Plant Pathology (5th ed). Academic Press, London.

HORT3004**Postharvest Biology and Technology**

Credit points: 6 **Teacher/Coordinator:** Dr Robyn McConchie **Session:** Semester 2 **Classes:** (2 lec, 3-4 labs/seminars/workshops)/wk **Prerequisites:** Two of PLNT2001, PLNT2901, PLNT2002, PLNT2902, PLNT2003, PLNT2903. **Assumed knowledge:** HORT1001, HORT1002 and HORT2002. **Assessment:** Exam 2 hr (60%), laboratory reports (25%), assignment (10%), seminar (5%)

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

HORT3005**Production Horticulture**

Credit points: 6 **Teacher/Coordinator:** Dr Jenny Jobling **Session:** Semester 1 **Classes:** (2 lec, 3 labs/seminars/workshops)/wk **Prerequisites:** Two of PLNT2001, PLNT2901, PLNT2002, PLNT2902, PLNT2003, PLNT2903. **Assumed knowledge:** HORT1001, HORT1002 and HORT2002. **Assessment:** One 3 hr exam (55%), assignments (45%) ie fruit crops 15%, vegetables 15%, tropical and environmental horticulture 15%.

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

AGRO3002**Agronomy 3**

Credit points: 6 **Teacher/Coordinator:** A/Prof Bruce Sutton **Session:** Semester 1 **Classes:** 5 student contact hrs/wk, workshops and discussions (36 hr total), labs (26 hr total) **Prerequisites:** PLNT2003 or PLNT2903 **Assumed knowledge:** CROP1001 or HORT1001 or LWSC1001 **Assessment:** One 2 hour exam, consultancy report, practical reports

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

Psychology

Psychology is the study of behaviour and it is approached on a scientific basis, with provision for professional training at the postgraduate level. The research activities of the School cover almost all of the main branches of the subject. Extensive information about the subject and the School is available on the School web-site: www.psych.usyd.edu.au. A normal three year sequence required for a major in Psychology is: PSYC1001, 1002, 2011, 2012, 2013, 2014, and at least four Senior units of study selected from PSYC3010*, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, and HPSC3023. Mid-year entry is possible and involves modification of this sequence. (*Required for entry to Fourth Year).

Registration and noticeboards

Students in all years must register during the orientation period. PSYC1001 students register by going to the Carslaw Building during orientation and collecting a personalised computer generated timetable, or by obtaining their timetables through MyUni, which will indicate the lecture times and the tutorial group to which they have been allocated. Further information will be posted at the Enrolment Centre and on the Junior Psychology noticeboard on the 4th floor of the Old Teachers College building.

Enquiries

The main enquiry office of the School is Room 325, Level 3 Brennan MacCallum Building, A18 (tel. 9351 2872). Staff members available to discuss particular courses may be contacted directly or through this office.

Honours

In order to be eligible to enter Psychology Honours, it is necessary (except as provided in the by-laws or resolutions) to gain a year average of at least Pass with Credit in Intermediate and in Senior Psychology units of study constituting a major in Psychology, and must include PSYC3010. Students wishing to graduate with Honours in Psychology are urged to discuss their choice of other subjects with a Faculty adviser as soon as practicable. There is currently a quota on entry to Psychology Honours.

Examinations

Undergraduate units of study are examined at the end of each semester and include classwork by way of essays, reports or practical/laboratory work. At the beginning of each unit of study students are advised of the contributions of exam and classwork for assessment purposes.

Summer School: January-February

PSYC1001 and PSYC1002 are offered in the Sydney Summer School. Consult the Sydney Summer School website for more information: <http://www.summer.usyd.edu.au/>.

PSYC1001**Psychology 1001**

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week, plus 1 hour per week of additional web-based (self-paced) material related to the tutorial. **Assessment:** One 2.5hr exam, one 1000w essay, multiple tutorial tests, experimental participation.

Psychology 1001 is a general introduction to the main topics and methods of psychology, and is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1001 covers the following areas: subject matter and methods of psychology; basic statistics and measurement; behavioural neuroscience; applied psychology; social psychology; personality theory. This unit is offered in the Sydney Summer School. Consult the web site: <http://www.usyd.edu.au/summerschool/> for more information.

Textbooks

Psychology 1001 Handbook,
Texts under review - See School website

PSYC1002**Psychology 1002**

Credit points: 6 **Session:** Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week, plus 1 hour per week of additional web-based (self-paced) material related to the tutorial. **Assessment:** One 2.5 hour exam, one 1250 word research report, multiple tutorial tests, experimental participation.

Psychology 1002 is a further general introduction to the main topics and methods of psychology, and it is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1002 covers the following areas: human development; human mental abilities; learning, motivation and emotion; visual perception; cognitive processes. This unit is offered in the Sydney Summer School. Consult the web site: <http://www.usyd.edu.au/summerschool/> for more information.

Textbooks

Psychology 1002 Handbook
Texts under review - See School website

Intermediate units of study

PSYC2011**Brain and Behaviour**

Credit points: 6 **Teacher/Coordinator:** Dr Ian Johnston **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2111 **Assessment:** One 2 hour exam, one 1500 word practical report, one 1000 word essay and six fortnightly quizzes

This unit of study examines a range of phenomena and principles in learning and perception and their relations to underlying neural substrates. The emphasis in learning is on instrumental conditioning and the principle of reinforcement, ranging from applications of this principle to its neural substrates. Also covered are analyses of aversive-based learning, such as punishment and avoidance, and anxiety, together with related neurochemical mechanisms and the effects of various psychopharmacological agents on these processes. A number of perceptual phenomena will be studied (e.g., motion detection, recognition of faces, identification of emotion). A series of practical classes and demonstrations allow students to gain hands-on experience of how some of these principles and phenomena may be studied experimentally.

Textbooks

See school website

PSYC2012**Statistics & Research Methods for Psych**

Credit points: 6 **Teacher/Coordinator:** Dr Margaret Charles **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week, plus one 1 hour lecture and one 1 hour tutorial per fortnight. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2112 **Assumed knowledge:** Recommended: HSC Mathematics, any level **Assessment:** One 2 hour exam, three class tests, one 1000 word group project, one 1 hour mid-semester exam.

The aim is to introduce students to fundamental concepts in statistics as applied to psychological research. These include summary descriptive statistics, an introduction to the principles and practice of research design, and the use of inferential statistics. Building upon this framework, the unit of study aims to develop each student's expertise in understanding the rationale for, and application of, a variety of statistical tests to the sorts of data typically obtained in psychological research.

Textbooks

See school website

PSYC2013

Cognitive and Social Psychology

Credit points: 6 **Teacher/Coordinator:** Dr Karen Croot **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2113 **Assessment:** One 2 hour exam, one 1500-2000 word essay/report, one 1000-1500 word written practical exercise.

This unit expands the depth and range of topics introduced in the first year lectures on Cognitive Processes, Developmental Psychology and Social Psychology. Following an introductory lecture, the first section (16 lectures) on Cognitive Processes focuses on current theories of memory, attention and reasoning and discusses the methods and issues involved in investigating these processes in both healthy individuals and people with cognitive dysfunctions. The second section (6 lectures) on Developmental Psychology presents and evaluates evidence about the early influences on children's social and cognitive development. The final section (16 lectures) on Social Psychology continues an examination of social development across the lifespan from adolescence to late adulthood, followed by an examination of salient social constructs such as prejudice, group processes, altruism, affiliation and attraction.

Textbooks

Cognitive: See School website

Social: White, Hayes & Livesey (2005). Developmental Psychology from Infancy to Adulthood.

PSYC2014

Personality and Differential Psychology

Credit points: 6 **Teacher/Coordinator:** Dr Fiona White **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** PSYC (1001 and 1002) **Prohibitions:** PSYC2114 **Assessment:** One 2 hour exam, one 1500 word essay, one 1500 word report.

PSYC2014 is made up of two components: Theories of Personality and Differential Psychology (Individual Differences). The aim of the Personality component is to introduce students to a number of influential theories of personality. Students will be exposed to some conceptual analysis and expected to examine critically the various theories covered. The aim of the Differential Psychology component is to introduce key topics in the study and assessment of individual differences in various psychological attributes. Students are expected to gain an understanding about the major theories of intelligence, associated research methods, and the traditional areas of group differences.

Textbooks

Theories of personality component:

Sollard C. F., & Monte, R. N. (2006). Beneath the mask (8th Ed). NJ: John Wiley & Sons.

Differential Psychology component:

See School website

Senior units of study

PSYC3010

Advanced Statistics for Psychology

Credit points: 6 **Teacher/Coordinator:** Dr Sabina Kleitman **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2012 or 2112) plus at least one other Intermediate Psychology Unit of Study from PSYC (2011 or 2111), PSYC (2013 or 2113), PSYC (2014 or 2114). **Prohibitions:** PSYC3201 **Assessment:** One 2 hour exam, class test, 1500 word assignment, practical exercises.

This unit of study expands upon students' knowledge of the general linear model and its applications in the analysis of data from

psychological research. The first half of the course is focused on research for which analysis of variance would be appropriate, and develops students' ability to test more focused questions than can be answered by omnibus F tests. Issues that arise in testing contrasts, such as inflation of Type I error, will also be considered. In the second half of the course, students will further their understanding of multivariate techniques, such as multiple regression analysis.

Textbooks

See School web site

PSYC3011

Learning and Behaviour

Credit points: 6 **Teacher/Coordinator:** Dr Justin Harris **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114). **Prohibitions:** PSYC3209 **Assumed knowledge:** PSYC (2012 or 2112) **Assessment:** One 2 hour exam, one 2000 word prac report, tutorial assessment.

This unit addresses the fundamental concepts and more important research findings related to contemporary theories of associative learning in animals and humans. It examines the application of such fundamental research to issues such as drug use, food choice, and learned helplessness. It is designed to foster skills in reading primary sources in this area, and provide the opportunity for hands-on experience in carrying out a research project.

Textbooks

See School webpage

PSYC3012

Cognition, Language and Thought

Credit points: 6 **Teacher/Coordinator:** Dr Bruce Burns **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** PSYC (2013 or 2113) and at least one other Intermediate Psychology unit from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). **Prohibitions:** PSYC3205 **Assumed knowledge:** PSYC (2012 or 2112) **Assessment:** One 2 hour exam, 2000 word prac report, practical exercise(s).

This unit extends the theories and methods of investigating memory and attentional processes discussed in PSYC2013 to consider a number of domains of higher cognitive processing. One strand of the course will focus on language processing and consider how children learn language, the processes involved in speech perception and production, language comprehension and reading. The remainder of the course will deal with the cognitive processes involved in reasoning and decision-making. The practical program will expose students to a variety of the research methods used to investigate higher cognitive processes, develop their understanding of how these methods can be used to investigate hypotheses about mental processes and consider applications of cognitive research to real-world problems and issues.

Textbooks

See School website

PSYC3013

Perceptual Systems

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Colin Clifford Dr Alex Holcombe **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114) or ANAT2010 **Prohibitions:** PSYC3210 **Assumed knowledge:** PSYC2012 **Assessment:** One 2 hour exam, one 1500 word report, tutorial quiz, group presentation.

The unit covers at an advanced level selected topics in perception from the psychophysical, physiological and neuropsychological perspectives. Students are expected to gain an understanding of some of the major theoretical issues motivating current perceptual research, to appreciate the significance of basic perceptual research for understanding normal perceptual functioning, and to be able to evaluate the empirical and conceptual worth of research contributions.

Textbooks

See School website

PSYC3014**Behavioural and Cognitive Neuroscience**

Credit points: 6 **Teacher/Coordinator:** Prof Iain McGregor Dr Karen Croot
Session: Semester 2 **Classes:** Three 1 hour lectures and one 1 hour practical per week. **Prerequisites:** (PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114)) OR (ANAT2010 plus PCOL2011) **Prohibitions:** PSYC3204, PSYC3215 **Assumed knowledge:** PSYC (2113 or 2013)
Assessment: One 2 hour exam, one major essay/report 2000-2500 words, one 1000-1500 word written practical exercise.

This unit of study will focus on approaches to studying neurosciences incorporating molecular, pre-clinical and clinical models of brain function. These biological models of brain function will be linked with behavioural, affective and cognitive function and dysfunction. The implications of focal cognitive deficits in neurological patients for models of normal cognitive function will also be explored. Specific topics to be covered will be selected from the following areas: psychopharmacology, addiction, molecular neuroscience, sensorimotor integration, and the neural basis of learning and memory, language, visual cognition and praxis. In addition to lectures, a practical component will cover basic neuroanatomy, histology and neuropharmacology, and will introduce students to experimental and case-study approaches to studying neurosciences.

Textbooks

See School website

PSYC3015**Intelligence and Human Reasoning**

Credit points: 6 **Teacher/Coordinator:** Dr. Jens Beckmann **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC(2014 or 2114) and PSYC(2013 or 2113). **Assumed knowledge:** PSYC(2012 or 2112). **Assessment:** One 2 hour exam; one 2000 word essay; tutorial quizzes.

The aim of this unit of study is to provide an overview of recent studies of human cognitive abilities and intelligence, and to build a critical platform from which both empirical evidence and theoretical propositions can be evaluated. Two broad methodological approaches will be considered, compared, and contrasted. (a) The individual differences approach which serves as the basis of much of contemporary psychological assessment in clinical, educational and organizational settings and (b) the experimental approach to cognitive abilities which use experimental methods to study the information-processing components that underlie intellectual performance (e.g., working-memory theories).

Textbooks

See school website.

PSYC3016**Developmental Psychology**

Credit points: 6 **Teacher/Coordinator:** Dr David Livesey **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2013 or 2113) and at least one other Intermediate Psychology unit from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). **Prohibitions:** PSYC3206 **Assessment:** One 2 hour exam, one 2000 word report.

This unit examines various theoretical approaches to human development and selected issues within Developmental Psychology. The major issues/controversies in developmental theory are examined in relation to a number of the more influential theoretical approaches. Students are expected to gain an understanding of the main theoretical influences upon current developmental research and to be able to compare and contrast theories of development. The second part of the unit introduces students to a range of issues in selected areas of contemporary Developmental Psychology. Students are expected to gain knowledge of these areas, and to develop a critical approach to the analysis of current research and theoretical issues. They are also expected to apply their knowledge in practical exercises involving observations of children.

Textbooks

White, Hayes & Livesey (2005) Developmental Psychology. Pearson Edn.

PSYC3017**Social Psychology**

Credit points: 6 **Teacher/Coordinator:** Dr Alan Craddock **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2013 or 2113) and at least one other Intermediate Psychology Unit of Study from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). **Prohibitions:** PSYC3212 **Assumed knowledge:** PSYC (2012 or 2112). **Assessment:** One 2 hour exam, one 2500 word research report, tutorial presentation.

PSYC3017 continues the coverage of topics in Social Psychology begun in PSYC1001 and PSYC2013. The unit is divided into topic areas, where the emphasis is on evaluating theories and the relevant evidence. Topics areas include social relationships, antisocial behaviours, applied social psychology (effects of the physical environment on social behaviour; jury decision making), social cognition, leadership, and cross cultural psychology. Tutorials provide first hand experience of research by involving students in a range of research projects on the topics covered in the lectures. The tutorials also provide an opportunity for discussion of issues associated with these topics.

Textbooks

See School website.

PSYC3018**Abnormal Psychology**

Credit points: 6 **Teacher/Coordinator:** Dr Marianna Szabo **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2014 or 2114) and at least one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2013 or 2113). **Prohibitions:** PSYC3203 **Assumed knowledge:** PSYC2012 **Assessment:** One 2 hour exam, one 2000 word essay, tutorial presentation.

This unit of study critically examines core issues in Abnormal Psychology, concerning the description, explanation and treatment of psychological disorders. The unit of study will include topics such as: (a) Adult abnormal psychology: Anxiety disorders (specific phobias, panic disorder, agoraphobia, OCD); Addictive disorders (drug, alcohol, gambling); Eating disorders (anorexia nervosa, bulimia nervosa); Mood disorders (dysthymia, major depressive disorder, cyclothymia, bipolar disorder); Schizophrenia, Personality disorders. (b) Child abnormal psychology: Learning disabilities, Mental retardation, Pervasive developmental disorders, Attention Deficit Hyperactivity disorder; Conduct disorder; Anxiety disorders, Depression.

Textbooks

See School website.

PSYC3019**Communication and Counselling**

Credit points: 6 **Teacher/Coordinator:** Dr Alan Craddock **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC2013 and one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112) and PSYC (2014 or 2114). **Prohibitions:** PSYC3214 **Assumed knowledge:** PSYC (2012 or 2112). **Assessment:** One 2 hour exam, one 2500 word report, quiz.

Communication: This part of the unit is concerned with understanding how interpersonal communication occurs in a face to face context. The emphasis will be on the structure of language and non-language components that compose the message and the extent to which that message is correctly decoded. **Counselling:** This part of the unit of study aims to provide an introduction to counselling psychology, to critically examine the theoretical foundations of counselling processes and to consider relevant empirical research.

Textbooks

See School website.

Psychology Honours*Prerequisites for admission*

A Major in Psychology with Credit average or better across both the Intermediate and Senior Psychology* Units of Study comprising the 48 credit points of Intermediate and Senior Psychology Units that constitute the minimum required for the major. PSYC (3010 or 3201) must be included in the Senior Units. BPsych students should consult

resolutions in chapter 6. School permission required. Due to restricted resources for research supervision, the intake to Psychology Honours will be limited to approximately 80 students and will be determined by academic merit in Intermediate and Senior Psychology.

Assessment

Formal exams in Ethics and Issues in Psychology and in Research Methods; report of empirical research project; theoretical thesis or assessment in three Special Fields modules. Students are required to (a) devise, conduct and report upon an empirical research project (research area dependent on interests and specialities of staff members); (b) write a theoretical thesis or attend two Special Fields

seminars and complete required assessment tasks; and (c) attend one lecture series in Ethics and Issues in Psychology and two series of lectures in Research Methods.

HPSC3023 Psychology & Psychiatry History & Phil

HPSC3023 Psychology & Psychiatry History & Phil can be counted towards a Psychology Major. Successful completion of this unit of study is essential for students intending to take the Theoretical Thesis option in Psychology Honours.

Virology

Details for Virology units can be found under the Microbiology entry.

8. Degree regulations and policies

Resolutions of the faculty relating to the Bachelor of Education and Bachelor of Social Work and combined degrees

[Section 1]

1. Pass degree and degree with honours

- 1.1 The degree of Bachelor of Education shall be awarded in two grades, namely, the pass degree and the degree with honours.
- 1.2 There shall be two classes of honours, namely, Class I and Class II and within Class II there shall be two divisions, namely division 1 and division 2.

2. Units of study of enrolment undertaken in other faculties

- 2.1 A candidate for the degree who enrolls in accordance with these resolutions in a unit of study prescribed for a degree offered by the Faculties of Arts, Science or Economics and Business shall satisfy the prerequisites, corequisites and other requirements prescribed for such unit of study for that other degree.

3. Transitional provisions

- 3.1 These resolutions shall apply to all persons enrolled as of 1 January 2006 in an undergraduate program of the Faculty of Education and Social Work; notwithstanding any resolutions in place at the time the candidate enrolled in the degree.

Programs of study – pass degree

Primary Education

1. Except with the permission of the Faculty, a candidate for the degree in Primary Education shall complete the following program of units of study:
 - 1.1 *Year I*
 - 1.1.1 Junior units of study in Education, as specified in the *Table of units of study*, with a total value of 12 credit points; and
 - 1.1.2 Science Foundations 1 and Science Foundations 2;
 - 1.1.3 Junior units of study in Professional Studies in Primary education, as specified for Year 1 in the *Table of units of study*, with a total value of 12 credit points; and
 - 1.1.4 Junior or First Year, 100 level, units of study comprising a full year of study in a subject area, 12 credit points, offered by a department or school within either of the Faculties of Arts, Science or Economics and Business.
 - 1.2 *Year II*
 - 1.2.1 Senior, 200 level, units of study in Education taken as specified in the *Table of units of study*, total of 12 credit points; and
 - 1.2.2 Program of 200 level units of study in Curriculum and Professional Studies in Primary Education as specified in the *Table of units of study*, total value of 24 credit points; and
 - 1.2.3 Either:
 - 1.2.3.1 Senior, 200 level units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Arts; or
 - 1.2.3.2 Intermediate units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Science; or
 - 1.2.3.3 Second Year units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Economics and Business.
 - 1.3 *Year III*
 - 1.3.1 Senior, 300 level, units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points.

- 1.3.2 Program of Senior, 300 level, units of study in Curriculum and Professional Studies in Primary Education taken from those listed in the *Table of units of study*, including specified units, total of 36 credit points.

1.4 *Year IV*

- 1.4.1 Senior, 300 level, units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points;
- 1.4.2 Program of Senior, 400 level, units of study in Curriculum and Professional Studies in Primary Education taken from those listed in the *Table of units of study*, including specified units total of 36 credit points.

Secondary Education

Human Movement and Health Education

1. Except with the permission of the Faculty, a candidate for the degree in Secondary Education in the areas of human movement and health education shall complete the following program of units of study:
 - 1.1 *Year I*
 - 1.1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
 - 1.1.2 Human Bioscience and Sports Mechanics; 12 credit points and
 - 1.1.3 Junior units of study in Professional Studies in Human Movement and Health Education, as specified for Year I in the *Table of units of study*, total of 12 credit points; and
 - 1.1.4 Junior or First Year, 100 level, units of study comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school in either of the Faculties of Arts, Science or Economics and Business.
 - 1.2 *Year II*
 - 1.2.1 Senior, 200 level, units of study in Education taken as specified in the *Table of units of study*, total of 12 credit points; and
 - 1.2.2 Program of 200 level units of study in Curriculum and Professional Studies in Human Movement and Health Education, as specified in the *Table of units of study*, total of 24 credit points;
 - 1.2.3 Units of study chosen from the following:
 - 1.2.3.4 Senior, 200 level, units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Arts; or
 - 1.2.3.5 Intermediate units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Science; or
 - 1.2.3.6 Second Year level units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school in the Faculty of Economics and Business.
 - 1.3 *Year III*
 - 1.3.1 Senior, 300 level units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points and
 - 1.3.2 Program of Senior, 300 level, units of study in Curriculum and Professional Studies in Human Movement and Health Education as specified, in the *Table of units of study*, total of 36 credit points.
 - 1.4 *Year IV*
 - 1.4.1 Senior, 300 level, units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points;
 - 1.4.2 Program of 400 level units of study in Curriculum Professional Studies in Human Movement and Health Education, taken from those listed in the *Table of units of study*, including specified units, comprising a full year of study, total of 36 credit points.

Design and Technology (no intake after 2005)

1. Eligibility for admission

1.1 The Faculty may admit to candidature for the degree a person who:

- 1.1.1 has successfully completed a Level 4 TAFE Certificate in either Hospitality (Catering Operations) or Information Technology (Client Support); or
- 1.1.2 has completed other qualifications deemed by the Faculty to be equivalent.

2. Requirements for the degree

- 2.1 Candidature for the degree is full-time.
- 2.2 Candidates qualify for award of the degree by completing successfully units of study giving credit for a total of 192 credit points, of which the equivalent of 88 shall be undertaken at TAFE.
- 2.3 Successful completion of 104 credit points, as stipulated in the Resolutions of Faculty, shall be required for award of the degree.
- 2.4 Except with the permission of the Faculty, a candidate for the degree Design and Technology shall complete the following program of study:
 - 2.4.1 *Year II*
 - 2.4.1.1 Design Fundamentals 1A and 1B: Applied Studies undertaken at TAFE; and
 - 2.4.1.2 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
 - 2.4.1.3 Information Processes and Technology I and II; or Food Science I and II; and
 - 2.4.1.4 Teaching Technology 1A and 1B; and
 - 2.4.1.5 Teaching and Learning 1 (D & T).
 - 2.4.2 *Year III*
 - 2.4.2.1 Design Fundamentals 2A and 2B: Applied Studies undertaken at TAFE; and
 - 2.4.2.2 EDUF 2006 and EDUF 2007; and
 - 2.4.2.3 Teaching Technology 2A and 2B; and
 - 2.4.2.4 Professional Experience I (40 days).
 - 2.4.3 *Year IV*
 - 2.4.3.1 Senior, 300 level, units in Education taken from those listed in *Table of units of study*, including specified units, total 12 credit points; and
 - 2.4.3.2 Teaching Design and Technology IIIA and IIIB; and
 - 2.4.3.3 Teaching and Learning 2 (D & T); and
 - 2.4.3.4 Teaching Technology (VET): Hospitality I and II; or
 - 2.4.3.5 Teaching Technology (VET): Information Technology I and II; and
 - 2.4.3.6 Food Science III and IV; or
 - 2.4.3.7 Software Design and Development I and II; and
 - 2.4.3.8 Professional Experience II (40 days); and
 - 2.4.3.9 Graduating Design Project.

Aboriginal Studies

1. Eligibility for admission

- 1.1 The Faculty may admit to candidature for the degree an Aboriginal or Torres Strait Islander person who:
 - 1.1.1 is qualified for the award of the Diploma in Education (Aboriginal) of The University of Sydney, or
 - 1.1.2 has completed other qualifications deemed by the Faculty to be equivalent.

2. Requirements for the degree

- 2.1 Candidates qualify for award of the degree by completing successfully units of study giving credit for a total of 96 credit points.
- 2.2 Except with the permission of the Faculty, a candidate for the degree in Aboriginal Studies shall complete the program of units of study as set out in the *Table of units of study*.

Combined courses

Bachelor of Education (Secondary: Humanities and Social Sciences)/Bachelor of Arts

Bachelor of Education (Secondary: Mathematics)/Bachelor of Science or Bachelor of Science (Advanced)

Bachelor of Education (Secondary: Science)/Bachelor of Science or Bachelor of Science (Advanced)

Bachelor of Education (Secondary)/Bachelor of Science (Psychology)

Bachelor of Education (Secondary)/Bachelor of Arts (Psychology)

- 1.1 Candidature for the degrees in the combined courses is full-time.
- 1.2 Candidates qualify for the award of the degrees in the combined course by completing 240 credit points.
- 1.3 Candidates may, after two years of candidature in the combined course, abandon the combined course and elect to complete either degree in the combined course in accordance with the Resolutions of Senate governing that degree.
- 1.4 Candidates will be under the supervision of the Faculty of Education and Social Work for the duration of the combined course. If a candidate elects to abandon the combined course and elects to complete the degree in the other Faculty, he/she will then be under the supervision of the other Faculty.
- 1.5 Candidates who qualified for either/or both of the degrees and who are otherwise qualified to do so may complete the degree with honours, according to the Resolutions of the Senate governing that degree.
- 1.6 Candidates in Bachelor of Education (Secondary)/Bachelor of Science (Psychology), Bachelor of Education (Secondary)/Bachelor of Arts (Psychology) must obtain a credit average in Psychology I to progress to Psychology II and a credit average in Psychology II to progress to Psychology III and a credit average in Psychology III to progress to Psychology IV.
- 1.7 Psychology Honours will be awarded in accordance with the guidelines set out in the Faculty of Science Resolutions.
- 1.8 The Deans of both Faculties shall jointly exercise authority in any matter concerning the combined course program not otherwise dealt with in the Resolutions of Senate or these Resolutions.

Programs of study – combined degree

Humanities and Social Sciences

1. Year I

- 1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
- 1.2 Junior units of study offered by the Faculty of Arts, total of 12 credit points, in approved teaching area, selected from *Table A or Table B*; and
- 1.3 Junior units of study offered by a department or school within the Faculty of Arts, total of 12 credit points, in approved teaching area, selected from *Table A*; and
- 1.4 Junior units of study offered by either of the Faculty of Arts, Science or Economics and Business, total of 12 credit points selected from *Table A or Table B*.

2. Year II

- 2.1 Senior units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
- 2.2 Senior units of study, in Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 6 credit points; and
- 2.3 Senior units of study, total of 12 credit points, offered by a department or school within the Faculty of Arts, in selected teaching area from *Table A*, being the major sequence; and
- 2.4 Senior units of study, total of 12 credit points, offered by either of the Faculties of Arts, Science or Economics and Business, in selected teaching area from *Table A or Table B*, being the minor sequence.

3. Year III

- 3.1 Senior, unit of study in Education selected from the *Table of units of study*, total of 6 credit points; and
- 3.2 Senior units of study in Curriculum and Professional Studies in Secondary Education, selected from the *Table of units of study*, including specified units, total of 30, credit points; and
- 3.3 Senior units of study total of 12 credit points offered by the Faculty of Arts, in selected teaching area, from *Table A*, being the major sequence.

4. Year IV

- 4.1 Two senior 300 level, units of study in Education, selected from the *Table of units of study*, including specified units, total of 12 credit points;
- 4.2 Senior units of study in Curriculum and Professional Studies in Secondary Education selected from the *Table of units of study*, including specified units, total of 24 credit points; and

- 4.3 Senior units of study, total of 12 credit points, offered by the Faculty of Arts, in selected teaching area from *Table A*, being the major sequence.
5. **Year V**
- 5.1 Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 24 credit points;
- 5.2 Senior units of study, 24 credit points, in the major sequence to complete requirements for award of the Bachelor of Arts.

Mathematics

1. **Special provisions**
 - 1.1 A student may proceed concurrently to the degrees of Bachelor of Education and Bachelor of Science or Bachelor of Science (Advanced Mathematics). Refer to *Section 3* below.
 - 1.2 No more than 100 credit points may be from Junior units of study.
2. **Program of study**
 - 2.1 **Year I**
 - 2.1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
 - 2.1.2 Junior units of study in Mathematics, offered by the School of Mathematics and Statistics in the Faculty of Science, total of 12 credit points; and
 - 2.1.3 Junior units of study offered by the Faculty of Science, total of 12 credit points, in an approved teaching area, selected from *Science Table 1*; and
 - 2.1.4 Junior units of study offered by the Faculty of Science total of 12 credit points.
 - 2.2 **Year II**
 - 2.2.1 Senior units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
 - 2.2.2 Senior units of study, in Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 6 credit points; and
 - 2.2.3 Intermediate units of study, 12 credit points, in Mathematics and Statistics; and
 - 2.2.4 Intermediate units of study offered by the Faculty of Science, total of 12 credit points, in the second approved teaching area selected from *Science Table 1*.
 - 2.3 **Year III**
 - 2.3.1 Senior units of study in Education, selected from the *Table of units of study*, 6 credit points; and
 - 2.3.2 Senior units of study in Curriculum and Professional Studies in Secondary Education taken from those listed in the *Table of units of study*, including specified units, total of 30 credit points; and
 - 2.3.3 Senior units of study in Mathematics and Statistics, 12 credit points, offered by the Faculty of Science.
 - 2.4 **Year IV**
 - 2.4.1 Two Senior, 300 level, units of study in Education selected from the *Table of units of study*, including specified units, total of 12 credit points; or
 - 2.4.2 Senior units of study in Curriculum and Professional Studies in Secondary Education selected from the *Table of units of study*, including specified units, total of 24 credit points; and
 - 2.4.3 Senior units of study in Mathematics and Statistics, 12 credit points, offered by the Faculty of Science.
 - 2.5 **Year V**
 - 2.5.1 Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 24 credit points;
 - 2.5.2 Senior or intermediate units of study, 24 credit points, to complete requirements for award of the Bachelor of Science (Mathematics).
3. **Requirements for award**
 - 3.1 To qualify for the award of the pass degree in an Advanced stream of the BSc degree, a student shall complete the requirements for the BSc degree according to these resolutions and those of the Faculty of Science and, in addition, and except with the permission of the Dean of the Faculty of Science:
 - 3.1.1 include at least 16 credit points of Intermediate units of study at either the Advanced level or as TSP units;
 - 3.1.2 include at least 24 credit points of Senior units of study at the Advanced level or as TSP units in a single Science subject area; and

- 3.1.3 maintain in Intermediate and Senior units of study at the Advanced level in Science subject areas an average of 65 or greater in each year of enrolment.

Science

1. **Special provisions**
 - 1.1 A student may proceed concurrently to the degrees of Bachelor of Education and Bachelor of Science or Bachelor of Science (Advanced). Refer to *Section 3* below.
 - 1.2 No more than 100 credit points may be from Junior units of study.
2. **Program of study**
 - 2.1 **Year I**
 - 2.1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
 - 2.1.2 Junior units of study in Mathematics, offered by the School of Mathematics and Statistics in the Faculty of Science, equivalent to 12 credit points; and
 - 2.1.3 Junior units of study offered by the Faculty of Science, equivalent to 12 credit points, in an approved teaching area, selected from *Science Table 1*; and
 - 2.1.4 Junior units of study offered by the Faculty of Science in an approved teaching area, equivalent to 12 credit points selected from *Science Table 1*.
 - 2.2 **Year II**
 - 2.2.1 Senior, 200 level, units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
 - 2.2.2 Senior units of study, in Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 6 credit points; and
 - 2.2.3 Intermediate units of study in the minor sequence, 12 credit points, offered by the Faculty of Science selected from *Science Table 1*; and
 - 2.2.4 Intermediate units of study in the major sequence, 12 credit points, offered by the Faculty of Science selected from *Science Table 1*.
 - 2.3 **Year III**
 - 2.3.1 Senior units of study in Education, selected from the *Table of units of study*, total of 6 credit points; and
 - 2.3.2 Senior units of study in Curriculum and Professional Studies in Secondary Education, selected from the *Table of units of study*, including specified units, total of 30 credit points; and
 - 2.3.3 Senior units of study in major sequence, total of 12 credit points, offered by the Faculty of Science, selected from *Science Table 1*.
 - 2.4 **Year IV**
 - 2.4.1 Two Senior, 300 level, units of study in Education selected from the *Table of units of study*, including specified units, total of 12 credit points;
 - 2.4.2 Senior units of study in Curriculum and Professional Studies in Secondary Education, selected from the *Table of units of study*, including specified units, total of 24 credit points; and
 - 2.4.3 Senior units of study in the major sequence, total of 12 credit points, offered by the Faculty of Science, selected from *Science Table 1*.
 - 2.5 **Year V**
 - 2.5.1 Curriculum and Professional Studies in Secondary Education as specified in the *Table of units of study*, 24 credit points; and
 - 2.5.2 Senior or intermediate units of study, 24 credit points, in the major sequence, to complete requirements for award of the Bachelor of Science (Science).
3. **Requirements for award**
 - 3.1 To qualify for the award of the pass degree in an Advanced stream of the BSc degree, a student shall complete the requirements for the BSc degree according to these resolutions and those of the Faculty of Science and, in addition, and except with the permission of the Dean of the Faculty of Science:
 - 3.1.1 include at least 16 credit points of Intermediate units of study at either the Advanced level or as TSP units;
 - 3.1.2 include at least 24 credit points of Senior units of study at the Advanced level or as TSP units in a single Science subject area; and
 - 3.1.3 maintain in Intermediate and Senior units of study at the Advanced level in Science subject areas an average of 65 or greater in each year of enrolment.

School Counselling/Science

1. **Year I**
 - 1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
 - 1.2 Specified Junior units of study in Psychology, 12 credit points; and
 - 1.3 Junior units of study in Science, 24 credit points, of which 12 credit points must be in Mathematics and 12 in Chemistry.
2. **Year II**
 - 2.1 Units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
 - 2.2 Specified Intermediate level units of study in Psychology, 18 credit points; and
 - 2.3 Intermediate level units of study selected from *Science Table 1*, 12 credit points, which must be in the selected Science teaching subject.
3. **Year III**
 - 3.1 Units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
 - 3.2 Specified Senior units of study in Psychology, 30 credit points.
4. **Year IV**
 - 4.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 24 credit points; and
 - 4.2 Specified units of study in Psychology, 24 credit points.
5. **Year V**
 - 5.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 16 credit points; and
 - 5.2 Specified units of study in Psychology, 20 credit points; and
 - 5.3 Senior units of study selected from *Science Table 1*, 12 credit points, to complete study in the Science teaching subject.

School Counselling/Arts

1. **Year I**
 - 1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
 - 1.2 Specified Junior units of study in Psychology, 12 credit points; and
 - 1.3 Junior units of study in Arts, 24 credit points, of which 12 must be in the selected teaching subject.
2. **Year II**
 - 2.1 Units of study in Education, as specified in the *Table of units of study*, total of 14 credit points; and
 - 2.2 Specified Intermediate level units of study in Psychology, 16 credit points; and
 - 2.3 Senior level units of study selected from *Arts Table A*, 18 credit points, which must be in the selected teaching subject.
3. **Year III**
 - 3.1 Units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
 - 3.2 Specified Senior units of study in Psychology, 30 credit points.
4. **Year IV**
 - 4.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 24 credit points; and
 - 4.2 Specified units of study in Psychology, 24 credit points.
5. **Year V**
 - 5.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 16 credit points; and
 - 5.2 Specified units of study in Psychology, 20 credit points; and
 - 5.3 Senior units of study selected from *Arts Table A*, 12 credit points, to complete study in the Arts teaching subject.

Requirements for award of the Bachelor of Education with honours

1. **Subject areas for award of degree with honours**
 - 1.1 Honours shall be awarded on the basis of weighted average marks in all education units of study in years two, three and four including failures but excluding professional experience units of study for which the result is R, (satisfied requirements).
 - 1.1.1 Year 2 units of study will be weighted: 1.
 - 1.1.2 Year 3 units of study shall be weighted: 2.
 - 1.1.3 Year 4 units of study will be weighted: 2, except for EDUF4044 Reading and Designing Research which will be weighted: 3.

2. The degree of Bachelor of Education shall be awarded in two grades, namely pass and honours.
- 2.1 The WAM is calculated by summing the products of the marks achieved and the weighted credit point values of the Education units of study taken in years two, three and four in the degree and then dividing by the sum of the weighted credit points, with all attempts at units of study being included in the calculation, except where units of study are discontinued with permission. For the formula of the WAM, see *Glossary*.
- 2.2 The weighted average mark shall be calculated and grades of honours will be awarded (for the following weighted average marks) as follows:

Marks	Class of honours
80–100	1
75–79	2/1
70–74	2/2

3. In awarding honours (at graduation), the Faculty will, in addition to the WAM, take into account the length of time taken to complete the course and performance in professional experience in Education
4. In order to be considered for the award of the University Medal, a student must obtain a WAM of 85 or greater over years two, three and four in Education units of study, and must achieve a mark of 90 or greater in EDUF4044 Reading and Designing Research. The decision to award a University Medal shall be made by the Faculty.
5. Where students are selected to participate in exchange programs the marks received at the other institution will not be converted for the purposes of weighted average marks.
6. Candidates pursuing honours in the Faculty of Education and Social Work shall be enrolled in one of the following professional degrees:
 - 6.1 Primary Education;
 - 6.2 Secondary Education (Human Movement and Health Education);
 - 6.3 Bachelor of Education (Secondary Education: Humanities and Social Sciences)/Bachelor of Arts;
 - 6.4 Bachelor of Education (Secondary Education: Science)/Bachelor of Science;
 - 6.5 Bachelor of Education (Secondary Education: Mathematics)/Bachelor of Science.

Bachelor of Social Work

1. **Requirements for the pass degree**
 - 1.1 **Year 1**
 - 1.1.1 Junior units of study in Sociology as specified in the *Social Work Table of units of study*, total of 12 credit points; and
 - 1.1.2 Junior units of study selected from those offered by the Faculty of Arts, total of 36 credit points.
 - 1.2 **Year II**
 - 1.2.1 Senior units of study in Sociology as specified in the *Social Work Table of units of study*, total of 12 credit points; and
 - 1.2.2 Senior unit of study in Aboriginal Studies as specified in the *Social Work Table of units of study*, total of 6 credit points; and
 - 1.2.3 Senior units of study in Social Work as specified in the *Social Work Table of units of study*, total of 12 credit points; or
 - 1.2.4 Intermediate units of study in Psychology as specified in the *Social Work Table of units of study*, total of 12 credit points; and
 - 1.2.5 Senior units of study offered by the Faculty of Arts, total of 18 credit points.
 - 1.3 **Year III**
 - 1.3.1 Senior units of study in Social Work as specified in the *Social Work Table of units of study*, total of 24 credit points; and
 - 1.3.2 Field Education 1 consisting of not fewer than 60 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).
 - 1.4 **Year IV**
 - 1.4.1 Senior units of study in Social Work as specified in the *Social Work Table of units of study*, total of 24 credit points; and

- 1.4.2 Field Education consisting of not fewer than 80 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).

2. Progression rules

- 2.1 A candidate shall proceed according to the following progression rules:
- 2.1.1 Except with the permission of the Faculty, a candidate shall not commence the third year without having obtained 96 credit points as outlined in the Social Work *Table of units of study*.
- 2.1.2 A candidate shall not attempt Field Education 1 without having obtained 120 credit points and having been approved as being ready to undertake field education.
- 2.1.3 A candidate shall not attempt the fourth year without having obtained 144 credit points.
- 2.1.4 A candidate shall not attempt Field Education 2A and 2B without having obtained 153 credit points.
- 2.1.5 A candidate shall not attempt IBL unit 4 without having obtained 177 credit points.
- 2.1.6 A candidate shall not attempt Integrative Studies 402 without having obtained 186 credit points.

Combined Arts/Social Work course

1. To qualify for the award of the degrees students must complete 240 credit points in total from the Faculty of Arts *Table of units of study* and the units of study prescribed for the third and fourth years of the Bachelor of Social Work, including:
 - 1.1 48 Junior credit points from the Faculty of Arts *Table of units of study*, including 12 Junior credit points of Sociology (units coded SCLG);
 - 1.2 a minimum of 66 Senior credit points from Part A of the Faculty of Arts *Table of units of study*, including a major. A Faculty of Arts major consists of 36 Senior credit points in a single subject area, or cross-listed between subject areas, as outlined in Section 4 The major and cross-listing;
 - 1.3 12 Senior credit points of Sociology (SCLG), as may be specified by the Coordinator of the combined degree program, and which may be included in the total of Senior credit points used to satisfy the requirements of 1.2;
 - 1.4 12 Intermediate credit points of Psychology (PSYC), as may be specified by the Coordinator of the combined degree program; or Psychology for Social Work 201 and 202;
 - 1.5 6 Senior credit points of Aboriginal Studies as may be specified by the Coordinator of the combined degree program;
 - 1.6 96 credit points from the units of study prescribed for the third and fourth years of the Bachelor of Social Work.
2. On written application to the Faculty of Arts, a student may abandon their candidature in the combined degree program and elect to transfer to the Bachelor of Arts degree in accordance with the Resolutions governing that degree at the time of transfer.
3. Candidates in the combined degree program will be under the general supervision of the Faculty of Arts until the end of the semester in which they complete the requirements for the award of the Bachelor of Arts degree.
4. After that they will be under the general supervision of the Faculty of Education and Social Work and will then complete the remaining requirements for the Bachelor of Social Work in accordance with the resolutions for that degree.
5. The Dean of the Faculty of Arts and the Dean of the Faculty of Education and Social Work shall jointly exercise authority in any matter concerning the combined degrees program not otherwise dealt with in these resolutions and/or in the General Faculty of Arts Resolutions relating to undergraduate degrees and combined degrees.

Honours course for Bachelor of Social Work

1. Honours shall be awarded in the following manner:
 - 1.1 The credit points in the third and fourth years shall be weighted as follows:
 - 1.1.1 Year III
 - 1.1.1.1 IBL unit 1: 2
 - 1.1.1.2 IBL Unit 2: 2
 - 1.1.1.3 Professional Practice: 2
 - 1.1.2 Year IV
 - 1.1.2.1 IBL unit 3: 3
 - 1.1.2.2 IBL unit 4: 4
 - 1.1.2.3 Integrative Studies 402: 4

2. A weighted average mark shall be calculated and grades of honours will be awarded for the following weighted average marks:

Marks	Class of honours
80–100	1
75–79	2/1
70–74	2/2

- 3.1 In awarding honours at graduation, the Faculty will take into account the performance of students generally, including the length of time taken to complete the course and performance in field education;
- 3.2 where students are selected to participate in exchange programs the marks received at the other institution will not be calculated for the purposes of weighted average marks.
- 4.1 If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal.
- 4.2 Where students are selected to participate in exchange programs the marks received at the other institution will not be calculated for the purposes of weighted average marks.

[Section 2]

Policies on Enrolment

1. Enrolment in more/less than minimum load

- 1.1 A candidate may not enrol in more than a total of 48 credit points, which must be Junior credit points, in the first two semesters of study, unless advanced standing or credit has been granted to permit enrolment in senior units.
- 1.2 Except with the permission of the Faculty, candidates for the degree may not enrol in additional units of study once the degree requirements, as stated in the resolutions relating to the particular course, have been satisfied.

2. Repeating a unit of study

- 2.1 Where a student enrolls in a unit of study offered by the Faculty of Education and Social Work which is the same as, or has a substantial amount in common with, a unit of study previously attempted but not completed at the grade of Pass or better, the Faculty may exempt the student from certain requirements of the unit of study if satisfied that the relevant competence has been demonstrated.
- 2.2 A student who has been awarded a Pass (Concessional) in a unit of study may repeat that unit, but if subsequently awarded a grade of Pass or better, no further credit points will be gained unless the unit of study previously had not been credited to the degree of Bachelor of Education or Bachelor of Social Work or, in respect of a combined degree, under resolutions relating to the Bachelor of Science or the Bachelor of Arts.
- 2.3 A student who has already passed a unit of study which has been credited to the course may not re-enrol in it in order to gain a better grade.

3. Cross-institutional study

- 3.1 Provided that permission has been obtained in advance, the Faculty may permit a student to complete a unit of study at another institution and have that unit credited to his/her course requirements provided that either:
 - 3.1.1 the unit of study content is material not taught in any corresponding unit of study in the University; or
 - 3.1.2 the student is unable, for good reason, to attend a corresponding unit of study at the University.

4. Restrictions on courses of enrolment

- 4.1 The Faculty of Education and Social Work has prescribed the following courses as mutually exclusive in satisfying the requirements for award of the degree:
 - 4.1.1 Life sciences mathematics A and Life sciences mathematics B (with normal units of junior Mathematics in Year 1);
 - 4.1.2 and Economics 1001, 1002 with Economics as a social science (ECOP 1001) and Structure and change in modern economics (ECOP 1002).
- 4.2 Except with the permission of the Faculty, candidates for the degree shall not:
 - 4.2.1 enrol in more than 48 credit points each year;
 - 4.2.2 proceed to the units of study prescribed for Year III until the candidate has fulfilled the requirements of Years I and II.

- 4.3 Except with the permission of the Faculty a candidate may not take a higher unit of study in any unit of study without having previously completed the lower unit(s) of study in the same unit of study or some other unit(s) of study allowed by the Faculty to count as equivalent.
5. **Satisfactory progress**
- 5.1 If a candidate for the degree fails or discontinues enrolment in one unit of study twice, the candidate may be asked to show good cause why he or she should be permitted to re-enrol in that unit of study.
- 5.2 The Faculty reserves the right not to place a student in a school or other professional experience setting for practicum in any instance where the performance, personal or professional conduct of the student does not meet the required standard, regardless of the fact that the student may be enrolled in the practicum.
- 5.2.1 Teachers and Principals are accountable to parents and school systems to provide quality learning opportunities and outcomes for pupils and they need to be confident that any student teachers placed under supervision in their schools can support and maintain teaching programs and standards.
- 5.2.2 Social work agencies are similarly accountable for their quality of service and need to be confident that any student placed under their supervision can meet all agency expectations in terms of performance and personal and professional conduct.
- 5.3 If a candidate for the degree fails to pass a minimum of 50 per cent (equivalent to 24 credit points) of the program of enrolment in each of any two consecutive years of candidature he or she shall be deemed not to have made satisfactory progress in the degree.
6. **Credit transfer policy**
- 6.1 A candidate who has completed work or a unit(s) of study towards a degree at this or another university, or towards an equivalent qualification at an appropriate institution, or as a non-award student, may be granted credit towards the degree of Bachelor of Education or the Bachelor of Social Work for up to half of the overall coursework requirements (96 credit points) provided that the content of the work or unit(s) of study is considered by the Faculty on the recommendation of the head of the school or department concerned to be equivalent to a unit(s) of study prescribed in section 1.
- 6.2 A candidate granted credit toward the degree under Section 6.1 shall:
- 6.2.1 count towards the degree all units of study so credited subject to the provisions of these resolutions;
- 6.2.2 not count toward the degree any unit(s) of study completed subsequently within the University of Sydney which overlaps substantially in content with the work or unit(s) of study upon which grant of credit was based;
- 6.2.3 complete all necessary qualifying units of study for the degree within such period of time and such number of years of candidature as the Faculty may determine having regard to the number of units of study credited, the length of time over which the unit(s) of study concerned were completed and the time limits for the completion of the degree prescribed under these resolutions.
- 6.3 Credit may be granted as specific or specified credit if the unit of study is considered to be directly equivalent to a unit of study in the Table of units of study for the Bachelor of Education or, Table of units of study for the Bachelor of Social Work or, in the case of the combined degrees, equivalent to a unit of study available for one of the degrees, or as non-specific or non-specified credit.
- 6.4 Unless otherwise permitted by Faculty a candidate shall not be granted credit towards the degree for or on the basis of any unit(s) of study:
- 6.4.1 completed more than five years prior to admission or re-admission to candidature for Bachelor of Education or combined Education students, and in the case of social work students, nine years;
- 6.4.2 equivalent to more than 48 credit points upon which the candidate has relied or intends to rely in order to satisfy requirements for award of another degree or qualification.
- 6.5 A Social Work student will not be granted credit for field education or work experience.
- 6.6 A citizen or permanent resident of Australia who holds a social work qualification obtained in a country other than Australia and which has been assessed by the National Office of

Overseas Skills Recognition or the Australian Association of Social Workers as being equivalent to three years of full-time tertiary degree level social work study in Australia, may be admitted to the fourth year.

7. Time limits

- 7.1 Unless otherwise permitted by Faculty a candidate shall complete all the requirements for award of the degree within eight calendar years of admission or re-admission to candidature.

8. Suspension of candidature

- 8.1 Unless suspension of candidature has been approved by Faculty, a candidate for the degree is required to re-enrol each calendar year.
- 8.2 Except where the Faculty determines otherwise in any particular case, a candidate who re-enrols after a suspension of candidature for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment.

9. Lapse of candidature

- 9.1 Unless the Faculty otherwise determines in any particular case, candidature for the degree will be deemed to have lapsed if a candidate has:
- 9.1.1 not completed all the requirements for award of the degree in accordance with resolutions; or
- 9.1.2 not re-enrolled for the degree as required in accordance with resolution 8.
- 9.2 A candidate whose candidature has been deemed to have lapsed in accordance with section 9.1 shall not re-enrol as a candidate for the degree unless again selected for admission.

Policies on variation, withdrawal and discontinuation of enrolment

Candidates wishing to change a unit of study in which they have enrolled should do so through the Intranet at University Student Administration Services website or at the Faculty of Education and Social Work Office by Friday 30 March 2007 for Semester 1 and Friday 31 August 2007 for Semester 2.

1. Enrolment

- 1.1 Students are responsible for seeking academic advice about enrolment and checking the Confirmation of Enrolment advice mailed to them each semester. Any anomalies must be reported to the Faculty of Education and Social Work Office staff prior to the HECS Census Date.
- 1.2 Students who are not enrolled in a unit of study may not carry over results to subsequent semesters.
- 1.3 Candidates who fail to complete units of study in which they enrol receive one of four results: "Withdrawn", "Discontinued - Not to count as failure", "Discontinued - Fail" or "Absent Fail".

2. Withdrawal

- 2.1 This is the same as if the candidate had not enrolled in the unit of study concerned. Although the University has a record of the withdrawal, the unit of study and result will not appear on the official transcript of academic record.
- 2.2 In order to have a unit of study enrolment recorded as "withdrawn", students must vary their own enrolment on the Web or notice must be given by the candidate to the Faculty of Education and Social Work Office on or before the deadline. For Semester 1 or Full Year units of study the deadline is Thursday 31 March 2006; for Semester 2 units of study the deadline is Wednesday 31 August 2006.

3. Discontinued - not to count as failure

- 3.1 This does not count as an attempt at the unit of study, but does appear on the candidate's academic record.
- 3.2 After the deadline for withdrawal has passed a candidate may have enrolment recorded as "discontinued with permission" where:
- 3.2.1 evidence is produced of serious illness or misadventure; or
- 3.2.2 notice is given to the Faculty of Education and Social Work Office on or before the deadline.
- 3.3 The deadlines for discontinuation with permission without having to produce evidence of serious illness or misadventure are:
- 3.3.1 for Semester 1 units of study: the end of the 7th week of lectures;
- 3.3.2 for Semester 2 units of study: on or before the 7th week of lectures.

4. Discontinued - fail

- 4.1 This counts as an unsuccessful attempt at the unit of study concerned and appears on the candidate's academic record.
- 4.2 Except with Faculty permission, candidates may not repeat a unit of study which they have failed or discontinued more than once.
- 4.3 In order to have "discontinued" recorded, notice must be given to the Faculty of Education Office on or before the last day of lectures for the unit of study:
- 4.3.1 for Semester 1 units of study the deadline is Friday 10 June 2005;
- 4.3.2 for Semester 2 units of study the deadline is Friday 28 October 2005.
- 4.4 If a candidate misses the deadline and does not sit the final examination, the result recorded is "absent fail".

Policy regarding special consideration, leave of absence and attendance**1. Special Consideration****1.1 Application**

- 1.1.1 Students, who for reasons of serious ill health or serious misadventure as outlined in Academic Board policy on Special Consideration may apply for Special Consideration in their Course or units of study.
- 1.1.2 In the Faculty of Education and Social Work these further grounds for Special Consideration will also be considered:
- 1.1.2.1 having been granted leave of absence by the Faculty of Education and Social Work (see advice on this elsewhere);
- 1.1.2.2 applications related to disability or health status. In this case the application should be made well before the activities, including assessment tasks for which Special Consideration is sought.
- 1.1.3 Where requests for re-submission of assignments, extensions or make-up examinations can satisfy a student's needs, an application for Special Consideration should not be necessary.
- 1.1.4 Where consideration for a particular assignment or assessment task is sought however, the application for Special Consideration will not be accepted more than seven days following the assessment due date or task (including examination).
- 1.1.5 Students have the obligation to make themselves aware of Faculty and University policy on Special Consideration. University policy is available on the following website: <http://db.auth.usyd.edu.au/policy/>.
- 1.1.6 The Special Consideration form is available from the Faculty of Education and Social Work office, or the website of the Faculty of Education and Social Work. With the Special Consideration form is supplied a Professional Practitioner Certificate. This should be completed by a registered medical practitioner or professional counsellor. Certificates signed by family members are not acceptable. Other documentation may be supplied in applications as they are relevant to the application.

Note: Applications with relevant documentation must be supplied within one week from the end of the appropriate semester for which consideration is sought.

1.2 Submission

- 1.2.1 The form, with supporting documentation must be submitted to the Faculty of Education and Social Work Office where its submission will be recorded, and the form notarised/stamped.
- 1.2.2 A copy of the notarised/stamped form and all supporting documentation must be delivered by the student or his or her agent to each unit of study Coordinator or Course Coordinator from whom Special Consideration is sought.

1.3 Consideration

- 1.3.1 A judgement on any application must be made by two or more academic staff members. In the Faculty of Education and Social Work; this will normally be the Course Coordinator and a unit of study Coordinator.
- 1.3.1.1 Where the Special Consideration application concerns a student's progress in a Course as a whole, the Course Coordinator will have responsibility for the following process.
- 1.3.1.2 Where the application is directed towards a particular unit of study, the unit of study Coordinator will be responsible for the following process:

- 1.3.1.2.1 convening the meeting to consider applications for Special Consideration, normally within two weeks of the application being received by the Coordinator;
- 1.3.1.2.2 documenting accurately the process and decisions by which a judgement is made on the application;
- 1.3.1.2.3 reporting the outcome to the applicant in writing (this may occur by email);
- 1.3.1.2.4 implementing the judgement.
- 1.3.1.2.5 passing the file on to the Faculty Office for storage, being retained for at least one year following the final act of implementing the judgement;
- 1.3.1.2.6 meeting any reporting request concerning Special Consideration applications from the Dean or Associate Deans as required.
- 1.3.2 The two (or more) staff members are responsible for familiarising themselves with Faculty and Academic Board policy on Special Consideration, and in particular:
- 1.3.2.1 making informed and fair judgements;
- 1.3.2.2 respecting the privacy of any applicant.
- 1.4 Possible outcomes
- 1.4.1 Applications will not be accepted if they fail to meet Academic Board policy relating to the "seriousness" of the reasons for application. Nor may they be accepted if a student's needs are considered to be more appropriately met by standard requests for re-submission of assignments, extensions or make-up examinations.
- 1.4.2 The only exceptions to this rule are where an application for Special Consideration is made on the grounds applying specifically to the Faculty of Education and Social Work. See 1. above.
- 1.4.3 Where applications do meet the "seriousness" criterion:
- 1.4.3.1 in cases where the ability of an applicant to pass a unit of study is in doubt, the allocation of additional marks may not be used to assist an applicant;
- 1.4.3.2 consideration may be given through the following among other means: variation of attendance requirements, extensions for the submission of required work, the substitution of assignments for missed work, the granting of a make-up exam or the substitution of a new assignment for failed work. (Very often these remedies will require the submission of "incomplete" assessments at the conclusion of a unit until such time as the requirements of the Special Consideration resolution are met.)
- 1.4.3.3 assignments or examinations which students are normally required to complete in a unit of study in order to meet assessment requirements may not simply be removed as a result of the acceptance of an application. Arrangements must be made for their completion (as above), or equivalent new assessment tasks set;
- 1.4.3.4 in no case may the acceptance of a Special Consideration application simply lead to the gratuitous granting of additional marks, either for specific assessment tasks or to vary the final mark and grade in a unit of study (but see also policy on aegrotat results).
- 1.4.4 Normally where an application for Special Consideration has been accepted, the course of action required to finalise a result in a unit of study, or to secure continued progress in a Course should have occurred by the end of the first week in any succeeding semester, but in all circumstances not longer than six months following the acceptance of an application for Special Consideration.
- 1.4.5 In some cases, the Faculty's recognition of the seriousness of the misadventure or illness suffered by a student may not necessarily lead to any remedy if the work missed has been too great. Re-enrolment in a unit of study in the next available semester may be the only possible course of action. This will certainly be the case if six weeks or more of lectures have been missed. In some circumstances it will be in the power of the Faculty to recommend the withdrawal of a HECS charge if the misadventure or illness occurs after an HECS census date.
- 1.4.6 Where a student wishes to contest the determination of an application for Special Consideration the Student Appeals process is available. The process is outlined at the following website: <http://policy.rms.usyd.edu.au/0000062.pdf>.
- 1.4.7 In any case an appeal is initially made to the appropriate course coordinator who shall be responsible for advising the student of the process involved with appeals.

2. Leave of Absence

- 2.1 In the Faculty of Education and Social Work, students may apply to their Course Coordinator for Leave of Absence.
- 2.2 An application form, including guidelines for its preparation, will be available from the Faculty Office or may be downloaded from the website of the Faculty of Education and Social Work.
- 2.3 Such Leave of Absence for limited periods may be granted to students with significant, usually international, national or state cultural or sporting commitments. Documentation from a relevant international, national or state, cultural or sporting organisation outlining the commitments of the student will be required before an application for leave is considered.
- 2.4 Where Leave of Absence is granted, the Course Coordinator will provide the student with a letter outlining the reason and period of leave.
- 2.5 Where such leave is granted, all unit of study Coordinators within the relevant Course are required to adjust the timing of assessment tasks and make any other concessions necessary. Such concessions will conform to those allowed in the granting of Special Consideration.
- 2.6 For other units of study within the Faculty of Education and Social Work, documentary evidence of leave of absence having been granted with its supporting documentation will provide significant supporting argument for applications for Extensions or Special Consideration.

3. Attendance

- 3.1 The Faculty of Education and Social Work requires attendance of at least 90 per cent of all workshops/seminars/tutorials.
- 3.2 In some units of study the attendance requirement may vary from the general requirement. (For example, 100 per cent attendance may be required for mandated training in child protection or for certain kinds of field-work.) Any variation from the general Faculty requirements on attendance will be made explicit in the appropriate Course handbook or unit of study outline.
- 3.3 Where a student is unable to attend at the required rate, excuse may be granted for limited periods on the production of evidence of illness, misadventure or Leave of Absence having been granted. For longer periods, Special Consideration may need to be applied for.
- 3.4 Where an excuse, Special Consideration or Leave of Absence has been accepted, work missed through lack of attendance must be made up independently and accepted as satisfactory before the unit of study Coordinator may recommend a final mark and grade.
- 3.5 Where no excuse, Special Consideration or Leave of Absence application has been accepted or granted, failure to meet attendance requirements will result in unit of study failure. The grade AF (Absent Fail) will be submitted.

Policy regarding assessment**1. Submission of assignments**

- 1.1 The Faculty of Education and Social Work requires assignments to be handed in by the due date, unless an extension of time has been granted (see policy on Extensions).
- 1.2 All submitted assignments are required to include the cover-sheet provided by the Faculty of Education and Social Work. This cover sheet requires a commitment to the University's policy on academic honesty. The cover-sheet is available from the Faculty Office or may be downloaded from the Faculty website.
- 1.3 The time by which an assignment shall be handed in on any due date is 5pm unless otherwise notified.
- 1.4 Always submit an assignment personally to the appropriate lecturer unless advised otherwise. Do not put it under a door or leave it on a desk. In some cases assignments are required to be delivered to a box, usually located in the foyer of the Education Building.
- 1.5 If granted permission by the unit of study Coordinator to do so, you may post an assignment to the appropriate lecturer. The post mark on the envelope must be on or before the due date. In most cases such date-marking is only available by registering the mail at a post office.
- 1.6 If granted permission to do so by the unit of study Coordinator, you may deliver your assignment electronically, also on or before the due date. (You must still meet the requirement of signifying that submitted work is your own.)

- 1.7 Always keep a copy of your assignment in case of accidental loss or the need for resubmission.

2. Late submission of assignments

- 2.1 In units of study where assignments are required to be submitted by a certain date, and where no extension has been granted, the following penalties shall apply. The penalty rate shall also apply if an assignment is late following the expiry of any extension granted.
- 2.2 Interpretation
 - 2.2.1 The word "day" means "working day", that is not including weekends or public holidays.
 - 2.2.2 1 day late means up to and including the 24 hours following the due time of submission, similarly 2 days late means between one day and up to a further 24 hours late and so on.

Days Late	Penalty
1 day late	5%
2 days late	10%
3 days late	15%
4 days late	20%
5 days late	25%
6 or more days late	no marks

- 2.3 The base mark from which the percentage will be calculated is the maximum mark for the assignment. (So if a student gets 25/50, but is 2 days late, 10 per cent of 50 is 5, and the final mark will be 20/50.)
- 2.4 Where an assignment is a compulsory task it may be in a student's interest to submit the assignment even if 6 or more days late to meet unit of study requirements, thereby avoiding automatic failure in a unit of study. In some units of study all assessment tasks must be passed to pass the unit. In that case, if submission of an assignment is 6 or more days late, the consequence will be failure in the unit of study.

3. Extensions

- 3.1 An extension may be sought by a student before the due date for the submission of an assignment (in most cases this will be before 5 pm on the due date unless otherwise notified).
- 3.2 The granting of an extension is a preferable means of dealing with an assessment task due date difficulty which might otherwise lead to a request for Special Consideration.
- 3.3 Students must use the "Request for extension" form available from the Faculty Office, or down-loaded from the Faculty website.
- 3.4 Students must not consider that they have been granted an extension until they have had the signed section of the "Request for extension" form returned to them, which also outlines the period of the extension.
- 3.5 Each unit of study outline or Course handbook will normally identify the person or persons from whom an extension may be sought. Otherwise it will be the unit of study Coordinator.
- 3.6 Extensions will normally be granted parsimoniously. They will be granted in terms of working days (not including weekends or public holidays), and rarely extend beyond 7 working days.
- 3.7 Grounds for the granting of an extension need to be substantial. Normally they would require documented evidence of illness or misadventure.
- 3.8 Where assignment due dates have been advertised well in advance (more than two weeks), the pressures arising from submissions of other academic work in a restricted time-period will not constitute a valid reason for the granting of an extension.

4. Resubmission of assignments and reassessment

- 4.1 The opportunity to resubmit failed assignments or equivalent assessment tasks is subject to the policy of specific Courses and in some cases, units of study. Such opportunities are outlined in Course handbooks or unit of study outlines.
- 4.2 Where such opportunities are not outlined, they are not normally available except in the following circumstance:
 - 4.2.1 If an assignment is clearly unsatisfactory only because the terms of the assignment have been misunderstood, the unit of study Coordinator concerned may allow the assignment to be resubmitted.

- 4.2.1.1 A resubmitted assignment is eligible for a Pass mark (51 per cent) only.
- 4.2.1.2 Where it is unsatisfactory a second time the second mark (less than 50 per cent) will be recorded. No assignment may be resubmitted more than once.
- 4.3 Any resubmission of assignment or reassessment task should conform to the following guidelines:
- 4.3.1 allow sufficient time for further instruction and/or learning to have occurred;
- 4.3.2 test the same content/skills as the first assessment task.
- 4.4 When an assignment is to be re-submitted after the date of return for the work of other students on the same assignment, it is recommended that the assignment topic be altered, though allowing for the testing of the same content/skills as above.
- 4.5 In some cases the outcome of an application for Special Consideration may also suggest the resubmission of assignments or reassessment.

5. Examinations and make-up examinations

- 5.1 Where a student cannot attend a scheduled examination for a good and serious reason, he or she may apply to a unit of study Coordinator for an alternative, make-up examination.
- 5.2 If the application is agreed to, the unit of study Coordinator shall designate an alternative time and place for examination and provide a new examination paper where appropriate.
- 5.3 If such application for make-up examination is not granted, the student may apply for Special Consideration given serious illness or misadventure as outlined elsewhere and in Academic Board policy (reproduced in the Results Processing Manual for Examiners).

6. Marking and grading

- 6.1 Where marks and grade constitute a summative assessment in any unit of study in the BED or BSW, the following table is used:

Marks	Grade
85–100	High Distinction
75–84	Distinction
65–74	Credit
50–64	Pass
0–49	Fail

- 6.2 Where the meeting of criteria (satisfactory/not satisfactory) is the means of assessment in any unit of study the following grades are awarded:

Criteria	Grade
R	Satisfied requirements
F	Fail

- 6.3 In the Faculty of Education and Social Work all written assignments or tests which are failed are to be monitored by the unit of study Coordinator.
- 6.4 In some cases, a second marking of the assignment may occur on the initiative of the Coordinator.
- 6.5 A student shall also have the right to request and receive a second marking of a written assignment where failure has occurred.
- 6.6 In both cases of second marking the student will be given the benefit of the doubt by the recording of the higher mark from the two markings.

- 6.7 The process must be documented, and documentation retained for 6 months by the unit of study Coordinator.
- 6.8 In some cases where a written assignment mark is awarded 50 per cent or more, a student may contest the mark given. In such a case, the following shall apply:
- 6.8.1 All students shall have the right to request and receive a second marking of an assessment task
- 6.8.2 Such a right is conditional: the decision of the second marker will be final, and the student will understand the risk that the second mark may be lower or higher than the original mark.
- 6.9 This process will not interfere with decisions made by the Chief Examiner, usually the unit of study Coordinator, in moderating the results pattern of an entire unit of study.
- 6.10 Each unit of study Coordinator is required to implement a specific strategy of ensuring consistent and fair marking standards and processes. This will vary according to the unit's assessment practices and numbers of students and staff participating in a unit. Such strategies may include:
- 6.10.1 standards setting training;
- 6.10.2 trial marking exercises;
- 6.10.3 statistical moderation;
- 6.10.4 sample double marking, etc.
- 6.11 Unit of study outlines or Course Handbooks should also:
- 6.11.1 indicate a time frame for student feedback;
- 6.11.2 publish the process available to students who contest an assessment outcome.
- 6.12 Students are entitled to useful feed back on their assignments and presentations. This should be speedy where assessment tasks have a formative purpose. Such feedback should always address the relationship between published assessment criteria and the student's work. Feedback might include:
- 6.12.1 written comments on assignments;
- 6.12.2 verbal or written comments on presentations;
- 6.12.3 the use of forms designed to reflect assessment criteria for an assignment.

7. Aegrotat results

- 7.1 In accordance with Academic Board policy, the relevant Associate Dean (Undergraduate or Graduate) may recommend that a student be awarded an aegrotat result in cases where:
- 7.1.1 because of serious illness or misadventure the student has been unable to sit for examination, and
- 7.1.2 it is unlikely that for the same reasons the student would be able to attempt a further test, and
- 7.1.3 the relevant Associate Dean is satisfied beyond doubt on the basis of work performed throughout the year, that had the candidate been able to sit for the examination, he or she would have achieved the result recommended.
- 7.2 It is expected that a request for an aegrotat result would be very rare. In most cases an application for Special Consideration under conditions of serious illness or misadventure would be the appropriate course of action.

8. Plagiarism

- 8.1 Undergraduates are notified that in 2005 the University adopted new policy regarding academic honesty and plagiarism.
- 8.2 Students are referred to the website of the University and are asked to search the policy titled *Student Plagiarism: Course Work Policy and Procedure* <http://www.usyd.edu.au/senate/policies/Plagiarism.pdf>.

9. Style guide for Education and Social Work assignments

- 9.1 The Faculty of Education and Social Work requires that students use the APA (American Psychological Association) style guide in its 5th edition unless another guide is specifically authorised in a unit of study outline.
- 9.2 A full guide to the use of APA is available in the Faculty publication *Information for Students* also known as "The Little Blue Book". This booklet is made available to all first year students. If a student does not have access to it, it is available on the Faculty website under current student policies.

9. Postgraduate information

The Faculty of Education and Social Work offers a range of postgraduate research and coursework degrees, diplomas and certificates. Detailed information on these programs may be found in the postgraduate handbook available from the Faculty Office or the Faculty website.

Master of Teaching

Students who have completed a first degree in, say, Arts, Economics or Science, and wish to undertake teacher training in either Primary, Secondary school or School Counselling, may apply for admission to the Master of Teaching degree. This is a highly innovative program preparing professional educators through the use of self-directed learning and case based study. The course provides training in the practice of teaching in your chosen disciplines and includes a large component of practical classroom experience. The final semester of this two year program is taken up with an internship in a school. An Honours program is available. For further information about this course please refer to the MTeach website at: mteach.edfac.usyd.edu.au.

For more information contact:

Sylvia Panossian
Education Building
Phone: +61 2 9036 5344
Fax: +61 2 9351 4235
Email: s.panossian@edfac.usyd.edu.au

Doctor of Philosophy (PhD)

The PhD degree is awarded for a program of original research carried out under the guidance of a supervisor with expertise in the candidates area of interest. The research is embodied in a thesis of 80,000 words. While the degree is completed by research some units of study may be completed if appropriate.

Doctor of Education (EdD)

The Doctor of Education degree combines research and coursework. The latter involves research training components with group supervision, as well as individual supervision. It is a professionally oriented research program culminating in the production of a thesis of 50,000 words.

Doctor of Social Work (DSW)

The course will enable experienced practitioners in social work to:

- develop excellence in practice research and practice development;
- review and develop theoretical approaches to the changing context of welfare;
- articulate new forms of practice appropriate for the new century;
- and be qualified to take on leadership roles in the profession and in human services.

Students must successfully complete required coursework and a thesis of 50,000 words.

Master of Philosophy in Education (MPhilEd)

The Master of Philosophy in Education degree requires completion of original research under supervision, and a thesis of upper limit of 30,000 words. Supportive coursework in both content and research methodology need also be completed.

Master of Philosophy in Social Work (MPhilSW)

Students are encouraged to pursue their own interests in the selection of research topics, particularly so in relation to developing projects based on their professional practice. Research interests include specific population groups, theories of social work practice, comparative studies of welfare policy and practice in a range of

socio-cultural settings, including Europe and Asia; the history and theory of the welfare state, a range of social issues, and social policy areas. Students must successfully complete required coursework and a thesis of upper limit of 30,000 words.

Master of Education (Research)

The aim of the MEd (Research) is to provide students with an advanced level of research training experience in the area of Education that will make a contribution to knowledge in their particular area or specialisation. The MEd (Research) is designed for students who wish to extend their studies primarily by research but who do not have an undergraduate honours degree or other qualification that would allow them to enter into a postgraduate research degree. The MEd (Research) will allow students to develop and demonstrate their research capacity within the Masters degree through thesis only (25,000 words) or through a thesis (20,000 words) combined with coursework.

For more information contact:

Imogen Craney
Education Building
Phone: +61 2 9351 7049
Fax: +61 2 9351 4235
Email: i.craney@edfac.usyd.edu.au

Students must successfully complete required coursework and a thesis of 50,000 words.

Master of Education (MEd)

The Master of Education is primarily a degree by coursework. Candidates may either complete a designated degree in one of a range of areas offered, or complete a generic MEd by selecting units from across the designated areas. Designated Master's programs are offered which take a particular focus on a specialised area of study. These include:

- Coach Education (restricted entry criteria)
- Educational Psychology
- English and Literacies in Education
- Educational Management and Leadership
- Health Education (not available in 2007)
- Higher Education (restricted entry criteria)
- Human Movement (not available in 2007)
- Information Technology in Education
- International Education
- Research Methodology
- Special Education
- TESOL/Languages
- Teaching and Curriculum Studies

Master of Learning Science and Technology

This is an innovative degree program that caters to current and prospective e-learning professionals, as well as students who seek to forge a research career in ICT-supported learning. As such, this program is available in two streams. Professional Stream is intended to meet the needs of future e-learning professionals and those already working in the industry, government and education who are seeking to advance their careers in the field of e-learning/technology-supported learning. The Research Stream is intended for those who wish to do research in ICT-supported learning and are likely to progress to a PhD in the field.

Master of Policy Studies (MPS)

The course aims to equip students with conceptual skills required for practical policy analysis and policy development in educational and

social and community services domains. The course will have a strong focus on policy practice for policy professionals and service workers in non-government human services organisations. The degree will be delivered on-campus, though some electives may use other methods of delivery.

Master of Social Work (MSW)

The course is designed to allow social work practitioners to reflect on and formulate their practice; read about and appraise alternative practices and theories; and assess their work problems and clients' needs in new ways. The aim is to evaluate existing practice and provision critically, with a view to promoting change and improvement in services offered and outcomes effected in the lives and situations of clients. It offers opportunities for the analysis and investigation of theories and initiatives in social policy and their impact.

Master of Social Work International (MSW International)

This program would be of particular interest to social workers who want to extend their knowledge of social work and social policy in a comparative international context. Students spend one semester full-time in a university linked to the University of Sydney where a strong university/field collaboration has been established.

Graduate Diploma and Certificate in Learning Science and Technology

These programs are designed to meet the demands of current e-Learning professionals, to supplement and support their work in learning and/or development, be it within corporate training, tertiary education, or other sectors. It provides a foundation in the key theories and practical methodologies that can support the design of effective technology-supported learning. The Graduate Certificate can be articulated with the Graduate Diploma and the Master of Learning Science and Technology.

Graduate Diplomas and Certificates in Educational Studies and Social Work

Graduate Diplomas and Certificates are available in all the designated areas for the MEd, MSW, and the MPS. Some of these articulate with the Master's programs and credit may be granted for units completed towards award of the Master's programs.

The Graduate Certificate in Teaching English as a Foreign Language

This graduate Certificate has been especially designed to meet the needs and interests of candidates whose area of expertise is in teaching English as a foreign language. The Graduate Certificate TEFL program is intended for overseas teachers of English who wish to take a short intensive professional development course. After successful completion of the Graduate Certificate, it may be possible to complete a Master of Education (TESOL).

For further information on these degrees, please contact the Administrative Officer in the Graduate Division Office.

For more information contact:

Maryke Sutton, Gilbert Cheng
Room 307 Education Building
Phone: +61 2 9351 4605; 9351 4054
Fax: +61 2 9351 5027
Email: gradinfo@edfac.usyd.edu.au

The Sydney Summer and Winter Schools

2007	Dates
Summer School	December 2006–February 2007
Winter School	July 2007

The Summer School

The Summer School is a full fee-paying, intensive program offering high quality undergraduate and postgraduate units of study from most faculties. These units of study are the same as those offered in Semesters One and Two, but are taught as an intensive program over summer. Some classes commence in December, others commence in January and continue into February (including the exam week). Some units of study run for seven weeks others are shorter. Students can take a maximum of two units of study.

The Winter School

The Winter School is held every July during the academic year. The Winter School is a smaller, more intensive three week program.

Advantages

Attending classes at Sydney University during summer offers many advantages. You can

- use this time to accelerate your academic career and to finish your degree sooner
- devote your full attention to a single area of study
- take courses that might be outside your normal degree
- reduce your workload throughout the rest of the year
- repeat units of study in which you may have been unsuccessful
- combine study with a field trip in Australia or a tour overseas.

For high school graduates, you can

- sample a university program
- get a head start on your degree.

How to apply

Applications will only be accepted online. Our website is www.summer.usyd.edu.au

Some units have limited places and fill very quickly. All places are filled strictly on a first in first served basis so it is recommended that you apply early.

Applications open on 27 September 2006.

Applications close on 15 December 2006.

Census dates – Summer School 2007

Students can withdraw from their unit of study without academic penalty and receive a full refund until the census date. However, a late withdrawal fee may apply. As classes start throughout December to February there are three census dates for the Summer School. These are based on when the class commences.

ID	Session name	Classes begin	Census date
42*	Summer Dec	11 December	2 January
43	Summer Main	4 January	12 January
44**	Summer Late	12 January	6 February

*42 Summer Dec: Allows for a unit to run for 3–9 weeks, provided that the 20 per cent criterion is met.

**44 Summer Late: Last exam must be held by 1 March.

Withdrawal and Refund policy

- For classes commencing in **December 2006**, students withdrawing from a Summer School unit of study from 28 November 2006 to 2 January 2007, will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- For classes commencing after **4 January 2007**, students withdrawing from a Summer School unit of study from 16 December 2006 to 12 January 2007, will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- For classes commencing after **12 January 2007**, students withdrawing from a Summer School unit of study from 16 December 2006 to 6 February 2007, will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- Students may withdraw from their Summer School unit(s) of study up until 4pm on the last day of the Teaching Period for that particular unit of study. However, there may be an academic penalty (please refer to our website). The Teaching Period for purposes of this policy is defined in hours of published classes from the first day through to the last day of classes, excluding any final examination or assessment.
- Students withdrawing from a Summer School unit of study after 4pm on the relevant census date will receive no refund of their tuition fee.

Transferring between Summer School units

There will be no penalty if a student changes between units of study in the Summer School before the commencement of class. However NO transfers will be allowed after the commencement of the class.

Summer School scholarships

Merit scholarships

Only four merit scholarships are available and are automatically awarded to the top four students who achieve the highest results in their Summer School unit of study.

Educational/Financial Disadvantage scholarships

Partial or full Summer School scholarships are available to local undergraduate students for the Summer School with a good academic record. To be eligible for consideration you will need to provide evidence of long-term and serious educational disadvantage based on two or more criteria, one of which must be financial hardship. Please check our website for further details. Applications close on 27 October 2006.

For more information

Web: www.summer.usyd.edu.au
 Email: info@summer.usyd.edu.au
 Phone: +61 2 9351 5542
 Fax: +61 2 9351 5888

University of Sydney (Coursework) Rule 2000 (as amended)

Approved by: Senate on 4 December 2000

Date of effect: 1 January 2001

Latest amendment approved by: Senate on 3 December 2001

Date of effect: 1 January 2002

[Section 1]

University Coursework Rule

Preliminary

Rules relating to Coursework Award Courses

Division 1 Award course requirements, credit points and assessment

Division 2 Enrolment

Division 3 Credit, cross-institutional study and their upper limits

Division 4 Progression

Division 5 Discontinuation of enrolment and suspension of candidature

Division 6 Unsatisfactory progress and exclusion

Division 7 Exceptional circumstances

Division 8 Award of degrees, diplomas and certificates

Division 9 Transitional provisions

Preliminary

1. Commencement and purpose of Rule

- 1.1 This Rule is made by the Senate pursuant to section 37(1) of the *University of Sydney Act 1989* for the purposes of the *University of Sydney By-Law 1999*.
- 1.2 This Rule comes into force on 1 January 2001.
- 1.3 This Rule governs all coursework award courses in the University. It is to be read in conjunction with the *University of Sydney (Amendment Act) Rule 1999* and the Resolutions of the Senate and the faculty resolutions relating to each award course in that faculty.

Rules relating to coursework award courses

1. Definitions In this Rule:

- 1.1 **award course** means a formally approved program of study which can lead to an academic award granted by the University.
- 1.2 **coursework** means an award course not designated as a research award course. While the program of study in a coursework award course may include a component of original, supervised research, other forms of instruction and learning normally will be dominant. All undergraduate award courses are coursework award courses.
- 1.3 **credit** means advanced standing based on previous attainment in another award course at the University or at another institution. The advanced standing is expressed as credit points granted towards the award course. Credit may be granted as specific credit or non-specific credit.
 - 1.3.1 **specific credit** means the recognition of previously completed studies as directly equivalent to units of study;
 - 1.3.2 **non-specific credit** means a 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study; and
 - 1.3.3 **credit points** means a measure of value indicating the contribution each unit of study provides towards meeting award course completion requirements stated as a total credit point value.

- 1.4 **dean** means the dean of a faculty or the director or principal of an academic college or the chairperson of a board of studies.
- 1.5 **degree** means a degree at the level of bachelor or master for the purpose of this Rule.
- 1.6 **embedded courses/programs** means award courses in the graduate certificate/graduate diploma/master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards.
- 1.7 **faculty** means a faculty, college board, a board of studies or the Australian Graduate School of Management Limited as established in each case by its constitution and in these Rules refers to the faculty or faculties responsible for the award course concerned.
- 1.8 **major** means a defined program of study, generally comprising specified units of study from later stages of the award course.
- 1.9 **minor** means a defined program of study, generally comprising units of study from later stages of the award course and requiring a smaller number of credit points than a major.
- 1.10 **postgraduate award course** means an award course leading to the award of a graduate certificate, graduate diploma, degree of master or a doctorate. Normally, a postgraduate award course requires the prior completion of a relevant undergraduate degree or diploma.
- 1.11 **research award course** means an award course in which students undertake and report systematic, creative work in order to increase the stock of knowledge. The research award courses offered by the University are: higher doctorate, Doctor of Philosophy, doctorates by research and advanced coursework, and certain degrees of master designated as research degrees. The systematic, creative component of a research award course must comprise at least 66 per cent of the overall award course requirements.
- 1.12 **stream** means a defined program of study within an award course, which requires the completion of a program of study specified by the award course rules for the particular stream, in addition to the core program specified by award course rules for the award course.
- 1.13 **student** means a person enrolled as a candidate for a course.
- 1.14 **testamur** means a certificate of award provided to a graduate, usually at a graduation ceremony.
- 1.15 **transcript** or **academic transcript** means a printed statement setting out a student's academic record at the University.
- 1.16 **unit of study** means the smallest stand-alone component of a student's award course that is recordable on a student's transcript. Units of study have an integer credit point value, normally in the range 3–24.
- 1.17 **undergraduate award course** means an award course leading to the award of an associate diploma, diploma, advanced diploma or degree of bachelor.
2. **Authorities and responsibilities**
 - 2.1 Authorities and responsibilities for the functions set out in this Rule are also defined in the document *Academic Delegations of Authority*. The latter document sets out the mechanisms by which a person who has delegated authority may appoint an agent to perform a particular function.
 - 2.1 The procedures for consideration of, and deadlines for submission of, proposals for new and amended award courses will be determined by the Academic Board.

Division 1: Award course requirements, credit points and assessment

3. Award course requirements

- 3.1 To qualify for the award of a degree, diploma or certificate, a student must:
 - 3.1.1 complete the award course requirements specified by the Senate for the award of the degree, diploma or certificate concerned;

- 3.1.2 complete any other award course requirements specified by the Academic Board on the recommendation of the faculty and published in the faculty resolutions relating to the award course;
- 3.1.3 complete any other award course requirements specified by the faculty in accordance with its delegated authority and published in the faculty resolutions relating to the award course; and
- 3.1.4 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

4. Units of study and credit points

- 4.1.1 A unit of study comprises the forms of teaching and learning approved by a faculty. Where the unit of study is being provided specifically for an award course which is the responsibility of another faculty, that faculty must also provide approval.
- 4.1.2 Any faculty considering the inclusion of a unit of study in the tables of units available for an award course for which it is responsible may review the forms of teaching and learning of that unit, may consult with the approving faculty about aspects of that unit and may specify additional conditions with respect to inclusion of that unit of study.
- 4.2 A student completes a unit of study if the student:
 - 4.2.1 participates in the learning experiences provided for the unit of study;
 - 4.2.2 meets the standards required by the University for academic honesty;
 - 4.2.3 meets all examination, assessment and attendance requirements for the unit of study; and
 - 4.2.4 passes the required assessments for the unit of study.
- 4.3 Each unit of study is assigned a specified number of credit points by the faculty responsible for the unit of study.
- 4.4 The total number of credit points required for completion of an award course will be as specified in the Senate resolutions relating to the award course.
- 4.5 The total number of credit points required for completion of award courses in an approved combined award course will be specified in the Senate or faculty resolutions relating to the award course.
- 4.6 A student may, under special circumstances, and in accordance with faculty resolutions, be permitted by the relevant dean to undertake a unit or units of study other than those specified in the faculty resolutions relating to the award course and have that unit or those units of study counted towards fulfilling the requirements of the award course in which the student is enrolled.

5. Unit of study assessment

- 5.1 A student who completes a unit of study will normally be awarded grades of high distinction, distinction, credit or pass, in accordance with policies established by the Academic Board. The grades high distinction, distinction and credit indicate work of a standard higher than that required for a pass.
- 5.2 A student who completes a unit of study for which only a pass/fail result is available will be recorded as having satisfied requirements.
- 5.3 In determining the results of a student in any unit of study, the whole of the student's work in the unit of study may be taken into account.
- 5.4 Examination and assessment in the University are conducted in accordance with the policies and directions of the Academic Board.

6. Attendance

- 6.1 A faculty has authority to specify the attendance requirements for courses or units of study in that faculty. A faculty must take into account any University policies concerning modes of attendance, equity and disabled access.
- 6.2 A faculty has authority to specify the circumstances under which a student who does not satisfy attendance requirements may be deemed not to have completed a unit of study or an award course.

Division 2: Enrolment

7. Enrolment restrictions

- 7.1 A student who has completed a unit of study towards the requirements of an award course may not re-enrol in that unit of study, except as permitted by faculty resolution or with the written permission of the dean. A student permitted to re-enrol

may receive a higher or lower grade, but not additional credit points.

- 7.2 Except as provided in section 7.1, a student may not enrol in any unit of study which overlaps substantially in content with a unit that has already been completed or for which credit or exemption has been granted towards the award course requirements.
- 7.3 A student may not enrol in units of study additional to award course requirements without first obtaining permission from the relevant dean.
- 7.4 Except as prescribed in faculty resolutions or with the permission of the relevant dean:
 - 7.4.1 a student enrolled in an undergraduate course may not enrol in units of study with a total value of more than 32 credit points in any one semester, or 16 credit points in the summer session; and
 - 7.4.2 a student enrolled in a postgraduate award course may not enrol in units of study with a total value of more than 24 credit points in any one semester, or 12 credit points in the summer session.

Division 3: Credit, cross-institutional study and their upper limits

8. Credit for previous studies

- 8.1 Students may be granted credit on the basis of previous studies.
- 8.2 Notwithstanding any credit granted on the basis of work completed or prior learning in another award course at the University of Sydney or in another institution, in order to qualify for an award a student must:
 - 8.2.1 for undergraduate award courses, complete a minimum of the equivalent of two full-time semesters of the award course at the University; and
 - 8.2.2 for postgraduate award courses, complete at least 50 per cent of the requirements prescribed for the award course at the University.

These requirements may be varied where the work was completed as part of an embedded program at the University or as part of an award course approved by the University in an approved conjoint venture with another institution.

- 8.3 The credit granted on the basis of work completed at an institution other than a university normally should not exceed one third of the overall award course requirements.
- 8.4 A faculty has authority to establish embedded academic sequences in closely related graduate certificate, graduate diploma and master's degree award courses. In such embedded sequences, a student may be granted credit for all or some of the units of study completed in one award of the sequence towards any other award in the sequence, irrespective of whether or not the award has been conferred.
- 8.5 In an award course offered as part of an approved conjoint venture the provisions for the granting of credit are prescribed in the Resolutions of the Senate and the faculty resolutions relating to that award course.
- 9. Cross-institutional study
 - 9.1 The relevant dean may permit a student to complete a unit or units of study at another university or institution and have that unit or those units of study credited to the student's award course.
 - 9.2 The relevant dean has authority to determine any conditions applying to cross-institutional study.

Division 4: Progression

10. Repeating a unit of study

- 10.1 A student who repeats a unit of study shall, unless granted exemption by the relevant dean:
 - 10.1.1 participate in the learning experiences provided for the unit of study; and
 - 10.1.2 meet all examination, assessment and attendance requirements for the unit of study.
- 10.2 A student who presents for re-assessment in any unit of study is not eligible for any prize or scholarship awarded in connection with that unit of study without the permission of the relevant dean.

11. Time limits

- 11.1 A student must complete all the requirements for an award course within ten calendar years or any lesser period if specified by resolution of the Senate or the faculty.

Division 5: Discontinuation of enrolment and suspension of candidature

12. Discontinuation of enrolment

- 12.1 A student who wishes to discontinue enrolment in an award course or a unit of study must apply to the relevant dean and will be presumed to have discontinued enrolment from the date of that application, unless evidence is produced showing:
- 12.1.1 that the discontinuation occurred at an earlier date; and
 - 12.1.2 that there was good reason why the application could not be made at the earlier time.
- 12.2 A student who discontinues enrolment during the first year of enrolment in an award course may not re-enrol in that award course unless:
- 12.2.1 the relevant dean has granted prior permission to re-enrol; or
 - 12.2.2 the student is reselected for admission to candidature for that course.
- 12.3 No student may discontinue enrolment in an award course or unit of study after the end of classes in that award course or unit of study, unless he or she produces evidence that:
- 12.3.1 the discontinuation occurred at an earlier date; and
 - 12.3.2 there was good reason why the application could not be made at the earlier time.
- 12.4 A discontinuation of enrolment may be recorded as 'Withdrawn (W)' or 'Discontinued – not to count as failure (DNF)' where that discontinuation occurs within the time-frames specified by the University and published by the faculty, or where the student meets other conditions as specified by the relevant faculty.

13. Suspension of candidature

- 13.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course. A student who wishes to suspend candidature must first obtain approval from the relevant dean.
- 13.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the dean for suspension will be deemed to have lapsed.
- 13.3 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the relevant faculty.
- 13.4 A student who enrolls after suspending candidature shall complete the requirements for the award course under such conditions as determined by the dean.

Division 6: Unsatisfactory progress and exclusion

14. Satisfactory progress

- 14.1 A faculty has authority to determine what constitutes satisfactory progress for all students enrolled in award courses in that faculty, in accordance with the policies and directions of the Academic Board.

15. Requirement to show good cause

- 15.1 For the purposes of this Rule, 'good cause' means circumstances beyond the reasonable control of a student, which may include serious ill health or misadventure, but does not include demands of employers, pressure of employment or time devoted to non-University activities, unless these are relevant to serious ill health or misadventure. In all cases the onus is on the student to provide the University with satisfactory evidence to establish good cause. The University may take into account relevant aspects of a student's record in other courses or units of study within the University and relevant aspects of academic studies at other institutions provided that the student presents this information to the University.
- 15.2 The relevant dean may require a student who has not made satisfactory progress to show good cause why he or she should be allowed to re-enrol.
- 15.3 The dean will permit a student who has shown good cause to re-enrol.

16. Exclusion for failure to show good cause

The dean may, where good cause has not been established:

- 16.1 exclude the student from the relevant course; or
- 16.2 permit the student to re-enrol in the relevant award course subject to restrictions on units of study, which may include, but are not restricted to:
 - 16.2.1 completion of a unit or units of study within a specified time;

- 16.2.2 exclusion from a unit or units of study, provided that the dean must first consult the head of the department responsible for the unit or units of study; and
- 16.2.3 specification of the earliest date upon which a student may re-enrol in a unit or units of study.

17. Applying for re-admission after exclusion

- 17.1 A student who has been excluded from an award course or from a unit or units of study may apply to the relevant dean for re-admission to the award course or re-enrolment in the unit or units of study concerned after at least four semesters, and that dean may readmit the student to the award course or permit the student to re-enrol in the unit or units of study concerned.
- 17.2 With the written approval of the relevant dean, a student who has been excluded may be given credit for any work completed elsewhere in the University or in another university during a period of exclusion.

18. Appeals against exclusion

- 18.1 In this Rule a reference to the Appeals Committee is a reference to the Senate Student Appeals Committee (Exclusions and Re-admissions).
- 18.2.1.1 A student who has been excluded in accordance with this Rule may appeal to the Appeals Committee.
 - 18.2.1.2 A student who has applied for re-admission to an award course or re-enrolment in a unit of study after a period of exclusion, and who is refused re-admission or re-enrolment may also apply to the Appeals Committee.
 - 18.2.2 The Appeals Committee shall comprise:
 - 18.2.2.1 three *ex officio* members (the Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal);
 - 18.2.2.2 the Chair and Deputy Chairs of the Academic Board;
 - 18.2.2.3 two student Fellows; and
 - 18.2.2.4 up to four other Fellows.
 - 18.2.3 The Appeals Committee may meet as one or more subcommittees providing that each subcommittee shall include at least one member of each of the categories of:
 - 18.2.3.1 *ex officio* member;
 - 18.2.3.2 Chair or Deputy Chair of the Academic Board;
 - 18.2.3.3 student Fellow; and
 - 18.2.3.4 other Fellows.
 - 18.2.4 Three members shall constitute a quorum for a meeting of the Appeals Committee or a subcommittee.
 - 18.2.5 The Appeals Committee and its subcommittees have authority to hear and determine all such appeals and must report its decision to the Senate annually.
 - 18.2.6 The Appeals Committee or a subcommittee may uphold or disallow any appeal and, at its discretion, may determine the earliest date within a maximum of four semesters at which a student who has been excluded shall be permitted to apply to re-enrol.
 - 18.2.7 No appeal shall be determined without granting the student the opportunity to appear in person before the Appeals Committee or subcommittee considering the appeal. A student so appearing may be accompanied by a friend or adviser.
 - 18.2.8 The Appeals Committee or subcommittee may hear the relevant dean but that dean may only be present at those stages at which the student is permitted to be present. Similarly, the dean is entitled to be present when the Committee or subcommittee hears the student.
 - 18.2.9 If, due notice having been given, a student fails to attend a meeting of the Appeals Committee or subcommittee scheduled to consider that student's appeal, the Appeals Committee or subcommittee, at its discretion, may defer consideration of the appeal or may proceed to determine the appeal.
 - 18.2.10 A student who has been excluded in accordance with these resolutions and has lodged a timely appeal against that exclusion may re-enrol pending determination of that appeal if it has not been determined by the commencement of classes in the next appropriate semester.

Division 7: Exceptional circumstances

19. Variation of award course requirements in exceptional circumstances

- 19.1 The relevant dean may vary any requirement for a particular student enrolled in an award course in that faculty where, in the opinion of the dean, exceptional circumstances exist.

Division 8: Award of degrees, diplomas and certificates

20. **Classes of award**

- 20.1 Undergraduate diplomas may be awarded in five grades – pass, pass with merit, pass with distinction, pass with high distinction or honours.
- 20.2 Degrees of bachelor may be awarded in two grades – pass or honours.
- 20.3 Graduate diplomas and graduate certificates may be awarded in one grade only – pass.
- 20.4 Degrees of master by coursework may be awarded three grades – pass, pass with merit or honours.

21. **Award of the degree of bachelor with honours**

- 21.1 The award of honours is reserved to indicate special proficiency. The basis on which a student may qualify for the award of honours in a particular award course is specified in the faculty resolutions relating to the course.
- 21.2 Each faculty shall publish the grading systems and criteria for the award of honours in that faculty.
- 21.3 Classes which may be used for the award of honours are:
 - 21.3.1 First Class
 - 21.3.2 Second Class/Division 1
 - 21.3.3 Second Class/Division 2
 - 21.3.4 Third Class
- 21.4 With respect to award courses which include an additional honours year:
 - 21.4.1 a student may not graduate with the pass degree while enrolled in the honours year;
 - 21.4.2 on the recommendation of the head of the department concerned, a dean may permit a student who has been awarded the pass degree at a recognised tertiary institution to enrol in the honours year in that faculty;
 - 21.4.3 faculties may prescribe the conditions under which a student may enrol part-time in the honours year;
 - 21.4.4 a student who fails or discontinues the honours year may not re-enrol in it, except with the approval of the dean.

22. **University Medal**

- 22.1 An honours bachelor's degree student with an outstanding academic record throughout the award course may be eligible for the award of a University Medal, in accordance with Academic Board policy and the requirements of the faculty resolutions relating to the award course concerned.

23. **Award of the degree of master with honours or merit**

- 23.1 The award of honours or pass with merit is reserved to indicate special proficiency or particular pathways to completion. The basis on which a student may qualify for the award of honours or the award with merit in a particular degree is specified in the Faculty Resolutions relating to that degree.

24. **Transcripts and testamurs**

- 24.1 A student who has completed an award course or a unit of study at the University will receive an academic transcript upon application and payment of any charges required.
- 24.2 Testamurs may indicate streams or majors or both as specified in the relevant faculty resolutions.

Division 9: Transitional provisions

25. **Application of this Rule during transition**

- 25.1 This Rule applies to all candidates for degrees, diplomas and certificates who commence candidature after 1 January 2001.
- 25.2 Candidates who commenced candidature prior to this date may choose to proceed in accordance with the resolutions of the Senate in force at the time they enrolled, except that the faculty may determine specific conditions for any student who has re-enrolled in an award course after a period of suspension.

University of Sydney (Doctor of Philosophy (PhD)) Rule 2004

University of Sydney (Doctor of Philosophy (PhD)) Rule 2004

Please also see the University of Sydney (Authority Within Academic Units) Rule 2003 (as amended)

Part 1 – Preliminary

Part 2 – Admission to candidature

Part 3 – Supervision

Part 4 – Candidature

Part 5 – Submission of thesis

Part 1 – Preliminary

1. Citation and commencement

1.1 Citation

- 1.1.1 This Rule is made by the Senate of the University of Sydney pursuant to section 37(1) of the University of Sydney Act 1989 for the purposes of the University of Sydney By-law 1999.

1.2 Commencement

- 1.2.1 This Rule commences on the day after it is made in accordance with Chapter 2 of the University of Sydney By-law 1999.

2. Purpose

2.1 This Rule:

- 2.1.1 repeals and replaces Part 10, Division 4 of the University of Sydney (Amendment Act) Rule 1999 in its entirety; and
2.1.2 deals with matters relating to the degree of Doctor of Philosophy.

Part 2 – Admission to candidature

3. Heads of department

- 3.1 A head of department may delegate to a specified member of the academic staff his or her responsibilities under these Rules by countersigning a specific recommendation in respect of a particular candidature or by making, and forwarding to the Registrar, a written statement of delegation of those powers.

4. Admission to candidature

- 4.1 An applicant for admission as a candidate for the degree shall, except as provided in 4.2 and 4.3 below, hold or have fulfilled all the requirements for:
- 4.1.1 the degree of master, or
4.1.2 the degree of bachelor with first or second class honours.
- 4.2 A faculty may admit as a candidate for the degree an applicant holding the degree of bachelor without first or second class honours after the applicant has passed a qualifying examination at a standard equivalent to the bachelor's degree with first or second class honours, provided that a faculty may exempt an applicant from the qualifying examination if the applicant has obtained a high distinction or distinction in the highest course available in the subject or subjects relevant to the proposed course of advanced study and research.
- 4.3 The Academic Board has endorsed an interpretation of the qualifying examination as including completion of a period of relevant full-time or part-time advanced study and research towards a master's degree in the University of Sydney, at such a standard as would demonstrate to the satisfaction of the faculty that the candidate is suitably prepared in the particular field of study to undertake candidature for the degree of Doctor of Philosophy.
- 4.4 The Academic Board may, in accordance with this Rule, admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the faculty concerned and of the Academic Board, are equivalent to those prescribed in 4.1 or

4.2 above and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.

- 4.5 An applicant for admission to candidature shall submit to the faculty concerned:

4.5.1 a proposed course of advanced study and research, approved by the head of the department in which the work is to be carried out, to be undertaken by the applicant in a department of the University, and

4.5.2 satisfactory evidence of adequate training and ability to pursue the proposed course.

4.6 The faculty may require a candidate, as part of the evidence of the candidate's training and ability to pursue the proposed course, to pass a special examination.

4.7 A reference in this section to a department includes a reference to one or more departments, one or more schools, an interdepartmental committee and an interschool committee.

5. Probationary acceptance

5.1 A candidate may be accepted by a faculty on a probationary basis for a period not exceeding one year and upon completion of this probationary period, the faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

5.2 In the case of a candidate accepted on a probationary period under 5.1 above, the candidature shall be deemed to have commenced from the date of such acceptance.

6. Control of candidature

6.1 Each candidate shall pursue his or her course of advanced study and research wholly under the control of the University.

6.2 Where a candidate is employed by an institution other than the University, the faculty or college board may require a statement by that employer acknowledging that the candidature will be under the control of the University.

7. Other studies during the candidature

7.1 A candidate may be required by the head of department or the supervisor to attend lectures, seminar courses or practical work courses or to undertake courses and, if required, the assessment for such courses, subject to the approval of any other head of department concerned.

8. Credit for previous studies

8.1 A candidate who, at the date of admission to candidature, has completed not less than six months as a candidate for the degree of master in any faculty or board of studies of the University of Sydney, may be permitted by the faculty concerned to be credited for the whole or any part of the period of candidature completed for the degree of master as a period of candidature completed for the degree of Doctor of Philosophy, provided that the period of candidature for the degree of master for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the faculty or board of studies concerned and directly related to the candidate's proposed course of advanced study and research for the degree of Doctor of Philosophy.

8.2 A candidate who, at the date of admission has completed not less than six months as a candidate for a higher degree in another university or institution may be permitted by the Academic Board, on the recommendation of the faculty concerned, to be credited for the whole or any part of the period of candidature completed as a period completed for the degree of Doctor of Philosophy of the University of Sydney, provided that:

8.2.1 at the date of admission to candidature for the higher degree of the other university or institution concerned the candidate shall have fulfilled the requirements of admission to candidature set out in section 3 above;

8.2.2 the period of candidature for the higher degree of the other university or institution concerned for which credit is sought shall have been a course of full-time or part-time advanced study and research under a supervisor appointed by the

- other university or institution concerned and directly related to the candidate's proposed course of advanced study and research in the University of Sydney;
- 8.2.3 the candidate shall have abandoned candidature for the higher degree of the other university or institution concerned for which credit is sought;
- 8.2.4 the amount of credit which may be so granted shall not exceed one year; and
- 8.2.5 no candidate who has been granted credit shall present a thesis for examination for the degree earlier than the end of the second year after acceptance.
- 8.3 The Faculty of Medicine may grant credit not exceeding one year to a candidate for the degree of Doctor of Philosophy in that Faculty who has submitted documented evidence of having previously completed supervised study towards the degree of Doctor of Medicine of the University of Sydney.

Part 3 – Supervision

- 9. **Appointment and qualifications of supervisors and associate supervisors**
- 9.1 The faculty or college board, on the recommendation of the head of department concerned, shall appoint a suitably qualified supervisor and associate supervisors for each candidate to take primary responsibility for the conduct of the candidature and to be responsible for the progress of the candidature to the head of department and the faculty or college board concerned in accordance with policy established by the Academic Board.

Part 4 – Candidature

- 10. **Location**
- 10.1.1 Subject to the annual approval of the supervisor, head of department and faculty or college board, the candidate shall pursue the course of advanced study and research either:
 - 10.1.1.1 within the University including its research stations and teaching hospitals;
 - 10.1.1.2 on fieldwork either in the field or in libraries, museums or other repositories;
 - 10.1.1.3 within industrial laboratories or research institutions or other institutions considered by the faculty or college board concerned to provide adequate facilities for that candidature; or
 - 10.1.1.4 within a professional working environment;
- 10.1.2 and shall attend at the University for such consultation with the supervisor and shall participate in such departmental and faculty or college seminars as shall annually be specified.
- 10.2.1 A candidate pursuing candidature outside Australia must also complete a minimum of two semesters of candidature within the University [but not necessarily immediately before submission, not necessarily as a continuous two-semester period] before submission of the thesis.
- 10.2.2 The corresponding period for candidates for whom the minimum length of candidature is four semesters is a minimum of one semester.
- 10.3 When recommending the detailed annual conditions for each candidate's particular course of advanced study and research the supervisor and head of department must indicate whether they are satisfied that the proposed supervision arrangements will be satisfactory.
- 11. **Progress**
- 11.1 At the end of each year each candidate shall provide evidence of progress and attend a progress review interview to the satisfaction of the supervisor and head of department concerned and any Departmental or Faculty Postgraduate Review Committee.
- 11.2 On the basis of evidence provided and the interview, the head of department shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of department considers appropriate.
- 11.3 If a candidate fails to submit evidence of progress or if the head of department concerned considers that the evidence submitted does not indicate satisfactory progress, the faculty or college board may, on the head's recommendation, call upon that candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards

completion of the degree and where, in the opinion of the faculty or college board, the candidate does not show good cause the faculty or college board may terminate that candidature or may impose conditions on the continuation of that candidature.

Part 5 – Submission of thesis

- 12. **The thesis**
- 12.1.1 On completing the course of advanced study and research, a candidate shall present a thesis embodying the results of the work undertaken, which shall be a substantially original contribution to the subject concerned.
- 12.1.2 The candidate shall state, generally in the preface and specifically in notes, the sources from which the information is derived, the animal and human ethical approvals obtained, the extent to which the work of others has been made use of, and the portion of the work the candidate claims as original.
- 12.2 A candidate may also submit in support of the candidature any publication of which the candidate is the sole or joint author. In such a case the candidate must produce evidence to identify satisfactorily the sections of the work for which the candidate is responsible.
- 12.3 Except where the candidature has been governed by an approved cotutelle agreement, a candidate may not present as the thesis any work which has been presented for a degree or diploma at this or another university, but the candidate will not be precluded from incorporating such in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been so incorporated.
- 12.4 Theses shall be written in English, except that:
 - 12.4.1 in the case of a candidature governed by an approved cotutelle agreement, the thesis may be written in English or in another language; and
 - 12.4.2.1 in the Faculty of Arts, in the case of language departments, theses may be written either in English or in their target language as determined by the department, unless a department has specified by means of a Faculty resolution that it will consider applications to submit the thesis in a language other than:
 - 12.4.2.1.1 English; or
 - 12.4.2.1.2 a target language of the department.
 - 12.4.2.2 Such applications should be made in writing; and approved by the head of department concerned and the Dean of the Faculty, before the commencement of candidature.
 - 12.4.2.3 In considering applications a head of department shall take into account arrangements for supervision and examination.
- 12.5 A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by resolution of the Academic Board and four copies of a summary of about 300 words in length.
- 12.6 The thesis shall be accompanied by a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
- 13. **Earliest date for submission**
- 13.1 Except as provided below, a candidate may not submit a thesis for examination earlier than the end of the sixth semester of candidature.
- 13.2 A faculty or college board may permit a candidate holding any of the following qualifications of the University of Sydney or from such other institution as the faculty or college board may approve, to submit a thesis for examination not earlier than the end of the fourth semester of candidature:
 - 13.2.1 a degree of master completed primarily by research;
 - 13.2.2 both the degrees of Bachelor of Dental Surgery with honours and Bachelor of Science (Dental) with honours;
 - 13.2.3 both the degrees of Bachelor of Medicine with honours and Bachelor of Science (Medical) with honours; or
 - 13.2.4 both the degrees of Bachelor of Veterinary Science with honours and Bachelor of Science (Veterinary) with honours.
- 13.3 Notwithstanding 13.1 and 13.2 above, a faculty may, on the recommendation of the head of department and supervisor concerned, permit a candidate to submit a thesis for examination up to one semester earlier than prescribed if, in the opinion of the faculty, evidence has been produced that the candidate has made exceptional progress in his or her candidature.
- 13.4.1 Notwithstanding 13.1, 13.2 and 13.3 above, the Chair of the Academic Board may, on the recommendation of the dean

of the faculty in which the candidate is enrolled, permit a candidate to submit a thesis for examination earlier than prescribed if, in the opinion of the Chair of the Academic Board, evidence has been produced that the candidate has made exceptional progress in his or her candidature.

- 13.4.2 The Chair of the Academic Board may take advice from the Chair of the Graduate Studies Committee and shall report any applications under this provision and the action taken to the next meeting of the Academic Board.

14. Latest date for submission

- 14.1 Except as provided in 14.1 to 14.3 below, a candidate shall submit the thesis for examination not later than the end of the eighth semester of candidature.
- 14.2 A candidate whose candidature has been part-time throughout shall submit the thesis for examination not later than the end of the 16th semester of candidature.
- 14.3 The time limits set out in 14.1 to 14.2 above, apply to candidates who commence candidature after 31 December 2000. Candidates who commenced candidature prior to this date may choose to proceed in accordance with the Rules in force at the time when they commenced candidature.
- 14.4 The relevant dean may permit a candidate to submit the thesis for examination after a period of time greater than the maximum periods specified.

15. Examination

- 15.1 The procedures for examination shall be prescribed by the Academic Board.

General University information

For further information or advice, please feel free to call our Helpline on **1300 362 006**.

Accommodation Service
Admissions Office
Applying for a course
Assessment
Careers Centre
Casual Employment Service
Centre for Continuing Education
Centre for English Teaching
Child Care
Client Services, Information and Communications Technology (ICT)
The Co-op Bookshop
Counselling Service
Disability Services
Email
Enrolment
Environmental Policy
Examinations
Fees
Financial Assistance Office
Freedom of Information
Graduations Office
(Grievances) Appeals
HECS and Fees Office
HELP
Information and Communications Technology
International Office
International Student Support Unit
Koori Centre and Yooroang Garang
Learning Centre
Library
Mathematics Learning Centre
Multimedia and Educational Technologies in Arts (META) Resource Centre
MyUni Student Portal
Part-time, full-time
Policy online
Privacy
Scholarships for undergraduates
Services for Students
Student Centre
Student Identity Cards
Student Services
The Sydney Summer School
The University of Sydney Foundation Program
Timetabling Unit
University Health Service

Accommodation Service

The Accommodation Service helps students find off-campus accommodation. The service maintains extensive databases of share accommodation, rental properties, and full board accommodation. Currently enrolled students can access the database online through the MyUni student portal, or the accommodation website via your MyUni student portal or the Services for Students website.

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia

Phone: +61 29351 3312
Fax: +61 2 9351 8262
Email: accomm@stuserv.usyd.edu.au
Web: <http://www.usyd.edu.au/accomm>

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty. If you are an Australian citizen or a permanent resident but have qualifications from a non-Australian institution phone +61 2 9351 4118 for more information. For enquiries regarding special admissions (including mature-age entry) phone +61 2 9351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office.

Student Centre
Ground Floor, Carslaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
Fax: +61 2 9351 4869
Email: admissions@records.usyd.edu.au
Web: <http://www.usyd.edu.au/studentcentre>

Applying for a course

Domestic applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC). The deadline for application is the last working day of September in the year before enrolment. Go to the UAC website for more information.

Note that some faculties, such as Pharmacy, the Sydney Conservatorium of Music and Sydney College of the Arts, have additional application procedures.

Domestic applicants for postgraduate courses and programs of study

For the purpose of admission and enrolment 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the master's qualifying or preliminary program and for non-award postgraduate study can be found at <http://www.usyd.edu.au/studentcentre>.

Please note that some faculties use their own specially tailored application forms for admission into their courses. Please contact the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

'International applicants' refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission

through the University's International Office (IO). All the information international applicants need, including application forms, is available from the IO website.

Assessment

For assessment matters refer to the relevant department or school.

Careers Centre

The Careers Centre will help you with careers preparation and graduate recruitment.

Careers Centre
Ground Floor, Mackie Building K01
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3481
Fax: +61 2 9351 5134
Email: info@careers.usyd.edu.au
Web: <http://www.careers.usyd.edu.au>

Casual Employment Service

The Casual Employment Service helps students find casual and part-time work during their studies and during University vacations. The service maintains a database of casual employment vacancies. Currently enrolled students can access the database online through the MyUni student portal, or the casual employment website via your MyUni student portal, or the Services for Students website.

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 8714
Fax: +61 2 9351 8717
Email: ces@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/cas_emp

Centre for Continuing Education

The Centre for Continuing Education offers a wide range of short courses for special interest, university preparation and professional development.

Centre for Continuing Education
160 Missenden Rd
Newtown NSW 2042

Postal address:
Locked Bag 2020
Glebe NSW 2037

Ph: +61 2 9036 4789
Fax: +61 2 9036 4799
Email: info@cce.usyd.edu.au
Web: <http://www.cce.usyd.edu.au>

Subject areas include: history and culture, creative arts, social sciences, languages, IT, business and overseas study tours. Courses are open to everyone.

Centre for English Teaching (CET)

The Centre for English Teaching (CET) offers English language and academic study skills programs to students from overseas and Australian residents from non-English speaking backgrounds who need to develop their English language skills to meet academic entry requirements.

Camperdown Campus G01
University Of Sydney
NSW 2006 Australia

Phone: +61 2 9351 0760
Fax: +61 2 9351 0710
Email: info@cet.usyd.edu.au
Web: <http://www.usyd.edu.au/cet>

Child care

Contact the Child Care Information Officer for information about child care for students and staff of the University who are parents. For details of centres, vacation and occasional care see the child care website via your MyUni student portal or the Services for Students Website

Child Care Information Officer
Level 7, Education Building A35
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5667
Fax: +61 2 9351 7055
Email: childc@stuserv.usyd.edu.au
Web: <http://www.usyd.edu.au/childcare>

Client Services, Information and Communications Technology (ICT)

Client Services are responsible for the delivery of many of the computing services provided to students. Students can contact Client Services by phoning the ICT Helpdesk on 9351 6000, through the IT Assist website (<http://www.itassist.usyd.edu.au>) or by visiting the staff at one of the University Access Labs. The access labs on the Camperdown and Darlington campuses are located in:

- Fisher Library (Level 2);
- Carslaw Building (Room 201);
- Education Building (Room 232);
- Christopher Brennan Building (Room 232);
- Engineering Link Building (Room 222); and
- Pharmacy and Bank Building (Room 510).

Other labs are available at the Law, Westmead Hospital and Cumberland campuses.

The labs provide students free access to computers including office productivity and desktop publishing software.

Services are available on a fee for service basis which include Internet access, printing facilities and the opportunity to host their own non-commercial website.

Each student is supplied with an account, called a 'Unikey' account, which allows access to a number of services including:

- free email (<http://www-mail.usyd.edu.au>);
- access to the Internet from home or residential colleges (<http://www.itassist.usyd.edu.au/services.html>);
- student facilities via the MyUni student portal (<http://myuni.usyd.edu.au>), including exam results, enrolment variations and timetabling; and
- free courses in basic computing (such as MS Office; basic html and excel) that are run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Client Services, Helpdesk
University Computer Centre, H08
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 6000
Fax: +61 2 9351 6004
Email: support@usyd.edu.au
Web: <http://www.itassist.usyd.edu.au>

The Co-op Bookshop

The Co-op Bookshop is a one-stop bookshop for:

- textbooks
- general books
- reference books
- DVDs
- flash drives; and
- software at academic prices.

Lifetime membership costs \$20.00 and gives great discounts on purchases (conditions apply).

Sports and Aquatic Centre Building G09

Phone: +61 2 9351 3705

Fax: +61 2 9660 5256

Email: sydu@coop-bookshop.com.au

Web: <http://www.coop-bookshop.com.au>

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling. The Service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. International students can access counselling assistance through the International Students Support Unit (ISSU). Each semester the Counselling Service runs a program of workshops designed to assist students master essential study and life management skills. Workshops are available to all local and international students. For details of workshops, activities and online resources provided by the service see the Counselling Service website via your MyUni student portal or the Services for Students website. Phone to make an appointment. Daily walk-in appointments are also available between 11am and 3pm.

Camperdown and Darlington campuses

Level 7, Education Building A35

University of Sydney

NSW 2006 Australia

Phone: +61 2 9351 2228

Fax: +61 2 9351 7055

Email: counsell@mail.usyd.edu.au

Web: <http://www.usyd.edu.au/counsel>

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42

University of Sydney

East Street

Lidcombe

NSW 2141 Australia

Phone: +61 2 9351 9638

Fax: +61 2 9351 9635

Email: CS_Cumberland@fhs.usyd.edu.au

Web: <http://www.usyd.edu.au/counsel>

Disability Services

Disability Services is the principal point of contact for advice on assistance available for students with disabilities. Students with a disability need to register with Disability Services to receive support and assistance. Disability Services works closely with academic and administrative staff to ensure that students receive reasonable accommodations in their areas of study. Assistance available includes the provision of note taking, interpreters and negotiation with academic staff regarding assessment and course requirement modifications where appropriate. For details on registering with the Service including documentation required and online resources see the Disability Services website via your MyUni student portal or <http://www.usyd.edu.au/disability>.

Camperdown and Darlington campuses

Level 7, Education Building A35

University of Sydney

NSW 2006 Australia

Phone: +61 2 9351 7040

Fax: +61 2 9351 3320

TTY: +61 2 9351 3412

Email: disserv@stuserv.usyd.edu.au

Web: <http://www.usyd.edu.au/disability>

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42

University of Sydney

East Street

Lidcombe

NSW 2141 Australia

Phone: +61 2 9351 9638

Fax: +61 2 9351 9635

Email: DS_Cumberland@fhs.usyd.edu.au

Web: <http://www.usyd.edu.au/disability>

Equity Support Services

Equity Support Services, located within Student Services, brings together a number of student support services that produce practical assistance and information to support students in meeting their academic and personal goals while at University. Services include Accommodation Service, Casual Employment Service, Childcare Information Officer, Disability Services and the Financial Assistance Officer. For details of these services and online resources provided see their individual entry in this Handbook or go to the MyUni student portal or the Services for Students website.

Email

See Client Services, Information and Communications Technology

Enrolment

Students entering first year

Details of enrolment procedures will be sent to you with your UAC offer of enrolment. Enrolment takes place at a specific time and date, usually during the last week of January.

All other students

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for web-based pre-enrolment.

Environmental Policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use; and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University wide Sustainable Campus Program.

Enquiries can be directed to the Manager, Environmental Strategies
Phone: +61 2 93512063

Email: sustainable@usyd.edu.au

or go to <http://www.usyd.edu.au/sustainable> where you can find out what the University is doing and how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Examinations

The Examinations and Exclusions Office looks after the majority of examination arrangements and student progression. Some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Examinations and Exclusions Office
Student Centre
Level 1, Carslaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +61 2 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

The Fees Office provides information on how to pay fees, where to pay fees and if payments have been received. The office also has information on obtaining a refund for fee payments.

Fees Office
Margaret Telfer Building K07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +61 2 9351 4202
Email: feespay@usyd.edu.au

Financial Assistance Office

The University of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University. The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent; phone and electricity bills; medical expenses; buying textbooks and course equipment. Loans are interest free and are repayable usually within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. Advertised bursaries, including First Year Bursaries, are advertised through the MyUni student portal in January each year. For details of types of assistance and online resources provided by the service see the Financial Assistance website via your MyUni student portal or the Services for Students website

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2416
Fax: +61 2 9351 7055
Email: fao@stuserv.usyd.edu.au
Web: http://www.usyd.edu.au/fin_assist

Freedom of Information

The University of Sydney falls within the jurisdiction of the *NSW Freedom of Information Act, 1989*. The act:

- requires information concerning documents held by the University to be made available to the public;
- enables a member of the public to obtain access to documents held by the University; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

(Note that a 'member of the public' includes staff and students of the University.)

It is a requirement of the act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While application may be made to access University documents, some may not be released in accordance with particular exemptions provided

While application may be made to access University documents, some may not be released in accordance with particular exemptions provided by the act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information (FOI) activities on a regular basis and to produce two documents: a *Statement of Affairs* (annually) and a *Summary of Affairs* (every six months). The *Statement of Affairs* contains information about the University, its structure, function and the kinds of documents held. The *Summary of Affairs* identifies the University's policy documents and provides information on how to make an application for access to University documents.

Further information and copies of the current Statement and Summary may be found at <http://www.usyd.edu.au/arms/foi>

The University is required to report to the public on its freedom of information (FOI) activities on a regular basis and to produce two documents: a *Statement of Affairs* (annually) and a *Summary of Affairs* (every six months). The *Statement of Affairs* contains information about the University, its structure, function and the kinds of documents held. The *Summary of Affairs* identifies the University's policy documents and provides information on how to make an application for access to University documents.

Further information and copies of the current Statement and Summary may be found at <http://www.usyd.edu.au/arms/foi>

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Carslaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3199, +61 2 9351 4009
Protocol: +61 2 9351 4612
Fax: +61 2 9351 5072

(Grievances) Appeals

You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters.

In some cases the by-laws or resolutions of the Senate (see the University Calendar) provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University's policy online website (click on 'Study at the University', then click on 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Students' Representative Council
Level 1, Wentworth Building G01
University of Sydney
NSW 2006 Australia

Phone: +61 2 9660 5222

HECS and Fees Office

Student Centre
Ground Floor, Carslaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5659, +61 2 9351 5062, +61 2 9351 2086
Fax: +61 2 9036 6111

HELP

See HECS and Fees Office

Information and Communications Technology

See Client Services, Information and Communications Technology

International Office

The International Office provides assistance with application, admission and enrolment procedures for international students. The International Office also includes units responsible for international marketing, government relations, international scholarships, including AusAID scholarships, and compliance with government regulations related to international students. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Office

Services Building G12
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Web: <http://www.usyd.edu.au/internationaloffice>

Study Abroad

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Web: <http://www.usyd.edu.au/studyabroad>

Student Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: exchange@io.usyd.edu.au
Web: <http://www.usyd.edu.au/studentexchange>

International Student Support Unit

The International Student Support Unit assists international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in a unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable. For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal or the Services for Students website <http://www.usyd.edu.au/stuserv>. International students also have access to all University student support services.

Camperdown and Darlington campuses

Ground Floor, Services Building G12
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Web: <http://www.usyd.edu.au/issu>

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42
University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ISSU_Cumberland@fhs.usyd.edu.au
Web: <http://www.usyd.edu.au/issu>

Koori Centre and Yooroang Garang

Islander people in all aspects of tertiary education at the University of Sydney. The Cadigal Special Entry Program assists Indigenous Australians to enter undergraduate study across all areas of the University.

As well as delivering block-mode courses for Indigenous Australian students, the Koori Centre teaches Indigenous Australian Studies in various mainstream courses. In addition the Centre provides tutorial assistance, and student facilities such as: computer lab, Indigenous research library and study rooms for Indigenous Australian students across the University.

In particular the Koori Centre aims to increase the successful participation of Indigenous Australians in undergraduate and postgraduate degrees, develop the teaching of Aboriginal Studies, conduct research in the field of Aboriginal education, and establish working ties with schools and communities.

The Koori Centre works in close collaboration with Yooroang Garang: School of Indigenous Health Studies in the Faculty of Health Sciences at the University's Cumberland Campus. Yooroang Garang provides advice, assistance and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre

Ground Floor, Old Teachers College A22
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2046 (general enquiries)
Toll Free: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Web: <http://www.koori.usyd.edu.au>

Yooroang Garang

T Block, Level 4, Cumberland Campus C42
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 9393
Toll Free: 1800 000 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Web: <http://www.yg.fhs.usyd.edu.au>

Learning Centre

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential throughout their undergraduate and postgraduate studies. The centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities. For details of programs, activities and online resources provided by the centre see the website via your MyUni student portal or the Services for Students website.

Camperdown and Darlington campuses

Level 7, Education Building A35
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3853
Fax: +61 2 9351 4865
Email: lc@stuserv.usyd.edu.au
Web: <http://www.usyd.edu.au/lc>

Cumberland Campus

Ground Floor, A Block, Cumberland Campus C42
University of Sydney
East Street
Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: LC_Cumberland@fhs.usyd.edu.au
Web: <http://www.usyd.edu.au/lc>

Library

The University of Sydney Library, the largest academic library in the Southern Hemisphere, is a network of 17 libraries located on nine campuses. The Library website provides access to services and resources, anywhere at anytime. The locations, opening hours and subject specialities of the libraries are listed on the website.

Over five million items are available via the Library catalogue, including more than 68,000 electronic journals and 281,000 electronic books. Past exam papers are also available online. Enrolled students are entitled to borrow from any of the University Libraries. More information is available at <http://www.library.usyd.edu.au/borrowing>.

Reading list items are available via the reserve service. Increasingly, reading list material is becoming available in electronic form. For details see the reserve service website.

Library staff are always available to support students in their studies. 'Ask a Librarian' in person, by email, or by using an online chat service.

A specialist librarian is available for all discipline areas and will provide training in finding high quality information. Courses cover a range of skills including research methodology, database searching, effective use of the Internet and the use of reference management software. See the subject contact page.

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Check the 'Libraries' link on the home page to find out about services and facilities in specific libraries.

The *Client Service Charter* describes the Library's commitment to supporting students' learning, including those with special needs. See the *Client Service Charter* online.

Your comments and suggestions are always welcome.

University of Sydney Library F03
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2993 (general enquiries)
Fax: +61 2 9351 2890 (administration)
+61 2 9351 7278 (renewals)
Email: loanenq@library.usyd.edu.au (loan enquiries),
udd@library.usyd.edu.au (document delivery enquiries)
Web: <http://www.library.usyd.edu.au>

Mathematics Learning Centre

The Mathematics Learning Centre assists undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first level mathematics or statistics units at university. The Centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides on-going support to eligible students during the year through individual assistance and small group tutorials. For details of activities and online

resources provided by the centre see the website via your MyUni student portal or the Services for Students website.

Level 4, Carlaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@stuserv.usyd.edu.au
Web: <http://www.usyd.edu.au/mlc>

Multimedia and Educational Technologies in Arts (META) Resource Centre (Languages and E-Learning)

The centre provides access to recorded lectures, classwork and interactive self-paced learning materials for students of languages other than English (LOTE) and English as a second language (ESL). The self study room provides interactive computer assisted learning and access to live multilingual satellite television broadcasts. Computer access labs provide Internet, email and word processing access. The centre also provides teaching rooms with state-of-the-art multimedia equipment, language laboratories and video conferencing facilities for Faculty of Arts courses.

Level 2, Brennan Building (opposite Manning House)
University of Sydney
NSW 2006 Australia

Phone: Library enquiries +61 2 9351 2683
For all other enquiries +61 2 9351 6781
Fax: +61 2 9351 3626
Email: For Library enquiries meta.library@arts.usyd.edu.au
For all other enquiries meta@arts.usyd.edu
Web: <http://www.arts.usyd.edu.au/centres/meta>

MyUni Student Portal

The MyUni student portal is the starting point and 'one-stop' environment for students to access all their web-based University information and services. MyUni automatically tailors what a student sees based on their login-in and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services for students in health, counselling, child care, accommodation, employment and wellbeing;
- student administration systems for obtaining exam results, enrolment and variations, timetabling, email services and links to courses and units of study information;
- links to the University's e-learning systems;
- library services;
- important messages and student alerts;
- information technology and support services;
- information for local, indigenous and international students; and
- campus maps, with descriptions of cultural, sporting and campus facilities.

Website: <http://myuni.usyd.edu.au>

Part-time, full-time

Undergraduate students

Undergraduate students are usually considered full-time if they have a student load of at least 0.375 each semester. Anything under this amount is considered a part-time study load.

Note that some faculties have minimum study load requirements for satisfactory progress.

Postgraduate students (Coursework)

For postgraduate coursework students part-time or full-time status is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load.

Please note that classes for some coursework programs are held in the evenings (usually 6–9pm).

Postgraduate students (Research)

Full-time candidates for research degrees do not keep to the normal semester schedule, instead they work continuously throughout the year with a period of four weeks recreation leave. There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt you should consult your faculty or supervisor.

International students

Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Policy online

In addition to the resolutions covering specific courses there are a number of University policies that apply to students. These include:

- The code of conduct for students
- Academic honesty in coursework
- Student plagiarism: Coursework assessment and examination of coursework

All of these policies can be accessed from the University's Policy online website.

Privacy

The University is subject to the *NSW Privacy and Personal Information Protection Act 1998* and the *NSW Health Records and Information Privacy Act 2002*. Central to both acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information. In compliance with the *Privacy and Personal Information Protection Act* the University developed a *Privacy Management Plan* which includes the *University Privacy Policy*. The *Privacy Management Plan* sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the *University Privacy Policy* were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at <http://www.usyd.edu.au/arms/privacy>.

Any questions regarding the *Freedom of Information Act*, the *Privacy and Personal Information Protection Act*, the *Health Records and Information Privacy Act* or the *Privacy Management Plan* should be directed to:

Tim Robinson: +61 2 9351 4263, or
Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for undergraduates

Scholarships Unit
Room 147, Ground Floor, Mackie Building KO1
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2717
Fax: +61 2 9351 5134
Email: scholarships@careers.usyd.edu.au

Web: <http://www.usyd.edu.au/scholarships>

Services for Students

See Student Services

Student Centre

Ground Floor, Carlaw Building F07
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3023 (general enquiries)
Academic records: +61 2 9351 4109
Discontinuation of enrolment: +61 2 9351 3023
Handbooks: +61 2 9351 5057
Prizes: +61 2 9351 5060
Fax: +61 2 9351 5081, +61 2 9351 5350 (academic records)
Web: <http://www.usyd.edu.au/studentcentre>

Student Identity Cards

The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card. The card must be carried at all times on the grounds of the University and must be shown on demand.

Student Services

The University provides personal, welfare, administrative and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at university and student services can assist you in managing and handling these more effectively. For details of services and online resources provided see your MyUni student portal or the Services for Students website: <http://www.usyd.edu.au/stuserv>.

The Sydney Summer School

Most faculties at the University offer units of study from undergraduate degree programs during summer. There are also some units of study available for postgraduate coursework programs from some faculties. As the University uses its entire quota of Commonwealth supported places in first and second semester, these units are full fee-paying for both local and international students and enrolment is entirely voluntary. However, Summer School units enable students to accelerate their degree progress, make up for a failed unit or fit in a unit which otherwise would not suit their timetables. New students may also gain a head start by completing subjects before they commence their degrees. Units start at various times from late November and run for up to six weeks (followed by an examination week). Notice of the units available is on the Summer School website and is usually circulated to students with their results notices. A smaller Winter School is also run from the Summer School office. It commences on 3 July and runs for up to three weeks (followed by an examination week). It offers mainly postgraduate and a few undergraduate units of study.

Information can be found on the Summer School website: <http://www.summer.usyd.edu.au>.

The University of Sydney Foundation Program (USFP)

The University of Sydney offers its foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The Foundation Program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. The Foundation Program allows both first and second semester entry to undergraduate courses at the University of Sydney and other universities within Australia.

Phone: +61 2 8263 1888
Fax: +61 2 9267 0531

Email: info@io.usyd.edu.au
Web: <http://www.usyd.edu.au/foundationprogram>

College Address
The University of Sydney Foundation Program
Taylors College
965 Bourke St
Waterloo NSW 2017

Phone: +61 2 8303 9700
Fax: +61 2 8303 9777

Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available from the Wednesday of O Week through the MyUni website.

University Health Service

The University Health Service provides a full experienced general practitioner service and emergency medical care to all members of the University community. You can consult a doctor either by appointment or on a walk-in basis (for more urgent matters only). The Health Service bills Medicare or your overseas student health care provider (Worldcare or Medibank Private) directly for the full cost of most consultations.

Email: director@unihealth.usyd.edu.au
Web: <http://www.unihealth.usyd.edu.au>
Fax: +61 2 9351 4110

University Health Service (Holme)

University Health Service (Holme)]]
Holme Building A09
Science Rd
University of Sydney
NSW 2006 Australia

Opening Hours: 8:30am–5pm, Mon–Fri
Phone: +61 2 9351 4095

University Health Service (Wentworth)

Level 3, Wentworth Building G01
University of Sydney
NSW 2006 Australia

Opening Hours: 8:30am–5:30pm, Mon–Fri
Phone: +61 2 9351 3484

Holme Building A09
Science Rd
University of Sydney
NSW 2006 Australia

Opening Hours: 8:30am–5pm, Mon–Fri
Phone: +61 2 9351 4095

See also the Glossary for administrative information relating to particular terms.

Student organisations and International students

Student organisations

Students' Representative Council

The Students' Representative Council (SRC) advances and defends the interests of Sydney University undergraduate students at Sydney University and in the community. SRC members receive free advocacy and advice and a discount at the SRC shop.

Level 1, Wentworth Building G01
University of Sydney
NSW 2006 Australia

Phone: + 61 2 9660 5222
Fax: +61 2 9660 4260
SRC Shop: +61 2 9660 4756
Email: info@src.usyd.edu.au
Web: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an independent representative association providing advice, advocacy and support services for the postgraduate student community. SUPRA is your postgraduate student association and is here to help you.

Raglan Street Building G10
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3715
Freecall: 1800 249 950
Fax: +61 2 9351 6400
Email: admin@supra.usyd.edu.au
Web: www.supra.usyd.edu.au

Sydney University Sport

Sydney University Sport provides opportunities for participation in a range of sporting and recreational activities along with first class facilities.

University Sports and Aquatic Centre G09
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@susport.usyd.edu.au
Web: www.susport.com

University of Sydney Union

The University of Sydney Union (USU) is the main provider of catering facilities, retail services, welfare programs and social and cultural events for the University community on the Camperdown and Darlington campuses and at many of the University's affiliated campuses.

University of Sydney Union
Level 1, Manning House A23
University of Sydney
NSW 2006 Australia

Phone: 1800 013 201 (switchboard)
Fax: +61 2 9563 6109
Email: info@usu.usyd.edu.au
Web: www.usuonline.com

International students

The following information is for international students studying onshore on an Australian Student Visa.

Full-time study

International students must maintain full-time enrolment at all times (a minimum of 18 credit points). However, in the following limited circumstances, part-time study is permitted:

- students studying in Australia on a different type of visa that does not carry study restrictions;
- students in their final semester who are required to take additional units to complete their course;
- cross-institutional students enrolled full-time at their home institution;
- students enrolled in an approved joint delivery program that involves enrolment at two institutions.

Satisfactory academic progress

The University is required to report to the Department of Immigration and Multicultural Affairs (DIMA) any International Student who fails to maintain satisfactory academic progress. This may result in automatic visa cancellation. It is important that International Students contact the International Office if they are experiencing academic difficulties.

Distance/web-based study

International students studying onshore in Australia are not permitted to enrol in distance or web-based courses. However, a small number of web-based units within a course taught largely in face-to-face mode are allowed. Contact the faculty to discuss enrolment options.

Work permits

International students with a work permit are permitted to work for up to 20 hours during semester and full-time during the University's official vacation periods. Contact the International Office for more information.

Change of address

International Students must notify the University of their residential address within seven days of arrival and notify any change of address within seven days. This may be done via the University's MyUni Web portal.

Course transfers

Sponsored students will need permission from their sponsors before transferring courses. Australian Government sponsored students (AusAID, Endeavour) and Asia Development Bank (ADB) sponsored students should contact the International Office in the early stages of considering a course transfer.

Suspension/discontinuation

The University is required to report to DIMA international students who discontinue or suspend their studies. Students who suspend their studies for severe medical or compassionate reasons should contact the International Office urgently.

Overseas student health cover

Australian Student Visa holders must maintain overseas health cover for the duration of their stay. The International Office arranges health cover for the first year but it is the individual student's responsibility to maintain health cover for each subsequent year.

Additional information

For more information related to international students, please see the Glossary in this handbook.

Abbreviations

For a glossary of terms, describing the terminology in use at the University of Sydney, please see the glossary section.

Listed below are the more commonly used acronyms that appear in University documents and publications.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A	
AARNet	Australian Academic Research Network
AAUT	Australian Awards for University Teaching
AAM	Annual Average Mark
ABC	Activity Based Costing
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Cooperation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARTS	Automated Results Transfer System
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATP	Australian Technology Park
ATPL	Australian Technology Park Limited
AUQA	Australian Universities Quality Agency
AusAID	Australian Agency for International Development
AUTC	Australian Universities Teaching Committee
AVCC	Australian Vice-Chancellors Committee

B	
BAA	Backing Australia's Ability
BAC	Budget Advisory Committee
BITLab	Business Intelligence Lab
BLO	Business Liaison Office
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme

C	
CAF	Cost Adjustment Factor
CAUT	Committee for Advancement of University Teaching
CDP	Capital Development Program
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CES	Casual Employment Service
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHESN	Commonwealth Higher Education System Student Number
CHS	College of Health Sciences
CIO	Chief Information Officer
COE	Confirmation of Enrolment
CPSU	Community and Public Sector Union

C	
CRC	Cooperative Research Centre
CREO	Centre for Regional Education, Orange
CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
CRRRI	Centre for Rural and Regional Innovation
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CST	College of Sciences and Technology
CULT	Combined Universities Language Test
CUTSD	Committee for University Teaching and Staff Development

D	
DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
DIMA	Department of Immigration and Multicultural Affairs
D-IRD	Discovery-Indigenous Researchers Development Program
DVC	Deputy Vice-Chancellor

E	
EB	Enterprise Bargaining
EFTSU	Equivalent Full-Time Student Unit
EFTSL	Equivalent Full-Time Student Load
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act

F	
FFT	Fractional Full-Time (Equivalent Staff)
FlexSIS	Flexible Student Information System
FHS	Faculty of Health Sciences
FMO	Facilities Management Office
FOS	Field of Study
FTE	Full-Time Equivalent (Staff)
FRM	Faculty of Rural Management

G	
GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate Destination Survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GSG	Graduate School of Government
GWSLN	Greater Western Sydney Learning Network

H	
HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program

H	
HEFA	Higher Education Funding Act 1988
HEIMS	Higher Education Information Management System
HEIP	Higher Education Innovation Program (DEST)
HELP	Higher Education Loan Program
HEO	Higher Education Officer
HEP	Higher Education Provider
HERDC	Higher Education Research Data Collection
HESA	Higher Education Support Act
HOD	Head of Department

I	
IAF	Institutional Assessment Framework (This is a new name for what was previously the DEST Profile process.)
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
ICTR	Information and Communication Technology Resources
IELTS	International English Language Testing Scheme
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual Property
IPRS	International Postgraduate Research Scholarships
IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services

J	
JASON	Joint Academic Scholarships Online Network

L	
LBOTE	Language Background Other Than English

M	
MBA	Master of Business Administration
MISG	Management Information Steering Group
MNRF	Major National Research Facilities Scheme
MOU	Memorandum of Understanding
MPG	Major Projects Group
MRB	Medical Rural Bonded Scholarship Scheme

N	
NBCOTP	National Bridging Courses for Overseas Trained Program
NCG	National Competitive Grant
NESB	Non-English-Speaking Background
NHMRC	National Health and Medical Research Council
NOIE	National Office for the Information Economy
NOOSR	National Office for Overseas Skill Recognition
NRSL	Non-Recent School Leaver
NSW VCC	New South Wales Vice-Chancellors' Conference
NTEU	National Tertiary Education Industry Union

O	
OECD	Organisation for Economic Cooperation and Development
OLA	Open Learning Australia
OLDPS	Open Learning Deferred Payment Scheme

O	
OPRS	Overseas Postgraduate Research Scholarships

P	
PELS	Postgraduate Education Loans Scheme
PSO	Planning Support Office
PVC	Pro-Vice-Chancellor

Q	
QA	Quality Assurance
QACG	Quality Advisory and Coordination Group

R	
R&D	Research and Development
R&R	Restructuring and Rationalisation Program
RC	Responsibility Centre
REG	Research and Earmarked Grants
REP	Research Education Program
RFM	Relative Funding Model
RIBG	Research Infrastructure Block Grant (DEST)
RIEF	Research Infrastructure Equipment and Facilities Scheme
RISF	Restructuring Initiatives Support Fund
RMO	Risk Management Office
ROA	Record of Achievement
RQ	Research Quantum
RQU	Recognition Quality Unit (Higher Education Division – DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent School Leaver
RTS	Research Training Scheme (DEST)

S	
SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SEG	Senior Executive Group
SES	Socioeconomic Status
SI	Scholarship Index
SLE	Student Learning Entitlement
SNA	Safety Net Adjustment
SPIRT	Strategic Partnerships with Industry – Research and Training Scheme
SPR	Student Progress Rate
SRC	Students' Representative Council
SSR	Student/Staff Ratio
STABEX	Study Abroad Exchange (database)
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney University Sport

T	
TAFE	Technical and Further Education
TOEFL	Test of English as a foreign language
TPI	Teaching Performance Indicator

U	
UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organisation

U	
UPA	University Postgraduate Awards

V	
VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training

W	
WAM	Weighted Average Mark
WRP	Workplace Reform Program
WTO	World Trade Organization

Y	
YFE	Year of First Enrolment

Glossary

For a table of the more commonly used acronyms and abbreviations that appear in University documents and publications please see the abbreviations section.

This glossary describes terminology in use at the University of Sydney.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Academic Board

The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and units of study and policy relating to the admission and candidature of students. (For further information, see the University Calendar.)

Academic cycle

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One through to the completion of the processing of results at the end of Semester Two. (See also Stage.)

Academic dishonesty

Academic dishonesty occurs when a student presents another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams. (See also Plagiarism.)

Academic record

The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student. (See also Academic transcript.)

Academic transcript

A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal. (See also External transcript, Internal transcript.)

Academic year

The current calendar year in which a student is enrolled. (See also Academic cycle, Stage.)

Admission

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis

The main criteria used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies; work experience; special admission; and the Universities Admission Index (UAI).

Admission (Deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode

A classification based on how a student was admitted to a course, for example 'UAC' or 'direct'.

Admission period

The period during which applications for admission to courses are considered.

Admission year

The year the student expects to begin the course (see also Commencement date.)

Advanced diplomas

(See Award course.)

Advanced standing

(See Credit.)

Advisor

A member of academic staff appointed in an advisory role for some postgraduate coursework students. (See also Associate supervisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Aegrotat

In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

Alumni sidneiensis

A searchable database of graduates of the University from 1857 to 30 years prior to the current year.

Annual average mark (AAM)

The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

$$AAM = \frac{\sum (\text{marks} \times \text{credit point value})}{\sum (\text{credit point value})}$$

(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included.

Annual progress report

A form which is used to monitor a research student's progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student's official file.

Appeals

Students may lodge an appeal against academic or disciplinary decisions. An academic appeal (e.g. against exclusion) is managed by the Student Centre – Exclusions Office while it is under consideration and a record of the outcome of the appeal will be retained.

Assessment

The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations. (See also Result processing, Result processing schedule.)

Formative assessment

Formative assessment is used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limitations in their knowledge and understanding.

Summative assessment

Summative assessment is used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor

A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision. (See also Advisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Assumed knowledge

For some units of study, a student is assumed to have passed a relevant subject at the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study. (See also Prerequisite.)

Attendance pattern

Attendance pattern is classified as full-time, part-time or external, this is dependant on the student's mode of attendance and the student load.

Attendance mode

A Department of Education, Science and Technology (DEST) classification defining the manner in which a student is undertaking a course, i.e. internal, external, mixed or offshore.

Australian Qualifications Framework (AQF)

The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY

Austudy provides financial help to students who are aged 25 years or more who meet the required criteria, and are undertaking an approved full-time course at an approved institution. (See also Youth Allowance.)

Automated Results Transfer System (ARTS)

This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award course

(See Course.)

B**Bachelor's degree**

The highest undergraduate award offered at the University. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent. (See also Award course.)

Barrier

An instruction placed on a student's record that prevents the student from re-enrolling or graduating. (See also Deadlines (fees), Suppression of results.)

Board of Studies

An academic body which supervises a course or courses, and which is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

Bursaries

Financial award made to a student, based primarily on need. (See also Scholarships.)

C**Calendar**

The annual University publication which provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Senate resolutions relating to constitutions and courses in each faculty.

Cadigal program

A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Campus

The grounds on which the University is situated. There are 10 campuses of the University of Sydney:

- Burren Street (Institute of Transport Studies)
- Camperdown
- Darlington
- Camden (Agriculture and Veterinary Science)
- Conservatorium (Sydney Conservatorium of Music)
- Cumberland (Health Sciences)
- Mallett Street (Nursing)
- Rozelle (Sydney College of the Arts)
- St James (Law)
- Surry Hills (Dentistry)

Cancellation

Where enrolment is cancelled for non-payment of fees.

Candidature

Candidature commences when a student is admitted to a course of study leading to the award of a degree, diploma or certificate. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full-time or part-time student.

Census date

The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST. (See also Commonwealth-supported Student, HECS-HELP.)

Ceremony

(See Graduation ceremony.)

Chancellor

The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical experience

Students undertake clinical placements in a professional environment as part of their course requirements. Many require University approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

College of Health Sciences

Consists of the Faculties of Dentistry; Health Sciences; Medicine; Nursing; and Pharmacy.

College of Humanities and Social Sciences (CHASS)

Consists of the Faculties of Arts; Economics and Business; Education; Law; the Sydney College of the Arts; and the Sydney Conservatorium of Music.

College of Sciences and Technology (CST)

Consists of the Faculties of Agriculture, Food and Natural Resources; Architecture; Engineering; Rural Management; Science, and Veterinary Science.

Combined course

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree

A combined degree is a single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions). (See also Combined course.)

Commencement date

The date a student commences candidature.

Commonwealth-supported student

Most of the students who study at the University of Sydney are Commonwealth supported. These students have most of the cost of their education paid by the government but must also contribute towards this cost themselves (their student contribution).

Compulsory subscriptions

Each enrolled student is liable to pay annual (or semester) subscriptions, as determined by the Senate, to the student organisations at the University. There are different organisations for undergraduate and postgraduate students.

The student organisations are specific to different campuses. The organisations at campuses other than Camperdown and Darlington include: the Conservatorium Student Association, the Cumberland Student Guild, the Orange Agricultural College Student Association and the Student Association of Sydney College of the Arts. (See also Compulsory subscription exemption, Joining fee, Life membership.)

Compulsory subscription exemption

Students of a certain age or those with disabilities or medical conditions may be exempt from the subscription to the sports body. Conscientious objectors to the payment of subscriptions to unions of any kind may apply to the Registrar for exemption. The Registrar may permit such a student to make the payment to the Jean Foley Bursary Fund instead. (See also Compulsory subscriptions.)

Confirmation of Enrolment form (COE)

This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally. A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures

Two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at the University of Sydney and individual departments at the University of New South Wales (UNSW) and the University of Technology Sydney (UTS), whereby students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

Continuing professional education

A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long term relationship between the student and the University.

Convocation

The body comprising all graduates of the University.

Core unit of study

A unit of study that is compulsory for a particular course or subject area. (See also Unit of study.)

Corequisite

A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS. (See also Prerequisite, Waiver.)

Cotutelle Scheme

Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing cooperative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

Course

An undertaking of study at the University of Sydney.

Award course

A formal course of study that will see attainment of a recognised award. Award courses are approved by Senate, on the recommendation of the Academic Board. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. (See also Bachelor's degree, Course rules, Diploma, Doctorate, Major, Master's degree, Minor, PhD, Stream.)

Non-award course

Studies undertaken by students who are not seeking an award from the University. (See also Cross-institutional enrolment.)

Coursework

An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original, supervised, other forms of instruction and learning normally will be dominant.

Research

A course in which at least 66 per cent of the overall course requirements involve students in undertaking supervised research, leading to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias

A unique five character alpha-numeric code which identifies a University course.

Course code

(See Course alias.)

Course enrolment status

A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. 'Not enrolled' reasons include: cancelled; suspended; under examination; or terminated. (See also Cancellation, Candidature, Course leave, Enrolment, Enrolment variation, Terminated, Under examination.)

Course leave

Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission. (See also Progression.)

Course rules

Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated, e.g. a candidate

may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, e.g. a candidate must have completed a minimum of 144 credit points. (See also Award course, Corequisite, Prerequisite.)

Course suspension

(See Course leave.)

Course transfer

A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (e.g. from a PhD to a master's program in the same faculty).

Credit

The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. Credit may be granted as specified credit or non-specified credit.

Specified credit

The recognition of previously completed studies as directly equivalent to units of study.

Non-specified credit

A 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study. (See also AAM – Annual average mark, Waiver, Weighted average mark (WAM).)

Credit points

The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study will have a credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

Cross-institutional enrolment

An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a student-contribution liability (see Commonwealth-supported student) or tuition fee charge at the institution at which the unit of study is being undertaken. (See also Non-award course).

D**Data Audit Committee (DAC)**

The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A subcommittee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and the Planning Support Office.

Deadlines (Enrolment variations)

(See Enrolment variation.)

Deadlines (Fees)

The University has deadlines for the payment of fees (e.g. HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record. (See also Barrier, Cancellation.)

Dean

The head of a faculty, or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of Arts).

Dean's certificate

A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

Deferment (Deferral)

(See Admission (deferment), Course leave.)

Degree

(See also Award course, Bachelor's degree.)

Delivery mode

Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, i.e. an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Distance education

Where subject matter is delivered in a more flexible manner, such as correspondence notes, and student may only attend campus if required. (See also Extended semester, Distance education, International – off shore.)

Intensive on campus

Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On campus (normal)

Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department

(See School.)

Department of Education, Science and Training (DEST)

The Commonwealth Government department responsible for higher education.

Differential HECS

(See Higher Education Contribution Scheme (HECS).)

Diploma

The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course. (See also Award course.)

Direct admissions

For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome. (See also Admission, UAC.)

Disability information

Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature.

Disciplinary action

Undertaken as the result of academic or other misconduct, e.g. plagiarism, cheating, security infringement, criminal activity.

Discipline

A defined area of study, for example, chemistry, physics, economics.

Discipline group

A DEST code used to classify units of study in terms of the subject matter being taught or being researched.

Discontinuation (course)

(See Enrolment variation.)

Discontinuation (unit of study)

(See Enrolment variation.)

Dissertation

A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance education

Where a student does not attend campus on a daily basis for a given course or unit of study. (See also Delivery mode, Extended semester.)

Doctorate

A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a master's degree course. Note that the doctorate course is not available in all departments at the University. (See also Award course, PhD.)

Domestic Student

A student who is not an international student. (See also Local student.)

Double degree

A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade

Where a student enrolled in a PhD reverts to a master's by research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

E**Equivalent full-time student unit (EFTSU)**

The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated one EFTSU. (See also Load, Stage.)

Equivalent full-time student load (EFTSL)

The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis (effective 1 January 2005).

Embedded courses

Award courses in the graduate certificate, graduate diploma and master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, e.g. the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment

A student enrolls in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing

An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing

Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol. (See also Pre-enrolment.)

Enrolment list

A list of all currently enrolled students in a particular unit of study. (See also Unit of study.)

Enrolment status

(See Course enrolment status.)

Enrolment Variation

Students may vary their enrolment at the beginning of each semester. Each faculty determines its deadlines for variations, but HECS liability depends on the HECS census date. (See also HECS.)

Examination

A set of questions or exercises evaluating on a given subject given by a department or faculty. (See Examination period, Assessment.)

Examination period

The time set each semester for the conduct of formal examinations.

Examiner (Coursework)

The person assessing either the written/oral examination, coursework assignments, presentations, etc of a student or group of students.

Exchange student

Either a student of the University of Sydney who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion

A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show good cause' why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered.

University policy relating to exclusion is set out in the University Calendar. (See also Progression, Senate appeals.)

Exemption

A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment. (See also Credit, Waiver.)

Expulsion

The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

- the student is not allowed to be admitted or to re-enrol in any course at the University;
- the student does not receive their results;
- the student is not allowed to graduate; and
- the student does not receive a transcript or testamur.

Extended semester

A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, e.g. drought, flood or illness, affect the student's ability to complete the module or program in the specified time. (See also Distance education.)

External

(See Attendance mode, Distance education.)

External transcript

A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course together with the result. It also acknowledges prizes the student has received.

Marks can be included or omitted, as required. (See also Academic transcript, Internal transcript.)

F

Faculty

A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The University Calendar sets out the constitution of each of the University's faculties. (See also Board of Studies, Supervising faculty.)

Faculty handbook

The annual University publication for each faculty which provided detailed information about the faculty and its courses.

FEE-HELP Loan

Fee-paying students who are Australian citizens or holders of a Permanent Humanitarian Visa can gain assistance in paying their fees through the Commonwealth Government's FEE-HELP program. There is a \$50,000 limit to the amount students can borrow and a 20 per cent loan fee on the amounts borrowed through FEE-HELP.

Fee-paying students

Students who pay tuition fees to the University and are not liable for HECS.

Fellows of Senate

Members of the governing body of the University.

Flexible learning

(See Delivery mode, Distance education.)

Flexible start date

Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or HECS students.

Flexible Student Information System (FlexSIS)

The computer-based Flexible Student Information System at the University of Sydney. FlexSIS holds details of courses and units of study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment

(See Assessment.)

Full-time student

(See also Attendance pattern, EFTSU.)

G

Grade

The outcome for a unit of study linked with a mark range. For example, a mark in the range 85–100 attracts the grade 'high distinction' ('HD'). (See also Mark.)

Grade	Description	Comment
HD	High distinction	A mark of 85–100.
D	Distinction	A mark of 75–84.
CR	Credit	A mark of 65–74.
P	Pass	A mark of 50–64.
R	Satisfied requirements	This is used in pass/fail only outcomes.
UCN	Unit of study continuing	Used at the end of semester for units of study that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the unit of study.

Grade	Description	Comment
PCON	Pass (concessional)	A mark of 46–49. Use of this grade is restricted to those courses that allow for a concessional pass of some kind to be awarded. A student may re-enrol in a unit of study for which the result was PCON. Each faculty will determine and state in its course regulations what proportion, if any, may count – e.g. "no more than one sixth of the total credit points for a course can be made up from PCON results".
F	Fail	A mark of 0–49. This grade may be used for students with marks of 46–49 in those faculties which do not use PCON.
AF	Absent fail	Includes non-submission of compulsory work (or non-attendance at compulsory labs, etc) as well as failure to attend an examination.
W	Withdrawn	Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a unit of study by the HECS census date (i.e. within the first four weeks of enrolment).
DNF	Discontinued not to count as failure	Recorded on external transcript. This result applies automatically where a student discontinues after the HECS census date but before the end of the seventh week of the semester (or before half of the unit of study has run, in the case of units of study which are not semester-length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure.
INC	Incomplete	This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board, this result will be converted to a normal permanent passing or failing grade either: by the dean at the review of examination results conducted pursuant to section 2(4) of the Academic Board policy 'Examinations and Assessment Procedures'; or automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.
UCN	Incomplete	A MINC or INC grade is converted, on the advice of the dean, to UCN when all or many students in a unit of study have not completed the requirements of the unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (e.g. honours).

Graduand

A student who has completed all the requirements for an award course but has not yet graduated. (See also Graduation, Potential graduand.)

Graduate

A person who holds an award from a recognised tertiary institution. (See also Graduand, Graduation.)

Graduate Certificate

(See Award course.)

Graduate Diploma

(See Award course.)

Graduate entry degree

A bachelor's, or undergraduate degree, that requires another undergraduate degree as a prerequisite of entry. Examples of graduate entry degrees at the University of Sydney include: the Medical Program; Graduate Law and the Bachelor of Dentistry.

Graduation

The formal conferring of awards either at a ceremony or in absentia. (See also In absentia, Potential graduand.)

Graduation ceremony

A ceremony where the Chancellor confers awards upon graduands.

Group work

Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment. (See also Legitimate cooperation.)

Grand Weighted Average Mark (GWAM)

Is the WAM calculated over all units of study undertaken in a degree course (except those "Discontinued – Not to count as failure" and those with only a "Satisfied Requirements" result), weighted according to credit point value and the year-levels (1, 2, 3 or 4) of the units of study. The GWAM may be expressed as:

$$GWAM = \frac{\sum (Mark \times Credit Points \times Year)}{\sum (Credit Points \times Year)}$$

H**Handbook**

(See Faculty handbook.)

Head of department (HOD)

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher doctorates

(See Award course.)

HECS (Higher Education Contribution Scheme)

Higher Education Contribution Scheme (HECS)

The Higher Education Contribution Scheme (HECS) was the previous Commonwealth Government student loan scheme. It ceased to operate on 1 January, 2005 and was replaced by HECS-HELP (see below).

HECS-HELP Loan

Commonwealth supported students who are Australian citizens or holders of a Permanent Humanitarian Visa can choose to pay their contributions upfront or to obtain a HECS-HELP loan from the Commonwealth. A HECS-HELP loan is repaid through the tax system once the student is working and their income reaches a threshold (currently around \$35 000). Students who choose to pay their student contribution upfront receive a 20 per cent discount. The student's contribution is calculated twice a year (before each semester).

Honorary degrees

A degree *honoris causa* (translated from the Latin as 'for the purpose of honouring') is conferred on a person whom the University wishes to honour. Long-standing full-time members of the University's academic staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission ad eundem gradum, to an appropriate degree of the University.

Honours

Some degrees may be completed 'with Honours'. This may involve either the completion of a separate honours year or additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II – which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)

The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

I**In absentia**

Latin for 'in the absence of'. Awards are conferred in absentia when graduands do not, or cannot, attend the graduation ceremony

scheduled for them. Those who have graduated in absentia may later request that they be presented to the Chancellor at a graduation ceremony. (See also Graduation.)

Instrumental supervisor/teacher

All students at the Sydney Conservatorium of Music and BMus students on the Camperdown Campus have an instrumental teacher appointed. (See also Advisor, Associate supervisor, Research supervisor, Supervision.)

Internal mode

(See Attendance mode.)

Internal transcript

A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course together with the unit of study result. (See also Academic transcript, External transcript.)

International student

Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees.

Fee-paying

A private International Student who is liable to pay tuition fees for their studies with the University.

Fee-paying – Outgoing exchange

An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International – cross-institutional

An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rests with their 'home' institution.

International – Sponsored

A private international student who is fully sponsored for his/her tuition; his/her sponsorship may also cover Overseas Health Cover and Compulsory Subscriptions.

Offshore studies

International offshore students undertake their program of study at one of the University's offshore campuses and hence do not enter Australia; therefore they do not require a visa. They are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short course

An international fee-paying student undertaking a short course with the University of Sydney comprising such programs as international development programs, executive training or study visits. The study undertaken by these students is non-award and generally a student visa is not required.

Sponsored award

An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad

An international student who is undertaking short-term study at the

University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and are continuing towards the degree of their home institution. (See also Local student, Student type.)

J

Joining fee

Students enrolling for the first time pay a joining fee in addition to the standard subscription for the University of Sydney Union or equivalent student organisation. (See also Compulsory subscription.)

L

Learning Entitlement

Each student has a seven year full-time period during which they can remain Commonwealth supported. This seven year period is called their 'learning entitlement'.

Leave

See Course leave.

Legitimate cooperation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through interaction between students. (See also Group work.)

Life membership

Under some circumstances (e.g. after five full-time years of enrolments and contributions) students may be granted life membership of various organisations. This means they are exempt from paying yearly fees. (See also Compulsory subscriptions.)

Load

The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU). (See also Equivalent full-time student units (EFTSU).)

Local Student

Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront. (See also Commonwealth-supported student, Domestic student, International student.)

M

Major

A field of study, chosen by a student, to represent their principal interest. This would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduand's assessment of study. (See also Award course, Minor, Stream.)

Major timetable clash

The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark

An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study. (See also Grade.)

Master's degree

A postgraduate award. Master's degree courses may be offered by

coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an honours year at an undergraduate level. (See also Award course.)

Method of candidature

A course is either a research course or a coursework course and so the methods of candidature are 'research' and 'coursework'. (See also Course – Coursework, Course – Research.)

Minor

Studies undertaken to support a Major. Requiring a smaller number of credit points than a major students select and transfer between minors (and majors) by virtue of their selection of units of study. One or more minors may be awarded upon the graduand's assessment of study. (See also Award course, Major, Stream.)

Mixed mode

(See Attendance mode.)

MPhil

The Master of Philosophy (MPhil) is a master's by research degree offered by some (but not all) of the University's faculties. (See also Award course, Master's degree.)

Mutually exclusive units of study

(See Prohibited combinations of units of study.)

MyUni

The University of Sydney's student portal system. It provides students with access to information about the University and its courses, including access to email, library services, student support services, student self-administration and e-learning software such as Blackboard and WebCT.

N

Non-award course

(See Course.)

Non-standard session

A teaching session other than the standard February and August sessions – e.g. Summer School, in which units of study are delivered and assessed in an intensive mode during January. (See also Semester, Session.)

O

Orientation Week

Orientation or 'O Week', takes place in the week before lectures begin in Semester One. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

P

Part-time student

(See Attendance mode, Attendance pattern, Equivalent full-time student units (EFTSU).)

Permanent home address

The address used for all official University correspondence with a student, both inside and outside of semester time (e.g. during semester breaks), unless the student provides a different overridden by semester address for use during the semester. (See also Semester address.)

PhD

The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. (See also Award course, Doctorate.)

Plagiarism

Presenting another person's ideas, findings or work as one's own by copying or reproducing them without the acknowledgement of the source. (See also Academic dishonesty.)

Postgraduate

A term used to describe a course leading to an award such as graduate diploma, a master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course. (See also Course – Coursework, Course – Research.)

Postgraduate Education Loans Scheme (PELS)

An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme was replaced by the FEE-HELP scheme on 1 January 2005. (See FEE-HELP Loan.)

Potential graduand

A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies. (See also Graduand, Graduation.)

Pre-enrolment

Pre-enrolment – also known as provisional re-enrolment – takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period. (See also Enrolment.)

Prerequisite

A unit of study that is required to be successfully completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory. (See also Assumed knowledge, Corequisite, Waiver, Qualifier.)

Prizes

Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature

A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional practice

Students undertake placement in a professional practice as a part of their course requirements. May require University approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression

Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed. (See also Exclusion.)

Prohibited combinations of units of study

When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit. (See also unit of study.)

Provisional re-enrolment

(See Pre-enrolment.)

Q**Qualification**

An academic attainment recognised by the University.

Qualifier

A mandatory (compulsory) prerequisite unit of study which must have a grade of pass or better. (See also Assumed knowledge, Corequisite, Prerequisite, Waiver.)

R**Recycling**

The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration

In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course

(See Course – Research.)

Research supervisor

A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Supervision.)

Result processing

Refers to the processing of assessment results for units of study. For each unit of study, departments tabulate results for all assessment activities and assign preliminary results. (See also Assessment, Formative assessment, Examination period, Summative assessment.)

Result processing schedule

The result processing schedule will be determined for each academic cycle. All departments and faculties are expected to comply with this schedule. (See also Assessment, Examination period, Result processing.)

Result

The official statement of a student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade. (See also Grade, Mark.)

Research Training Scheme (RTS)

The RTS provides Commonwealth-funded higher degree by research (HDR) students with an 'entitlement' to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years full-time equivalent study for a doctorate by research and two years full-time equivalent study for a master's by research.

S**Scholarships**

Financial or other form of support made available to enable students to further their studies. (See also Bursaries.)

School

A school or academic unit shall encourage and facilitate teaching, scholarship and research and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester

A half-yearly teaching session whose dates are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board. (See also Session, Non-standard session.)

Semester address

The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate

The governing body of the University. (See the University Calendar for more details of its charter and powers.)

Senate appeals

Senate appeals are held for those students who, after being excluded by a faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues, i.e. the department, faculty, board of study and, in the case of postgraduates, the Committee for Graduate Studies. (See also Exclusion.)

Session

Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester One or Two for DEST reporting purposes. Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. The Academic Board must approve variation to the normal session pattern. (See also Semester, Non-standard teaching period.)

Session address

(See Semester address.)

Short course

A fee paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show cause

(See Progression, Exclusion.)

Special consideration

Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Sponsorship

Financial support of a student by a company or government body.

Stage

A normal full-time course of study taken in a year. (See also Course rules, EFTSU, Progression.)

Stream

A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on testamurs, e.g. Bachelor of Engineering in Civil Engineering (Construction Management). (See also Award course, Major, Minor.)

Student

Student means a person enrolled as a candidate for an award course or unit of study.

Student identifier (SID)

A nine-digit number which uniquely identifies a student at the University.

Student ID Card

All students who enrol are issued with an identification card. The card includes the student's name, SID, the course code, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student progress rate (SPR)

A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type

Student type identifies whether a student is local or international and the type of study the student is undertaking. (See also International student, Domestic student, Exchange student.)

Study Abroad program

A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution. (See also Exchange student.)

Subject area

A unit of study may be associated with one or more subject areas. The subject area can be used to define prerequisite and course rules, e.g. the unit of study 'History of Momoyama and Edo Art' may count towards the requirements for the subject areas 'Art History and Theory' and 'Asian Studies'.

Summative assessment

See Assessment.

Summer School

(See Sydney Summer School.)

Supervising faculty

The faculty which has the responsibility for managing the academic administration of a particular course, i.e. the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course. However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (e.g. the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision

Refers to a one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Research supervisor.)

Suppression of results

Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension

(See Course leave.)

Sydney Summer School

A program of accelerated, intensive study running for approximately six weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up

on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course. All units attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Semester Weighted Average Mark (SWAM)

Is the WAM calculated over all units of study undertaken in a semester (except those 'Discontinued – Not to count as failure' and those with only a 'Satisfied Requirements' result), weighted according to credit point value. The SWAM may be expressed as:

$$SWAM = \frac{\sum (Mark \times Credit\ points)}{\sum (Credit\ points)}$$

T

Teaching department

(See School.)

Teaching end date

Official finish date of formal timetabled classes.

Teaching start date

Official commencement date of formal timetabled classes.

Terminated

Term used when a student's candidature has been officially closed because they are not able to complete the Course requirements. (See also Candidature.)

Testamur

A certificate of award provided to a graduand, usually at a graduation ceremony. The Award conferred will be displayed along with other appropriate detail.

Thesis

A major work that is the product of an extended period of supervised independent research. (See also Course – Research.)

Timetable

The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

(See Academic transcript.)

Transfer

(See Course transfer.)

Tuition fees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U

Universities Admissions Centre (UAC)

The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)

A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under examination

Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners' outcome and recommendation.

Undergraduate

A term used to describe both a course leading to a diploma or bachelor's degree and a student enrolled in such a course.

Unit of study

Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department. (See also Prohibited combinations of unit of study.)

Unit of study enrolment status

The enrolment status indicates whether the student is still actively attending the unit of study (i.e. currently enrolled) or is no longer enrolled. (See also Discontinuation or Cancellation.)

Unit of study level

Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University

Unless otherwise indicated, University in this document refers to the University of Sydney.

University Medal

A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree (or some master's degrees), whose academic performance is judged to be outstanding.

Upgrade

Where a student enrolled in a master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

USYDnet

The University of Sydney's intranet system. It provides access to other services such as directories (maps, staff and student, organisations), a calendar of events (to which staff and students can submit entries), and a software download area.

V

Variation of enrolment

(See Enrolment variation.)

Vice-Chancellor and Principal

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W

Waiver

In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course. (See also Credit, Exemption.)

Winter School

An intensive session offered by the University during the mid-year break.

Weighted average mark (WAM)

This mark uses the unit of study credit point value in conjunction with an agreed 'weight'. The formula for this calculation is:

$$WAM = \frac{\sum (W_c \times M_c)}{\sum (W_c)}$$

Where W_c is the weighted credit point value – ie, the product of the credit point value and the level of weighting of 1, 2, 3, or 4 for a first, second, third or fourth year unit of study respectively; and where M_c is the greater of 45 or the mark out of 100 for the unit of study.

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. (See also WAM weight.)

WAM weight

A weight assigned to each unit of study to assist in the calculation of WAMs.

Y**Year of first enrolment (YFE)**

The year in which a student first enrolls at the University. (See also Commencement date.)

Youth Allowance

Youth Allowance is payable to a full-time student or trainee aged 16–24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.

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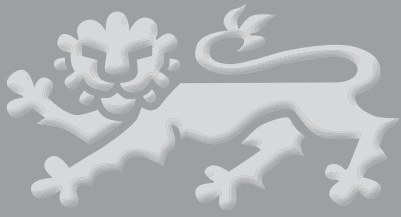
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2007 handbook

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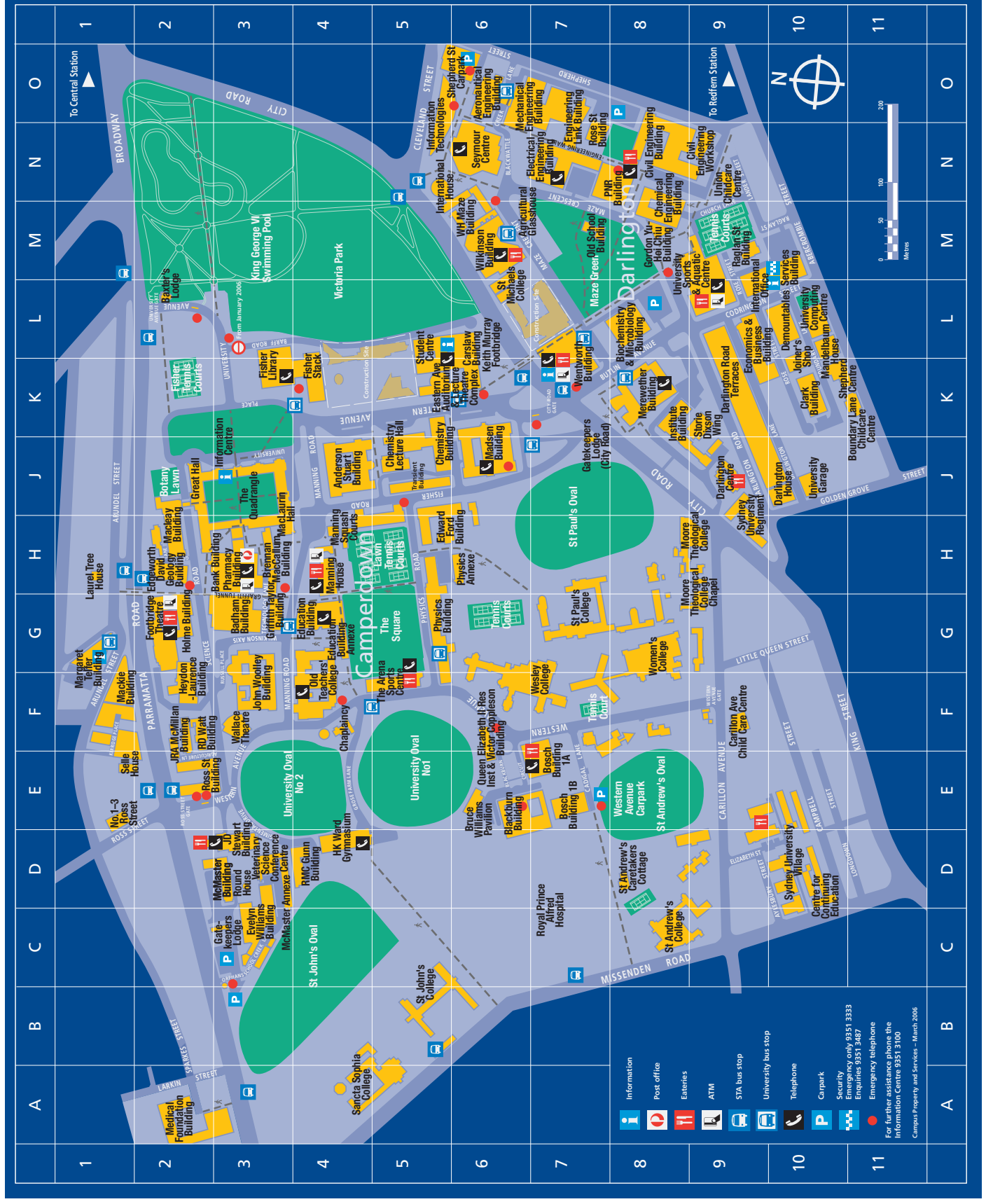
Disability access

Parking layout



The University of Sydney

Camperdown and Darlingtown campuses



University buildings	K8	Merewether Building	H3	Brennan	Computer access centres	K2	Fisher Tennis Courts	Sports and recreational venues	
	E1	No.1–3 Ross Street	G4	Education		D4	HK Ward Gymnasium		
	M7	Old School Building	K3	Fisher		H5	Lawn Tennis Courts		
	F4	Old Teachers' College	N7	Link		H4	Manning Squash Courts		
	H3	Pharmacy Building	L6	McGrath (Carslaw)		F5	The Arena Sports Centre		
	H6	Physics Annex	H3	Pharmacy		G5	The Square		
	G5	Physics Building	Cultural venues			E5	University Oval No1		
	N8	PNR Building	H2	Macleay Museum		E3	University Oval No2		
	E6	Queen Elizabeth II Research Institute	J3	Nicholson Museum		M9	University Sports & Aquatic Centre		
	F2	RD Watt Building	N6	Seymour Centre		Unions and associations (offices)			
D4	RMC Gunn Building	K7	Sir Hermann Black Gallery	K7	Students' Representative Council (SRC)	M9	Sydney University Postgraduate Representative Association (SUPRA)		
M9	Raglan Street Building	M6	Tin Sheds Gallery	M9	Sydney University Sport	G2	University of Sydney Union		
N7	Rose Street Building	J2	War Memorial Art Gallery	University administration and Services					
E2	Ross Street Building	F2	Agriculture, Food and Natural Resources	M10	Advancement Services	H3	Alumni Relations Office		
G2	Science Road Cottage	M6	Architecture	H3	Business Liaison Office	F1	Careers Centre		
E1	Selle House	H3	Arts	G1	Cashier	D10	Centre for Continuing Education		
M10	Services Building	K8	Economics & Business	H3	Chancellor	L10	Computing Centre		
N6	Seymour Centre	G4	Education and Social Work	H2	Executive Offices	J3	Information Centre		
K10	Shepherd Centre	N7	Engineering	L10	Information and Communications Technology	L9	International Office		
O6	Shepherd Street Carpark	H5	Medicine	L9	International Office	K8	Office of Development		
K9	Storie Dixon Wing	H3	Pharmacy	G1	Personnel	M10	Printing Services (UPS)		
F5	The Arena Sports Centre	L6	Science	H2	Publications Office	H3	Research Office		
J3	The Quadrangle	D3	Veterinary Science	H3	Research Office	M10	Room Bookings & Venue Management		
J5	Transient Building	Libraries			F1	Scholarships Unit	L5	Student Centre	
L10	University Computing Centre	M6	Architecture	H3	Australia Post Office	M10	Student Housing		
J10	University Garage	G3	Badham	J9	Darlington Centre	G4	Student Services Unit		
M9	University Sports & Aquatic Centre	H5	Burkitt-Ford	G2	Holme Building	K8	Summer School		
D3	Veterinary Science Conference Centre	K3	Curriculum Resources	H4	Manning House	H3	University Relations (Vice Principal)		
E6	Victor Coppleson Building	N8	Engineering	F5	The Arena Sports Centre	C3	Veterinary Hospital & Clinic		
F3	Wallace Theatre	K3	Fisher	M9	University Copy Centre	H2	Vice-Chancellor		
K7	Wentworth Building	J6	Madsen	K7	University Health Service				
E7	Western Avenue Carpark	L6	Mathematics	M9	University Sports & Aquatic Centre				
M6	WH Maze Building	E7	Medical	M9	University Co-op Bookshop				
M6	Wilkinson Building	N6	Music	C3	Valentine Charlton Cat Centre				
Academic colleges (offices)			H6	Physics	C3	Veterinary Hospital & Clinic			
H5	Health Sciences	H5	Schaeffer Fine Arts	K7	University Health Service				
F4	Humanities and Social Sciences	Retail			M9	University Sports & Aquatic Centre			
N8	Sciences and Technology	H3	Australia Post Office	M9	University Co-op Bookshop				
Childcare centres			J9	Darlington Centre	C3	Valentine Charlton Cat Centre			
K11	Boundary Lane	G2	Holme Building	C3	Veterinary Hospital & Clinic				
F9	Carillon Avenue	H4	Manning House	K7	Wentworth Building				
H1	Laurel Tree House			Security					
N9	Union			M10	Emergency Services				
Colleges and residential accommodation			M10	Lost Property					
J10	Darlington House			M10	Traffic & Parking				
K9	Darlington Road Terraces								
N5	International House								
L10	Mandelbaum House								
A4	Sancta Sophia College								
C8	St Andrew's College								
B5	St John's College								
L6	St Michael's College								
G7	St Paul's College								
E1	Selle House								
D10	Sydney University Village								
F7	Wesley College								
G8	Women's College								
L9	Economics and Business Building								
H2	Edgeworth David Geology Building								
G4	Education Building								
G4	Education Building Annex								
H5	Edward Ford Building								
N7	Electrical Engineering Building								
N7	Engineering Link Building								
C3	Evelyn Williams Building								
K3	Fisher Library								
K4	Fisher Library Stack								
G2	Footbridge Theatre								
C3	Gatekeeper's Lodge								
J7	Gatekeeper's Lodge (City Road)								
M8	Gordon Yu-Hoi Chui Building								
J2	Great Hall								
G3	Griffith Taylor Building								
D4	HK Ward Gymnasium								
F2	Heydon-Laurence Building								
G2	Holme Building								
N5	Information Technologies								
K8	Institute Building								
N5	International House								
F2	JRA McMillan Building								
D3	JD Stewart Building								
F3	John Woolley Building								
F1	Mackie Building								
H3	MacLaurin Hall								
H2	Macleay Building								
G1	Margaret Teifer Building								
J6	Madsen Building								
H4	Manning House								
H4	Manning Squash Courts								
D3	McMaster Annexe								
D3	McMaster Building								
O6	Mechanical Engineering Building								
A2	Medical Foundation Building								

Course planner

Year	Semester	Unit of study 1 & credit points		Unit of study 2 & credit points		Unit of study 3 & credit points		Unit of study 4 & credit points		Total credit points
1	1									
	2									
2	summer									
	1									
	winter									
	2									
3	summer									
	1									
	winter									
	2									
4	summer									
	1									
	winter									
	2									
5	summer									
	1									
	winter									
	2									
Total credit points										