The University of Sydney

Faculty of Health Sciences Undergraduate Handbook 2003

Faculty dates

Health Sciences semester and vacation dates 2003

Summer School	
Lectures begin	Monday 6 January
Lectures ends	Friday 21 February
Semester 1	
Lectures begin	Monday 3 March
Easter recess:	
Last day of lectures	Thursday 17 April
Lectures resume	Monday 28 April
Study vacation: 1 week beginning	Monday 9 June
Examinations commence	Monday 16 June
Lectures end	Saturday 28 June
Semester 2	
Lectures begin	Monday 11 August
Mid-semester recess:	
Last day of lectures	Friday 26 September
Lectures resume	Tuesday 7 October
Study vacation: 1 week beginning	Monday 17 November
Examinations commence	Monday 24 November
Lectures end	Saturday 6 December

Last dates for withdrawal or discontinuation 2003

Semester 1 units of study	
Last day to add a unit	Monday 31 March
Last day for withdrawal	Monday 31 March
Last day to discontinue without failure (DNF)	Thursday 17 April
Last day to discontinue (Discontinued - Fail)	Friday 6 June
Semester 2 units of study	
Last day to add a unit	Friday 29 August
Last day for withdrawal	Friday 29 August
Last day to discontinue without failure (DNF)	Friday 26 September
Last day to discontinue (Discontinued - Fail)	Friday 14 November
Full Year units of study	
Last day for withdrawal	Monday 31 March
Last day to discontinue with permission (DNF)	Friday 8 August
Last day to discontinue (Discontinued - Fail)	Friday 14 November

(Semester and vacation dates for faculties other than Health Sciences are listed in an Acrobat PDF document which can be downloaded from policy.rms.usyd.edu.au/000004e.pdf)

The University of Sydney

NSW 2006
Phone: (02) 9351 2222
Web: www.usyd.edu.au

Faculty of Health Sciences

Phone: (02) 9351 9161
Fax: (02) 9351 9412
Web: www.fhs.usyd.edu.au
Email: uginfo@fhs.usyd.edu.au (undergraduate courses)
pginfo@fhs.usyd.edu.au (postgraduate courses)
intl-info@fhs.usyd.edu.au (international students)

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Undergraduate Handbook 2003

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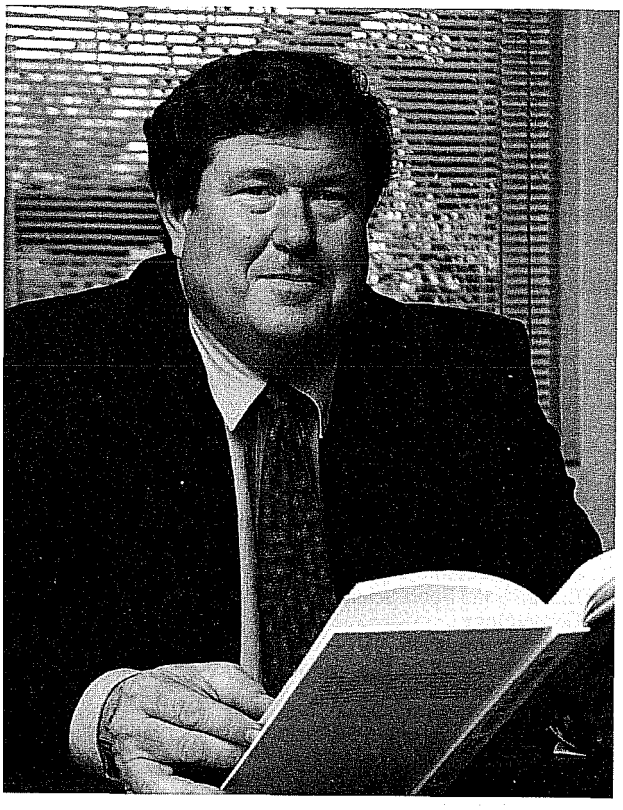
Message from the Dean



Welcome to the Faculty of Health Sciences! As a new undergraduate student, whether you are an international student, a mature age student or straight from high school, I hope that 2003 will be an important milestone towards your career in the health sciences.

You will have a number of competing priorities, all of which have their part to play in the development of your full potential as an individual and as a professional in this field. First and foremost, you have the opportunity through academic study to become a highly valued member of the health science profession. The academic staff of this Faculty are leaders in their field and their expertise in teaching and research is much sought after both nationally and internationally. This stimulating and dynamic learning environment will provide you as an undergraduate student with an excellent start to your career.

As well as this academic focus, I hope you will also take advantage of the opportunity to make friendships with the people you meet along the way. The various Schools, our Student Welfare Services and the Student Guild all arrange social, cultural and sporting activities and your time in the Faculty will be much richer if you are able to fit some of these things into your busy schedule.

The Faculty continually reviews, improves and expands the range of courses offered to cater for the needs and interests of students and the expanding health science professions. Staff in the Faculty of Health Sciences are committed to assisting your progress through your academic program. If you are facing a particular difficulty that is affecting your progress, we would encourage you to take advantage of the wealth of support available to both beginning and established students in the Faculty, including the advice of staff in your School, Student Welfare Services, Student Administration and the Student Guild. Additionally, for Aboriginal and Torres Strait Islander students, there is a range of dedicated support services provided by the staff of Yooroang Garang, our School of Indigenous Health Studies.

Best wishes in your academic, professional and personal journey through 2003.

Professor Hal Kendig, Dean

Introduction

This handbook is the official guide to the undergraduate courses offered in the Faculty of Health Sciences located at the Cumberland campus of The University of Sydney. The handbook was prepared in advance of the 2003 academic year to maximize its usefulness as a reference to students, staff, and to the many associates of the Faculty, particularly those who contribute to the clinical education of students.

The charter of the Faculty is to provide competent practitioners in the health professions. The aims are for excellence in clinical and academic teaching and in research.

The fields encompassed by the Faculty at the undergraduate and/or postgraduate level are:

- Aboriginal Health and Community Development
- Behavioural Health Science
- Behavioural Sciences
- Biomedical Sciences
- Cardiopulmonary Physiotherapy
- Casemix
- Child and Adolescent Health
- Clinical Data Management
- Communication Disorders
- Communication Sciences and Disorders
- Developmental Disability
- Diagnostic Radiography
- Exercise and Sport Science
- Gerontology
- Health Informatics
- Health Information Management
- Health Sciences
- Health Science Education
- Hearing and Speech
- Indigenous Community Health
- Leisure and Health
- Manipulative Physiotherapy
- Medical Radiation Sciences
- Medical Sonography
- Neurological Physiotherapy
- Nuclear Medicine
- Occupational Therapy
- Orthoptics
- Paediatric Physiotherapy
- Physiotherapy
- Radiation Therapy
- Rehabilitation
- Rehabilitation Counselling
- Speech-Language Pathology
- Speech Pathology
- Sports Physiotherapy
- Stuttering
- Vision Impairment
- Voice.

Use of this handbook

Course outlines

The Faculty of Health Sciences has recently undertaken a coordinated review of some units of study. As a result, there may be two course outline tables presented concurrently in a school chapter.

Commencing students should find the table with 'Year 1' as the first entry and use that table as a guide for their course.

Continuing students should consult the table stating 'last offered in 2003 or 2004' for the relevant stage of their course.

See your course coordinator or year adviser if you require clarification on course outlines.

Units of study

The units of study section set out at the end of each School chapter follows the course outline tables in alphabetical order by unit code (eg, BACH 1152). The section provides details of units such as description of content, credit points, semester offered, assessment (see explanation below) for the units offered in each relevant course for the current academic year.

Clinical Education

Most courses include Clinical Education/Professional Practice as a requirement for completion of a course. Information regarding Clinical Education can be found in chapter 19.

Explanation of unit of study listings

Unit code: listed first on the line, used to Identify unit.
Unit name: printed after unit code, in bold in units of study listings.
Old code: as part of the transition to the University's new student information system, this handbook contains 'old' codes, still used by the Faculty. The Old Code should be included in all enquiries, or in reference to any variations to student enrolments.

Credit points: a measure of value indicating the contribution each unit of study provides towards meeting course completion requirements stated as a total credit point value.
Staff: coordinator or lecturer names may be listed after the credit points.
Session: shows the semester in which the unit of study is taught.
Classes: how the unit is taught and the attendance requirements.
Assumed knowledge: for some units of study, a student is assumed to have passed a relevant subject at HSC level. 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.

BACH 9999 Health, Social Inquiry and Illness

Old code 251B6.6 credit points. Dr Smith. **Session:** 1. **Classes:** On campus, 30 hours. **Assumed knowledge:** HSC Biology. **Qualifyier:** BACH 9912 Health and Social Inquiry 1. **Prerequisite:** BACH 9910 Health and Illness. **Corequisite:** BACH 9998 Illness, Social Inquiry and Health. **Assessment:** Written assignments and examination.

NB: Not offered in part-time mode.

This unit provides students with the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness, and with opportunities to apply their sociological knowledge in practice. It will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness.

Practical: 2 days fieldwork

Textbooks

Unit reference manual will be issued at commencement of semester.

Qualifyier: a mandatory (compulsory) prerequisite unit of study which must have a grade of Pass or better.
Prerequisite: a unit of study that Is required to be completed before this unit of study can be attempted.
Corequisite: a unit of study which must be taken in the same semester or year as this unit of study (or which has already been completed).
Assessment: the process of measuring the performance of students in the unit of study.
NB: any important notes concerning the unit of study (text in italics).
Description: shows the aims, outcomes and content of the unit of study.

Practical: lists any practical component such as fieldwork.
Textbooks: any textbooks, references or recommended reading are listed at the end of the unit of study.

Note: See the 'Glossary' section for official definition of terminology currently in use at the University.

1 Staff

Student-related enquiries (eg, course information) should be directed to:
Student Administration (Cumberland)
Phone: (02) 9351 9161
Fax: (02) 9351 9412
Email: uginfo@fhs.usyd.edu.au (undergraduate courses), pginfo@fhs.usyd.edu.au (postgraduate courses), intl-info@fhs.usyd.edu.au (international students)
Note
Unless otherwise specified, the qualifications listed are from The University of Sydney.

■ Schools and centres

School of Applied Vision Sciences
Phone: (02) 9351 9250
Fax: (02) 9351 9359
Email: avsinfo@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/avs/
Head of School: Mrs Neryla Jolly

School of Behavioural and Community Health Sciences
Phone: (02) 9351 9228
Fax: (02) 9351 9540
Email: p.harrington@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/bach
Head of School: Associate Professor Ross G Menzies

School of Biomedical Sciences
Phone: (02) 9351 9455
Fax: (02) 9351 9520
Email: bioenquiries@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/bio
Head of School: Dr A Bulent Turman

School of Communication Sciences and Disorders
Phone: (02) 9351 9450
Fax: (02) 9351 9173
Email: csd.hos.secretary@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/csd
Head of School: Dr Kerrie Lee

School of Exercise and Sport Science
Phone: (02) 9351 9612
Fax: (02) 9351 9204
Email: l.burke@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/ESS
Head of School: Dr Margaret Torode

School of Health Information Management
Phone: (02) 9351 9494
Fax: (02) 9351 9672
Email: himinfo@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/him
Head of School: Ms Joanne Callen

School of Medical Radiation Sciences
Phone: (02) 9351 9640
Fax: (02) 9351 9146
Email: mrsinfo@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/mrs
Head of School: Ms Jennifer Cox

School of Occupation and Leisure Sciences
Phone: (02) 9351 9386
Fax: (02) 9351 9197
Email: otinfo@fhs.usyd.edu.au
Web: www.ot.fhs.usyd.edu.au
Head of School: Ms Jane Gamble

School of Physiotherapy
Phone: (02) 9351 9630
Fax: (02) 9351 9601
Email: ptinfo@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/Academic/PT
Head of School: Associate Professor Jack Crosbie

Yooroang Garang: School of Indigenous Health Studies
Phone: (02) 9351 9393
Fax: (02) 9351 9400
Email: yginfo@fhs.usyd.edu.au
Web: www.yg.fhs.usyd.edu.au
Head of School: Dr Kathleen Clapham

Australian Stuttering Research Centre
Phone: (02) 9351 9061
Fax: (02) 9351 9392
Email: m.onslow@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/ASRC
Director: Professor Mark Onslow

National Centre for Classification in Health
Phone: (02) 9351 9461
Fax: (02) 9351 9603
Email: ncchadmin@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/ncch
Director: Associate Professor Rosemary Roberts AM

Rehabilitation Research Centre
Phone: (02) 9351 9466
Fax: (02) 9351 9977
Email: g.davis@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/rrc
Director: Associate Professor Glen Davis

Education Connections
Phone: (02) 9351 9343
Fax: (02) 9351 9663
Email: cpe@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/faculty/edcon.htm
Director: Dr Mary Jane Mahony

■ Faculty of Health Sciences

Faculty office
Dean
Professor Hal Kendig, *AB Calif*MPL PhD *SCalif,* FASSA
Pro-Dean
Alastair Davison, BSc PhD *Melb*
Associate Deans
Lynne Adamson, BAppSc(OT) *Lincoln* MAppSc(OT)
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Associate Professor Christopher Maher, BAppSc GradDipAppSc(ManipPhty) GradDipAppSc(ExSS) *Cumb* PhD
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Ann Poulos, BA DipEd *Macq* DipRad *UK* PhD
Executive Assistant to the Dean
Margaret Kennedy
Research Assistant to the Dean
vacant
Faculty Manager
Natalie Downey, BA *Sus*
Deputy Head of Finance
Sam Aquilina, BBus *NSWLT,* CPA

Assistant Accountants
Vesna Bujas
Juliusz Ratajczyk, BBus(Accounting) *UTS*
Academic Coordinator - SIM Programs
Kate M O'Loughlin, BA *Macq* PhD
Administrative Assistant - SIM Programs
Niki Nouwens
Senior Academic Services Officer
Terry Thurtell, BBus *KCAE* GradDipCommerce *W'gong*
Academic Services Officers
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vacant
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Chelvi Singaram
Director - Education Connections
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Executive Officer
vacant
Administrative Assistant
Margaret Maroki-Badal

School of Applied Vision Sciences

Head of School
Neryla Jolly, MA *Macq* DOBA(T) *UK*
Associate Professor
Elaine D Cornell, MA *Macq* DipAppSc *Cumb* DOBA
Senior Lecturer
Robert C Heard, BA PhD
Lecturers
Katherine A Rose, DipAppSc(Orth) *Cumb* GradDipNeurosci PhD *ANU* DOBA
Susan L Silveira, DipAppSc(Orth) MHlthScEd *Cumb* DOBA
Helen M Wozniak, MHlthScEd DipAppSc(Orth) *Cumb* DOBA
Associate Lecturer
Kathryn M Thompson, DipAppSc(Orth) *Cumb* GradCertfflthScEd MAppSc(Orth) *Cumb* DOBA

School of Behavioural and Community Health Sciences

Head of School
Associate Professor Ross G Menzies, BSc(Psych) MPsychol(Clin)Hons PhD *UNSW*
Associate Head of School
Robert C Heard, BA PhD
Associate Professors
Dianna T Kenny, MA PhD *Macq* DipEd *SydTeachColl* BA
Cherry L Russell, BA PhD
Senior Lecturers
Barbara J Adamson, BA DipEd *NE* PhD
Kaye E Brock, BSc *ANU* PhD GradDipNutDiet
Rosemary V Cant, MEd *WAust* PhD *N'cle(NSW)*
Darien L Chinnery, BA *Adel* PhD *UNSW*
Steven Cumming, BA MA(Psych) *Tas* PhD *UNSW*
Lynne M Harris, BSc PhD *UNSW*
Syeda Zakia Hossain, BA MA *Dhaka* MA *ANU* PhD *Qld*
Ian Hughes, BSocSt MDevStud *Deakin* PhD
Mairwen Jones, BA PhD, RN RPN
Chris J Lennings, BA MPsychol PhD *Macq*
Roderick W J-Rothwell, MA(Psych) MA(Phil) PhD
Toni Schofield, BA DipEd *Melb* PhD
Gomathi Sitharthan, MA MPhil *Madr* PhD
Lecturers
Ian Andrews, BA *Curtin*
Sandra Bentley, BA *Flin* MA *Macq* GradDipRC *Cumb,* MASRC
Peter P Choo, BA *Pacific Union* BEd PhD *WAust*
Ruth Crocker, MA *WSyd* AssocDipRC GradDipHlthSc(CommHlth) *Cumb*
Fran Everingham, BA MHPEd *UNSW* GradDipEd(Hlth Stud) *SCAE* DipEd *UNSW*
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Trevor K Hawkins, MS *S'Ill* GradDipRC *Cumb* BA
Michael Hough, *BScWAust* PhD *ANU* DipSocSc.*NE*
Alan Jones, BA *Macq* DipSpEd *Kuring-gai CAE*
Lynda Matthews, BHlthSc(RC) PhD
Dennis Mclntyre, BA *N'cle(NSW)* DipTeach *N'cle CAE*
Liselott E Muhlen-Schulte, BA MA DipPsychol PhD
Victoria Neville, BSc MA MVSWGradDipPhty *Cumb*
Carol O'Donnell, BA *Qld* MEd PhD *Macq* DipEd *Qld*
Kate M O'Loughlin, BA *Macq* PhD
Karen Pepper, MA *W'gong* BA
Associate Lecturers
Rosemary A Pynor, BSc *LaT*
Justine Stynes, BSc MSc *Qld*
Administrative staff
Philippa Harrington
Lily Lee
Wendy Manuel
Jacqueline Nimmo
Andy Nguyen
Stephanie Soo, BBus *UTS*

School of Biomedical Sciences

Head of School
A Bulent Turman, MD *Aegean* PhD *UNSW*
Principal Lecturer
Ronald J Balnave, BSc PhD *UNSW*
Senior Lecturers
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Margaret A C Bermingham, MSc *NUI* PhD *Lond*
Roslyn C Bohringer, BSc PhD MEdAdmin *UNSW*
John A Burne, BSc PhD DipEd *NE*
Alan W Freeman, MSc PhD *Melb*
Karen A Ginn, BSc MHPEd PhD LWSWDipPhty GradDipManipTher *Cumb* DipTertEd *NE*
Fazlul Huq, MSc *Dhaka* PhD *Lond* DIC DipEd *MCAE,* FRSC
Gary M Lee, BSc PhD *UNSW MBA UCQ*
Jennifer M Lingard, *BScQld* MBA PhD *UTS*
Ponnambalam Sivanandasingham, MB BS *Ceyl* PhD *Lond*
Hoang Tran-Dinh, MD *Saigon* DipAnat *ASANZ,* AMC *Canb*
Patricia D C Woodman, MSc PhD
Lecturers
Ian Cathers, MBiomedE PhD *UNSW DipEd STC BS*
Elizabeth Hegedus, BSc *Tas* PhD *UNSW*
Peter K Knight, BVSc PhD MBA *CSU* AIMM
Ann M C Murphy, BSc *Qld* MSc *Auck* PhD *Qld*
Helen E Ritchie, BSc *Qld* MSc PhD
Dana Strain, BS *Purdue* MSc DipTertEd *NE*
Meg Stuart, BAppSc *Cumb* MSc *UNSW*
Gilbert J Vella, BSc PhD *UNSW* DipEd *STC*
Svedana Warton, MSc *Moscow State* PhD *USSRAcadSciMoscow*
Patricia Weerakoon, MB BS *Ceyl* MS *Hawaii* MHPEd *UNSW*
Catherine Willis, MSc *UNSW* DipPhty *Cumb* DipTertEd *NE*
Associate Lecturers
Jan Douglas-Morris, BSc MHPEd PhD *UNSW* GradDipPhty *Cumb*
Deepika Mahajan, MSc *Gndu* MPhil PhD *PU*
Laboratory Manager
Louise Hayes, BSc *Macq* MAppSc *UTS*
Technical Staff
Gautham Jayachandran, BSc *UNSW*
David Lockwood, BSc *Macq*
Tuyet Nguyen, BSc *Saigon*
Janelle Parbery
Margret Robinson, AssDip(Med Lab Tech)
Office Manager
Ruth Rinot
Administrative Staff
Ann Korabelnikoff
Nadia Soliman

School of Communication Sciences and Disorders

Head of School
Kerrie Lee, BA N' cle(NSW) MA PhD *Macq*
Professor
Vicki Anne Reed, BS *Northwestern* MA *Denver* EdD *NColorado,* FASHA. Appointed 1994

Honorary Professor
Chris Code, MA *Essex* PhD *Wales* DipCST, AFBPsS C Psychol
Senior Lecturers
Susan Balandin, MA PhD *Macq* DipSpTherapy *WestEndHospSpTherapySch UK*
Michelle Lincoln, BAppSc *Cumb* PhD
William Thorpe, BEng PhD *Cant*
Lecturers
Elise Baker, BAppSc PhD
Linda S Hand, BA *Cant* MA *Iowa* DipT(SpTher) DipEdAncfc
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Alison A Purcell, MAppSc *Cumb*
Christine Sheard, MAppSc *Cumb*
Postdoctoral Fellow
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Clinical Educators
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Catherine Devaney, BA *Dub*
Geraldine Katz, BA(Sp&HTherapy) *Witwatersrand*
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Jacqueline Roberts, BA *Cant* BAppSc *Cumb* BA PhD *Macq* GradDip *CCTeachColl*
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Alison Anderson, BAppSc *Cumb*
Maria Berducci, BAppSc *QLD*
Linda Clarke, BAppSc
Belinda Crofts, BAppSc *Cumb*
Ann Deane, BAppSc
Kerry Ann Gilsenan, BAppSc *Cumb* BA DipEd *SydTeachColl*
Bronwyn Hemsley, BAppSc *Cumb*
Monika Kaatzke-McDonald, BAppSc *Cumb* MAppSc
Jennifer Lawrie, BA *Macq* BAppSc *Cumb*
Valerie Lim, BSpPath MAppSc *La Trobe*
Caylie Maltby, BSpTherapy *Qld*
Eva Nemeth, BAppSc *Cumb DipMusicNSWConsMusic*
Emma Power, BAppSc
Sue Radovich, BAppSc *Cumb*
Magdalen Rozsa, BAppSc *Cumb*
Alison Sweep, BAppSc *Cumb*
Christine Taylor, BAppSc *Cumb*
Johan Thomson, BAppSc *SAustCAE*
Jean Tsembis, BA *Macq*
Mary Yong Ai Hua, BAppSc *Cumb*
Administrative Manager
Fiona Garniss
Administrative Assistants
Sunil Chand
Cathy Davidson
Tennille Meyn

School of Exercise and Sport Science

Head of School
Margaret Torode, BAppSc *PhilipLT MSc* PhD *Oregon* GradDip *Deakin,* FASMF
Associate Professors
Richard M Smith, BSc *UNSWMSc Macq* MEd *Mane* MA *Macq* PhD *W'gong* DipEd
Martin W Thompson, MSc *Lough* PhD *Lond* DipPE TSTC *Melb* AdvDipPE *Leeds*
John Sutton Chair of Exercise and Sport Science
Maria Fiatarone Singh, MD *Calif*
Senior Lecturers
John R Brotherhood, MBBS *Lond*
Chin M Chow, MSc *Otago* PhD
Lecturers
Thomas H Gwinn, BAppSc *Cumb* BSc
Michael S Lee, BE *UNSW* BAppSc *Cumb* MBiomedE *UNSW*
Nicholas P Linthorne BSc *Qld* PhD *WAust*
Helen T O'Connor, BSc *UNSWDipND* PhD
Rhonda Orr, BPharm MEx&SpSc
Jacqueline Raymond, BAppSc *W'gong* PhD
Peter J Sinclair, BPE MEd *WAust* PhD
Honorary Research Fellows
Grace J Bryant, GradDipEx&SpSc *Cumb,* MBBS
Grahame M Budd,MB BS MD,FRACP
Barry V Holcombe, PhD *UNSW*
Adele R Weston, BPhEd *Otago,* MSc *Lond* PhD *CapeT*
Technical staff
Diane M Eager, BiolTech(HCert) *STC*
Raymond L Pattern, BiolTech(HCert) *STC*
Patricia A Ruell, BSc
Timothy J Turner, BAppSc *NSWIT* MAppSc *UTS*
Administrative staff
Lyndall M Burke

School of Health Information Management

Head of School
Joanne Callen, BA *UNSW* MPH(Research) DipEd
Professor
Beth Reid, BA *Macq* MHA PhD *UNSW*. Appointed 1996
Honorary Professor
Phyllis Watson AM, MSc NY
Honorary Associate Professor
Johanna Westbrook, BAppSc(MRA) Cumb MHA GradDipAppEpid UNSW PhD
Lecturers
Janelle Craig, BAppSc(MRA) *Cumb* MCom *UNSW*
Aditi Dey, MBBS *Delhi* DTM&H MPH *Mahidol* GradDipAppSc(HTM) *Cumb* MPH
Vera Dimitropoulos, BAppSc(MRA) *Cumb*
Joe Huang, MBBS *Sun Yat-Sen* Dip of Computing *BusinessCollNSW* GradDipHTM PhD
Angelika Lange, Dipl Psych MAQnfSc) *FUBerl*
Deniza Mazevska, BAppSc(HTM) *Cumb* BA *Macq*
Basema Saddik, BAppSc(HIM) MPH *UNSW*
Research staff
Jean Mcintosh
Administrative staff
Jane Alanthwaite
Raksha Chand, BAppSc(Chem) *SAust*
Sheree Crick
Anne Marks, AssDipMRA *Cumb*

School of Medical Radiation Sciences

Head of School
Jennifer Cox, BA *ARMIT,* MIR
Senior Lecturers
Jill Clarke, DipAppSc GradDipAppSc *RMITDMU ASUM* BAppSc MHlthScEd
Simon Cowell, BEd *SCAE* MEd *UTS* AssDipAdultEd *SCAE* CertNMTSrCPhD
Alastair Davison, BSc PhD *Melb*
Donald McLean, BSc *UNSW* MAppSc *QIT* PhD *QUT* DipEd *Canb*
Ann Poulos, BA DipEd *Macq* DipRad *UK* PhD
Lecturers
Edwina Adams, CertNucMed *STC* BAppSc
John Atyeo, BA *UTS* AssDipRadTech *SAITBSc Macq* MHlthScEd
Rachael Beldham-Collins, BAppSc *N'cle(NSW)* MHlthScEd
Edward Caruana, BAppSc *Cumb* AssDipMedRad *STC* GradDip Mgt *UTS* BAppSc MEd, RN FCN FIR
Barrie Egerton, BSc *Wales* MSc *Salf*
Nikki Field, BAppSc MHlthScEd
Jane Fonda, CertRad *RMLT* DMU *ASUM* BAppSc
Peter Kench, BAppSc GradCertHlthScEd
Elisabeth Kilburn-Watt, BSc BA *York* MA *Macq*
Sarah Lewis, BAppSc
Danielle Milinkovic, BAppSc MHlthScEd
Dermis Nelson, DCR *Lond* DMU(General) DMU(Vascular) *ASUM*
Warren Reed, BSc(AppRad) *SBank* PGCertTLHE *Kingston*

John Robinson, CertRad *STC* BAppSc
Associate Lecturer
Jocelyn Barnes, BAppSc GradCertHlthScEd

School of Occupation and Leisure Sciences

Head of School
Jane E Gamble, BAppSc(OccTher) *Lincoln* MHPEd *UNSW*
Professors
Sesquicentenary Chair of Occupation and Leisure Sciences
Gwynnyth M Llewellyn, BA Med DipContEd *NE* DipOT PhD. Appointed 2002
Chair of Occupation and Leisure Sciences
Anita Bundy, BSc(OT) *WMich* MSc ScD(Therapeutic Studies) *Boston,* OTR FAOTA. Appointed 2002
Senior Lecturers
Lynne Adamson, BAppSc(OT) *Lincoln* MAppSc(OT)
Christine J Chapparo, MA PhD *Macq* DipOT, OTR FAOTA
Maureen H Fitzgerald, BIS *GMU* PhD *Hawaii,* RN
Susan D Griffin, BAppSc(OT) *Cumb* MA(Hons) *UNSWFhD W'gong* GradDip(AppBehSc) *Cumb*
Eveline J Innes, BAppSc(OT) *WAIT* MHPEd *UNSWFhD Curtin*
Lecturers
Laurence V Bathurst, MA(LS) GradDipLeisureMgt *UTS* AssocDipDT *Cumb*
Ruth O Beltran, BSOT MA *UP,* OTRP
Catherine E Bridge, BAppSc *Cumb* MCogSc *UNSW*
Philip W Chan, MAppSc *Curtin* DipOT TDipCOT *Brit* RN
Lindy Clemson, BAppSc *WALT* DipOT *UNSW MAppSc*
Harold E Davey, BA BEd *Melb* MA(Educ) *Lond*
Marjolien Dibden, DipOT, Eng, MHlthScEd
Michelle Donelly, BAppSc *Cumb* MA PhD *Macq*
Mironne Golan, GDip(FCT) UNSW BappSc(OT)
Anne M Hillman, BAppSc(OT) WAIT MAppSc(OT)
Norm Kelk, BA BSW *Qld* PhD *UNSW*
Brett O'Neill, BAppSc *Cumb* MA *Macq* DipRM
Judy L Ranka, BSc(OT) *WMich* MA *Macq,* OTR
Kirsty Stewart, BAppSc(OT) *Cumb* MAppSc(OT)
Kirsty Thompson, BAppSc (OT)
Robyn L Twible, MA *Macq* DipOT
Associate Lecturers
Nicola Hancock, BAppSc(OT) *Cumb*
Jo Ragen, BA(LS) MM *UTS*
Peter Williamson, BAppSc(OT) *Cumb*
Honorary Associates
Danielle Lord, BAppSc(OT)
Colleen Mullavey-O'Byrne, MA *Macq* DipOT, ATCL
Driver Rehabilitation
Trinity Glendenning, BAppSc(OT) *Cumb*
Lynnette G Kay, BOccThty *Qld*
Anthea Rogers, BOccTh BA *Qld*
Secretary
Elizabeth C Conyard
ARC Post-Doctoral Fellow & Research Manager
David McConnell, BAppSc(OT) PhD
Post Graduate Fellowships
Kylie Bootes, BAppSc(OT) *Cumb*
Imelda Burgman, MA(MovSc) *Col* GradDipSc(AnatSc) *Qld* BAppSc(OT)
Katherine Gray, BSW *UNSW*
Special Projects Officer
Cheryl Bates, DipTeach(Nursing) *SCAE,* RN CM
Resource Officer
Marilyn Duncan
Secretary to the Head of School
Catherine O'Keeffe
Stores Manager
Maree Schell
Fieldwork Administration Officer
Ruinga Matiu
Undergraduate Officers
Paula Rae
Sharon Woods
Flexible Learning Administration Officer
Catherine Maramara, BAppSc(L&H) *Cumb* EN

School of Physiotherapy

Head of School
Associate Professor Jack Crosbie, MSc PhD *Strath* GradDipPhys *Glas DipTP Edin*
Professor
Joy Higgs, BSc MHPEd PhD UNSW GradDipPhty *Cumb.* Appointed 1994
Associate Professors
Christopher Maher, BAppSc GradDipAppSc(ManipPhty) GradDipAppSc(ExSS) *Cumb* PhD
Nicholas O'Dwyer, *MADublin* PhD *UNSW*
Kathryn M Refshauge, MBiomedE PhD *UNSW* DipPhty GradDipManipTher *Cumb*
Honorary Professor
Roberta B Shepherd, MA EdD *Col* DipPhty, FACP
Honorary Associate Professor
Janet H Carr, MA EdD *Col* DipPhty, FACP
Senior Lecturers
Louise Ada, BSc PhD *UNSW MA Col* GradDipPhty *Cumb*
Roger Adams, *BA Adel* PhD *UNSW*
Jennifer Alison, DipPhty MSc *Lond* PhD
Cathy Dean, BAppSc(Phty) *Cumb* MA *Col* PhD
Elizabeth R Eilis, BSc *UNSW MSc Boston* GradDipPhty *Cumb* MHL PhD
Robert D Herbert, BAppSc(Phty) *Cumb* MAppSc PhD *UNSW*
Sharon L Kilbreath, BScPT *Qu* MCISc *WOnt* PhD *UNSW*
Jane Latimer, BAppSc(Phty) *Cumb* GradDipAppSc(ManipPhty) PhD
Lecturers
Robert A Boland, BAppSc PhD GradDipAppSc(ManipTher) *Cumb*
Jane Butler, MEd *UNSW* DipPhty *Auck* GradDipAppSc(PaedPhty) *Cumb*
Colleen G Canning, BPhty *Qld* MA *Col* PhD
Genevieve Dwyer, BAppSc(Phty) *Cumb* GradCert(AdultEd) *NE* GradDipAppSc(PaedPhty-Hydro) *Curtin* MAppSc(Phty)
Virginia Fowler, BAppSc *Lincoln* MAppSc(Phty)
Carolyn Gates, MAppSc(Phty) *Cumb*
Gordon Waddington, BSc BAppSc(Physio) MEx&SpSc MAppSc(SportsPhysio) PhD
Cheryl Hobbs, MAppSc GradDipMgtHlthSci *SAust* DipP&OT *Tor*
Adrienne E Hunt, MBiomedE *UNSW* GradDipPhys *Lond* GradDipPaedPhty *Cumb* PhD
Dale Larsen, BAppSc GradDipManipTher *Cumb* MAppSc(ManipPhty)
Martin Mackey, BAppSc(Phty) *Cumb* MSafSc *UNSW BEc*
Lyndal Maxwell, BAppSc(Phty) *Lincoln* GradDipAppSc(Cardiothoracic) *LaT* MAppSc(Phty)
Bredge McCarren, BSc *UNSW* GradDipPhty *Cumb* GradDipAppSc(Cardiothoracic) *LaT* MAppSc(Phty)
Joanne Munn, MAppSc GradCert(Ed)
Leslie Nicholson, BAppSc(Phty) GradDipAppSc(SportsSc) GradDipAppSc (ManipPhty) *Cumb* PhD
Eva Schonstein, BAppSc(Phty) *Cumb* MHPEd *UNSW*
Debra Shirley, BSc *UNSW* GradDipPhty GradDipManipTher *Cumb* PhD
Angela Stark, BAppSc(Phty) MAppSc(NeuroPhty)
Karyn Whelan, BAppSc(Phty) *Cumb* MAppSc
Vicki K Williams, BAppSc(Phty) *Cumb* MEd *UNSW*
Associate Lecturers
Mark Hancock, BAppSc(Phty)
Andrew Leaver, BAppSc(Phty) Cumb GradDipAppSc(ManipPhty)
Jan Naughton, BA AM/BAppSc(Phty) *Cumb* GradDip(SptMed) *Lond*
Trudy Rebbeck, BAppS (Physio) MAppSc(ManipPhysio)
Mark Stewart, BAppSc(Phty) MPH(Hons) Grad Cert(Ed)
Academic Program Administrator
Chamreun Cheen, BSc BCA *Well*

Yooroang Garang: School of Indigenous Health Studies

Head of School
Kathleen Clapham, BA PhD
Senior Lecturer
Freidoon A Khavarpour, BA *Pahlavi* MA PhD *Mich*

Lecturers
Sally Farrington, BSc MHPEd *UNSW* GradDipPhty *Cumb*
Bruno A Gelonesi, MA *Macq* GradDipEdSt *Nepean,* CAE
Wendy Jopson, BHlthSc(AHCD), RN
Shane Merritt, BA *NE* MA(Psych)
Susan Page, BA *UNSW,* RN CM
Miranda Rose, BN NE MPHC *Flin,* RN
Vhoyt Losberg, BA *JamesCook* MBehHlthSc
Anton Clifford, BEd *QldUT MMedSc N'cle(NSW)*
Elizabeth A Devonshire, MHlthScEd RN ICU Cert
Associate Lecturer
Marie Taylor, BSc *NZ*
Technical staff
Andrea Andreou
Office Manager
Christine Yorkston
Administrative Officers
Leona Charles
Iesinga Tuitavake

■ Centres

Australian Stuttering Research Centre

Director
Professor Mark Onslow, MAppSc *Cumb* PhD. Appointed 2003

National Centre for Classification in Health

Director
Associate Professor Rosemary Roberts AM, MBA *Monash* BA MPH
Associate Director (Sydney) and Manager, Classification Support and Classification Development Division
Kerry Innes, AssocDip(MRA) *Cumb*
Business Director
Gerard Viswasam, BSc *Lond* MSc(Econ) *Benin* MPP
Research Officer
Donna Truran, BA(Psych)
Corporate Relations Officer
Ann Jones, BAppSc(Information) *UTS,* AALIA

Information Technology

Systems Manager
Colin Spowart, BBus(Computing) *UCQ*
Systems Administrator
Nicole Schmidt, AssocDegAppSc(Resource Technology) *SCU*

Classification Support and Development Division

Nosologist
Michelle Bramley, BAppSc(HIM)
Project Manager, Ambulatory Classification Development
Alex Canduci, BAppSc(MRA)
Classification Support Coordinator
Sheree Gray, BSc(HIM) *Curtin*
Project Officers
Linda Best, AssocDip(MRA) *Cumb*
Kerri Chalmers, BBus(HlthAdmin) *QUT*
Tiffany Chan, MOpsMgt *UWS* BAppSc(HTM)
Karyn Chen, BAppSc(HTM)
Megan Cumerlato, BAppSc(HTM)
Terry Dymmott, BHQthSc *Flinders*
Christine Erratt, BBus(Account) £/T,SAssocDip(MRA) *Cumb*
Judith Hooper, BAppSc(MRA)
Lisa Richmond, BAppSc(HTM)
Julie Rust, BAppSc(HIM)
Patricia Saad, BAppSc(HIM)

Quality and Education Division

Acting Quality and Education Manager
Shannon Watts, BAppSc(MRA) *La Trobe*
Quality and Education Coordinator
vacant
Project Officer
Virginia Kalma, BAppSc(MRA) La Trobe
Quality Assurance Officer (MUNCCI)
Susan Wood, BAppSc(HIM) *La Trobe*

Publications Division

Publications Manager
Rodney Bernard, GradDip(Design Studies) *UTS*
Publications Officers
Elizabeth Azel, DipComm *Natal*
Jacqui Hunt
Sales and Distribution Coordinator
Catherine Stanhope

Administration

Office Manager
Tina Stanhope
Administrative Assistants
DanaMerrin
ImeldaNoti

Rehabilitation Research Centre

Director
Associate Professor Glen M Davis, BPE *Ott* MA *W Ont* PhD *Tor,* FACSM

■ Administration

Campus management

Campus Manager
Elizabeth Evans, BA *Lethbridge* MBus *UTS* MEdAdmin *UNE*
Secretary to the Campus Manager
Maureen Marchant

Building and Grounds Division

Manager
Phillip Sorbello
Project Manager
John Sommers
Senior Works Supervisor
Andy Galloway
Grounds Manager
FaridPayenda

Financial Services Division

Finance Officer
Margaret Frost
Student Fees Officer
Darryl Anderson

Information Technology Services Division

Manager
Than Naing Chan, BEng(Elect) MSc(CompEngMgt) Assumption
Network Manager
Janusz Tydda, MA *Warsaw*
Project Manager
Graeme Martin
User Support Officers
Michael Chang, BSc(Civil Eng) *Taiwan* DipCompTech *STC*
Bala Muraleetharan, BSc(Comp) *WSyd*
Operations Supervisor
Glenn Russell

Property Services Division

Manager
Sharon Vaughan
Assets Management/Room Bookings
Rhonda Facer
Security Coordinator
Penny Ryder
Records Management Officer
DonnaPearman
Campus Services Coordinator
Linda Thompson

Purchasing and Production Services Division

Head
Ian McAulay

Purchasing Officer
Greg Gaal
Printery Manager
Dianne Gillespie

Student Administration Services Division

Head
Bharati Jayachandran
Undergraduate Officer
Linda Dewar, BA *NE*
Postgraduate Officer
Nancy Leong
Examinations Officer
Emily Brennan BEd *Melb*
International Admissions Coordinator
Penny Andreou

Student Welfare Services Division

Head
Andrea Chan, MA *NZ* MA *ANU* PhD RS ACertTEFLA GradDip MLTLTCL
Academic and Communication Skills Tutors
Rosalie Thomson, BA *NE* LicDip S&D GradDipSC *WSyd* MA GradCertTESOL
Marie Clugston, BA MLitt MA DipContEd *NE* PhD RS A CertTEFL
Tutor/International Student Advisor
May Thet Tun, MA *Mandalay* MA(TEMJ GradDip *Macq*
Student Counsellors
Angela Griffith, BA *Melb* TSTC *Vic* MPhil *HK,* MAPS
Kathryn Richardson, BA *UNSW,* MAPS
Disability Services Officer
Fiona Darcy, BSocSci *N'cle(NSW)* MA *UTS*

Health Sciences Library

Health Sciences Librarian
Stephen T K Chan, BSocSc *HK* MBA *UTS* DipLib *UNSW,* AALIA
Senior Librarian
Dawn Payoe, BSc(Econ) *Lond* GradDipLibSc *KCAE,* ACIS AALIA
Librarians
Judith Carey, BSc(InfoStudies) *UTS*
John Paul Cenzato, BA *UNSW* GradDipLibSc *KCAE*
Garry Hamilton, BA DipMLib *UNSW,* AALIA
Kushum L Karan, BA (LIS) *CCAE,* AALIA
Dorothy Kass, BA DipLib *UNSW* DipEd, AALIA
Elaine Y L Tarn, BEd *Nott* MLib UNSWTeachCert *TeachCoUHK*

Personnel

Personnel Manager
Melody Newman
Senior Personnel Officer
Ramen Chetty
Personnel Officers
Marilyn Croft
Alan Frost
Jan McGregor

■ Cumberland Student Guild

General Manager
Andrew Ashwin, BBus GradCert(Sport Mgt) *UTS*
Business Manager
Jack Zweig, DipTech&Comm *UTS,* CPA
Commercial Operations Manager
vacant
Food & Beverage Supervisor
Marilou Bendian, BSc(Accounting) *PhilippinesSchBusAdmin*
Executive Chef
Steven Ung
Retail Officer
Garrett Fountain
Sports Officer
Mark Zundans, BSportsSc(ExSc) *UNSW*
Business Services Officer
Rebecca Fisher
Administrative Assistant
Kerry Lewis
Marketing and Events Coordinator
Irene Toynbee, BA *UTS* MA(SportMgt) *Ohio State*

2 Guide to the Faculty

■ History

In 1970, a report of the then New South Wales Advanced Education Board recommended that a corporate College of Advanced Education be established specifically to:

- foster the development of paramedical education in New South Wales having regard to the needs of the community;
- provide courses and to grant awards to students reaching the standards set by the College;
- encourage the effective teaching and provide opportunities for the professional development of the teaching staff; and
- provide and maintain physical facilities for this teaching and research.

On 1 July 1973, the College formally commenced operation when its establishment was gazetted by the State Government. Incorporation within the Higher Education Act was constituted on and from 1 October 1974.

The College assumed the responsibility for three-year full time courses in physiotherapy, occupational therapy, and speech therapy and a two-year full time course in orthoptics. Post-registration nursing courses previously conducted by the NSW College of Nursing were included from 1975.

The College was initially named 'New South Wales College of Paramedical Studies' however, early in 1974, the Interim Council recommended that the name be changed. When the Colleges of Advanced Education Act was passed in 1975, the name was changed to 'Cumberland College of Health Sciences'.

From its earliest days, Cumberland College aimed for excellence and adopted a leadership role. The College pioneered the development of basic nursing studies in an academic setting and it convened the first National Health Sciences Education Conference.

After the beginning years of operation in five inner city campuses with rented premises, a site at East Street, Lidcombe was ready for occupancy from 1st July, 1978.

It was on 26 October 1979, that His Excellency Sir Zelman Cowen AK GCMG KStJ QC, the then Governor-General of the Commonwealth of Australia, officially opened the College.

Since that time, Cumberland College has grown rapidly. Course development and course reviews have enhanced the College's academic profile. The first Master's degrees have been awarded, and additional specialty courses commenced in Diversional Therapy, Medical Radiation Technology and Community Health. In 1984, the College commenced teaching the Aboriginal Health and Community Development course, and in 1985, it introduced the first interdisciplinary graduate diploma program.

In many respects the attainment of institutional accreditation status at the end of 1986 was the culmination of the College's first decade of endeavour for academic excellence. This is now recognised internationally. The fifteenth anniversary of the establishment of the College was commemorated by hosting an International Conference on Health Sciences Education.

In 1989, State government legislation, in response to the Federal Government's introduction of a Unified National System of Higher Education, dissolved the corporate college and re-established it as an Academic College of The University of Sydney with effect from 1 January 1990. On 28 October 1991, the academic activities and staff of the College were established as the Faculty of Health Sciences in The University of Sydney, with the associated appointment of a Dean.
The involvement in PhD programs from 1990 is a highlight of the amalgamation with The University of Sydney.
As from 1 January 1994, the School of Nursing, Faculty of Health Sciences was integrated into the Faculty of Nursing.

Objectives

The primary objectives of the Faculty are:

- Teaching in the clinical and academic aspects of the health sciences at both undergraduate and graduate levels; and
- Research in the clinical and related aspects of the health sciences.

The supporting objectives are:

- Facilitation of interdisciplinary study, research and discussion with academic and clinical colleagues through continuing education programs, symposia, workshops, conferences and staff and student exchange activity.
- Provision of specialised services and advice to disabled and disadvantaged people and agencies (both voluntary and government) within the context of the Faculty's academic, teaching and research expertise and purpose.
- Provision of advice, consultancies and applied research programs to government, commercial and business organisations which share the Faculty's common interest in health and health sciences.
- Development of relationships with international agencies and governments which seek to utilise the expert service and advice of the Faculty, within the context of the Faculty's teaching mission and purpose.

Academic Governance

On 2 September 1991 Senate resolved to approve the establishment of the Faculty of Health Sciences and approve the title of Dean and College Principal, to take effect from 28 October 1991. In 1998, the title was changed to Dean of the Faculty of Health Sciences.

■ Constitution of the Faculty of Health Sciences

1. The Faculty of Health Sciences shall comprise the following persons:

(a) the professors, associate professors, heads of schools, readers, principal lecturers, senior lecturers, lecturers and associate lecturers who are full-time or fractional (40% or greater) continuing or fixed-term members of the teaching staff of the schools placed under the supervision of the Faculty of Health Sciences;

(b) the Deans of the Faculties of Arts, Dentistry, Medicine, Nursing, Pharmacy and Science or their nominees and the Head of the Department of Social Work and Social Policy or nominee;

(c) seven student members elected in a manner prescribed by resolution of the Senate, namely:

(i) five students enrolled as candidates for an undergraduate degree or diploma offered by the Faculty;

(ii) one student enrolled as a candidate for a postgraduate coursework degree, diploma or certificate offered by the Faculty; and

(iii) one student enrolled as a candidate for a postgraduate research degree offered by the Faculty.

(d) full-time and fractional (40% or greater) continuing or fixed-term members of the research staff of the schools and centres of the Faculty who are appointed as research fellow or above;

(e) not more than three persons who are distinguished in a field of Health Science, appointed by the Faculty on the nomination of the Dean of the Faculty;

(f) the Faculty Manager, the Health Sciences Librarian and the Head of Student Administration (Cumberland Campus);

(g)four persons, being members of the general staff employed at Cumberland Campus having a close and appropriate association with the Faculty's work of teaching and research.

In addition to the above, the following persons are ex officio members: the Chancellor, the Deputy Chancellor, the Vice-Chancellor, the Deputy Vice-Chancellors and the University Librarian (or nominee of the University Librarian); and the Cumberland Campus Manager is invited to be in attendance.

2. The Faculty shall encourage teaching, scholarship and research in the schools and centres that the Vice-Chancellor has determined shall be placed under the supervision of the Faculty of Health Sciences and shall have the same powers and functions as are specified for faculties by resolution of the Senate.

■ Structure

The Faculty's academic structure comprises ten professional schools:

- Applied Vision Sciences
- Behavioural and Community Health Sciences
- Biomedical Sciences
- Communication Sciences and Disorders
- Exercise and Sport Science
- Health Information Management
- Indigenous Health Studies
- Medical Radiation Sciences
- Occupation and Leisure Sciences
- Physiotherapy

The Faculty's administrative stracture comprises eight divisions:

- Building and Grounds
- Faculty Office
- Financial Services
- Information Technology Services
- Personnel
- Property Services
- Student Administration
- Student Welfare Services

The Health Sciences Library provides facilities and information services to support all academic programs run on this campus and is networked to other research libraries.

Education Connections

Education Connections was established in 2001 to support educational development, outreach and continuing professional education in the Faculty of Health Sciences. It provides academic and administrative leadership, coordination and support to current and future Faculty educational initiatives. Education Connections' continuing professional education group promotes and coordinates delivery of a wide range of courses and other activities for the professional development of health professionals.

■ Centres

Australian Stuttering Research Centre

This Centre of the Faculty was established in January 1996, and is supported partly by Faculty funds and partly by external, Commonwealth Research Grants. Staff of the Centre work closely with speech pathologists in the Stuttering unit, Bankstown Health Service. The purposes of the Centre are to:

- Conduct world class stuttering research
- Establish national and international collaborative research links
- Provide mentorship for Australian stuttering treatment researchers
- Disseminate to Australian and international speech pathologists information about how stuttering treatment research informs clinical practice
- Provide professional continuing education to Australian and international speech pathologists
- Provide postgraduate research programs in stuttering research
- Disseminate to the Australian community information about stuttering treatment.

Staff research interests draw on several disciplines that are applied to stuttering research, including acoustics, linguistics, physiology and psychology.

National Centre for Classification in Health (NCCH) Sydney

The NCCH is a centre of health classification theory. The NCCH creates, maintains and publishes the *International Statistical Classification of Diseases and Related Health Problems, Tenth Revision, Australian Modification,* which is adapted from the World Health Organization classification, ICD-10. The Centre creates Australian Coding Standards through a consultative process with clinicians and clinical coders to create best practice guidelines to apply the classification. ICD-10-AM Third Edition was published in 2002, and work is under way to publish the Fourth Edition in 2004

The Centre has expertise in clinical vocabularies, health data quality systems, education for segments of the health data and information sector, and publication of large and complex documents.

The Centre's activities include:

- development and publication of ICD-10-AM
- development and publication of ICD-10-AM classification sub sets for community-based mental health and early parenting services
- development and production of ICD-10-AM in electronic media including eBook, ASCII list, browser, MS Access database
- continuing development and publication of Australian Coding Standards
- convening the Coding Standards Advisory Committee
- designing and delivering education resources and events for clinical coders and users of coded data
- planning and delivering biennial conferences
- creating quality improvement tools and programs for use in coded data collections
- researching and producing a chronicle of the developments and enhancements made to the ICD-10-AM classification since its inception
- creating and publishing ICD-10-AM mapping tables
- producing a quarterly newsletter - *Coding Matters* - for clinical coders and users of coded data
- providing secretariat services for the World Health Organization's ICD-10 Update Reference Committee
- providing consultancies on behalf of the World Health Organization
- providing consultancy services in Australia and internationally
- researching and developing a general practice term set
- researching and developing a community health codeset
- contributing to the Commonwealth Department of Health and Ageing's Australian Refined Diagnosis Related Groups (AR-DRGs)
- assisting the Casemix Clinical Committee of Australia and the Clinical Classification and Coding Group.

The NCCH also has sites at the Queensland University of Technology (Brisbane) and La Trobe University (Melbourne).

Rehabilitation Research Centre

In March 1989, the Rehabilitation Research Centre was established with the charter to raise research productivity in the area of rehabilitation. Given that research in rehabilitation has an impact on the scientific, clinical and professional communities, it is appropriate that a Rehabilitation Research Centre should have clear and achievable research, educational and promotional functions.

The research objectives for the Centre are to:

- Increase research productivity, publication and scholarship in the area of rehabilitation;
- Stimulate and provide training programs for beginning researchers, and clinicians;
- Attract eminent rehabilitation researchers;
- Provide stimulating research environments for postgraduate students;
- Organise and conduct national and international symposia on rehabilitation;
- Provide a limited, but high quality rehabilitation service for patient assessment.

WHO Regional Collaborating Centre for Rehabilitation

The World Health Organization (WHO) designated the Faculty as a Regional Collaborating Centre for Rehabilitation in 1983. The functions of the Centre for Rehabilitation are to:

- Develop or adapt curricula and training materials for various categories of personnel needed for community rehabilitation programs
- Assist in organising and conducting relevant teaching programs or courses in the Western Pacific Region
- Provide expert advice on rehabilitation training to WHO and countries as required
- Make available training resources for selected personnel

- Prepare appropriate materials and aids
- Conduct relevant studies of education methodology ′

Faculty staff contribute to activities for the WHO through the Centre and through other international programs. They also contribute to the work of other international agencies such as UNICEF.

■ Inter-institutional agreements

The Faculty has developed links with the following institutions:

- Chiangmai University, Thailand
- College of Higher Education, Solomon Islands
- Hong Kong Polytechnic University, Hong Kong
- Mahidol University, Thailand
- Singapore Institute of Management
- Southern Illinois University, Carbondale, USA
- Sun Yat-sen University of Medical Sciences, Guangzhou, Peoples Republic of China
- The Chinese Academy of Medical Sciences, Beijing, Peoples Republic of China
- The Queens College, Glasgow, Scotland
- The University of Indonesia, Jakarta, Indonesia
- The University of Hawaii

The inter-institutional links are designed to strengthen the bonds between academic communities and, in the process, contribute to greater understanding and communication between cultures.

Programs of cooperation involve exchange of information, faculty and where appropriate students, in a variety of educational development and research initiatives.

3 Admission and undergraduate course information

■ General admission requirements

Generally, applicants for admission to the Faculty's undergraduate courses are considered on the basis of the UAI obtained in the New South Wales Higher School Certificate, or equivalent. Applications are also considered from applicants with a tertiary record. For some courses, these applicants may also be required to complete a questionnaire and/or attend an interview. Details of application procedures and any additional selection criteria are available in the UAC Guide, or on their Web site, www.uac.edu.au.

Further information is also available from Student Administration (Cumberland), phone (02) 9351 9574.

Special admission

The University conducts various schemes which may facilitate entry for applicants who are either Australian citizens or Permanent Residents and who have experienced serious educational disadvantage in pursuit of their secondary or tertiary education; or for mature-age applicants. Details of these schemes can be obtained from the University's Admissions Office, phone (02) 9351 4117, or on the Web site, www.usyd.edu.au/study/ad_special.shtml.

In addition to the above schemes the Faculty of Health Sciences conducts the schemes below. Further information about these schemes is available from Student Administration (Cumberland), phone (02) 9351 9574.

Multicultural Entry Scheme

This scheme is open to applicants from non-English speaking backgrounds completing the current HSC who are proficient in a language other than English, and who have an understanding of the needs of major community groups. Applicants are required to sit an externally assessed test for which a fee is payable. Applications and information about the test are available on the Web site at www.crc.nsw.gov.au. The closing date for applications is the last Friday in October each year.

School of Physiotherapy - Rural Students Entry Scheme

This scheme is open to applicants to physiotherapy who sat the HSC in the current or preceding year and who have no prior tertiary record, and completed at least the last four years of secondary education at a rural school. These applicants may be admitted if their UAI is not more than five points below the main round UAI cutoff. Applications are available on the Web site at www.fhs.usyd.edu.au/Academic/PT. The closing date for applications is 30 November each year.

Vocational Entry Scheme

This scheme allows completion of relevant TAFE courses and/or work experience to be taken into consideration for admission to courses which are vocationally oriented. Applicants are required to submit a written application to the Admissions Officer, Faculty of Health Sciences, in addition to the UAC application, by 30 November each year.

Fee-paying courses for Australian students

A limited number of fee-paying places will be available in Faculty of Health Sciences courses to current Year 12 students and other applicants. These places can only be made available once the quota of HECS liable places is filled. Applicants for fee-paying places will be selected in the same way as applicants for HECS places. As a general rule, applicants must have attained a UAI or equivalent that is not more than five points below the UAI cut-off for entry to HECS places in the current year. Admission as a fee-paying student is for the duration of the course. To be considered for conversion to a HECS-liable place in subsequent years students must re-apply and compete against all other applicants.

Further information is available on the University's Web site at www.usyd.edu.au/study/feepay.

International fee-paying applicants

Admission to University of Sydney courses under the local quota is restricted to Australian and New Zealand citizens or permanent residents of Australia.

International students undertaking a 2002 Australian Year 12 will be considered for entry to the University on a full fee-paying basis only. Application is made through UAC. For information regarding application procedures for other international fee-paying applicants you should obtain a copy of the University's International Prospectus from the International Office on (02) 9351 4079 or refer to the Web site, www.usyd.edu.au/su/io.

■ Course applications

Undergraduate course applications

Applications for most of the Faculty's undergraduate courses are processed by the Universities Admissions Centre (UAC). Courses offered are:

Bachelor of Applied Science

- Exercise and Sport Science
- Health Information Management
- Leisure and Health[1]
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology

Bachelor of Behavioural Health Science

Bachelor of Health Science

- Aboriginal Health and Community Development[2]
- Hearing and Speech
- Rehabilitation Counselling

Bachelor of Health Sciences

UAC application forms and Information Guides are available in August each year:

- for NSW Higher School Certificate students, from schools;
- for ALL other undergraduate applicants, from major newsagents or from the Universities Admissions Centre, postal address:
  UAC, Locked Bag 112
  Silverwater NSW 2128
  Phone (02) 9752 0200
  Or apply on-line at www.uac.edu.au.

The closing date for UAC applications is late September, however late applications may be lodged until mid-February upon payment of the specified late fee. In special circumstances, Student Administration (Cumberland) may accept direct applications after the late UAC closing date upon payment of a late application fee of $ 132.00.

All other course applications

Information and application forms for all other courses in the Faculty (non-UAC undergraduate, conversion, graduate certificates, graduate diploma, Master's degree and doctoral courses) are available from Student Administration (Cumberland). Completed applications must be lodged by the advertised closing date at Student Administration (Cumberland). Late applications will be accepted if vacancies remain.

1. Also available by off-campus mode. Applicants for the Leisure and Health (off-campus) course must apply directly to the Faculty. Contact the Undergraduate Adviser on phone (02) 9351 9574, email uginfo@fhs.usyd.edu.au.
2. Applications for Aboriginal Health and Community Development are not processed by UAC. Potential applicants should contact Yooroang Garang: School of Indigenous Health Studies, phone (02) 9351 9095.

Non-award enrolment

Non-award students are students who are enrolled in a unit or units of study but are not proceeding to a degree or diploma of the University. The Faculty may permit enrolment in a particular unit or units provided that the student has an appropriate academic background and that the head of the school offering the unit considers that the student will benefit from the unit, that accommodation is available and that the enrolment does not prevent a place in that unit being available to a student proceeding to a degree or diploma.

A student who is subsequently admitted to a course of the University for which units completed as a non-award student form a part, may receive credit for those units.

Enquiries concerning eligibility for enrolment and the availability of units should be made at the relevant school. Applications for non-award enrolment should be submitted to Student Administration (Cumberland).

Undergraduate non-award students are required to pay unit tuition fees on the basis of a fixed fee of $15,750 for a full-time load multiplied by the weight of the individual unit.

Postgraduate non-award students are required to pay proportional tuition fees on the basis of the fee for a full-time load or fees set out by the Faculty for that unit of study.

Miscellaneous enrolment

Provision is made in the Faculty for students to undertake study in units which form part of award courses. Miscellaneous students' results will not be formally presented but a certificate of successful completion will be given on completion of units.

Study as a miscellaneous student will not be taken into account on subsequent enrolment in an award course in The University of Sydney.

Miscellaneous students will be required to pay a fee of $100 per credit point.

Application forms are available from Student Administration (Cumberland) and should be lodged at least two months prior to commencement of the semester.

Cross-institutional enrolment

Students enrolled in a recognised tertiary course at another institution will be permitted to enrol in any unit in degree and diploma courses in the Faculty of Health Sciences, providing the unit is approved by the home institution, the applicant satisfies the prerequisite knowledge to study the unit and resources are available to support the enrolment in the unit.

Cross-institutional students will incur a HECS liability for their enrolment except that where such students are permitted to enrol in a unit for which a tuition fee is charged, they will be required to pay the tuition fee in lieu of a charge under HECS. Such a student will be required to provide documentary evidence of their enrolment by the home institution.

Enquiries concerning application procedures and eligibility should be directed to Student Administration (Cumberland).

■ Behavioural and Biomedical Sciences core knowledge areas

Students undertaking any undergraduate course in the Faculty are required to study anatomy, physiology, psychology and sociology as core areas.

The depth to which these areas are studied depends on the requirements of individual courses. In a number of courses, other areas of science are studied including biochemistry, biophysics, microbiology, biomechanics, applied physiology or research methods.

Behavioural Sciences

Behavioural Science units are normally made up of three strands: psychology, sociology and research methods.

Psychology is the science dealing with the nature of behaviour. Areas of study include: normal and abnormal psychological development, perception, personality development, health and human behaviour, and psycho-social aspects of illness and disability.

Sociology is the science of the development and nature of human society, and the study of social issues and problems. Areas of study include: the family unit, aspects of Australian society, client/practitioner relationships, and issues relating to health, medicine and society.

Research Methods involves the study of how information (data) is collected and measured, determining statistics, and making conclusions on the basis of these investigations. Research methods involves a substantial amount of study using computer resources.

Biomedical Sciences

Biomedical Sciences units include the following areas of study:

Anatomy is the study of the structure of the human body and the relationships of body parts to provide a basis for understanding how the body functions. It involves investigation of cells, tissues, organs and systems (including the skeletal, muscular, nervous, endocrine, circulatory, respiratory, digestive, renal and reproductive systems).

Physiology is the study of the mechanisms of body function, the physical, chemical, biochemical and homeostatic processes operating at the cellular level and at the level of the human organism.

Biochemistry and *Biophysics* include the physics and chemistry necessary for an understanding of biological processes and systems.

Microbiology is the study of microorganisms, and in particular their interactions with man. The ways in which diseases may be transmitted, and their prevention is emphasized.

Biomechanics provides the basic scientific concepts of kinematics and dynamics plus skills in electromyography and instrumentation required for the analysis of human movement. The active and passive mechanical behaviours of body tissues are studied as well as the applications of biomechanics to therapeutics.

Applied Physiology is concerned with the exercise response in terms of control, regulation, and adaptation of body systems. Particular attention is given to cardiovascular and respiratory control, metabolic regulation, thermoregulation and adaptation to static and dynamic exercise in both able bodied and physically impaired populations.

■ Knowledge expected of commencing students

In pursuing any biological science or applied science course at university level, a basic knowledge of biology/physiology, chemistry, mathematical or physics concepts is essential to an understanding of theories of structure and function of the human organism. Rather than define specific mathematics and science subjects as prerequisities, the Faculty has provided the following information to assist applicants gauge their preparedness to undertake particular programs of study. This assumed knowledge does not apply to programs in Aboriginal Health and Community Development or Rehabilitation Counselling.

Applicants should refer to the course(s) in which they are interested for more specific information on levels of assumed knowledge. Students who do not meet the required level of assumed knowledge are encouraged to contact Continuing Professional Education on (02) 9351 9343 about bridging courses or supplementary work to bring themselves up to the required level of knowledge.

The following summaries state concepts, knowledge, abilities and skills which enable easier assimilation by students commencing study. The items listed are not prerequisites. The summaries provide a useful basis for any remedial tuition for students who feel their science background to be inadequate during the first year of study.

Biology

(relevant to all students)

Although no prior knowledge is expected, an understanding of the basics of biology would be beneficial to students undertaking subjects with a physiology component. Introductory physiology subjects cover topics which are part of most high school biology courses.

Chemistry

(relevant to Physiotherapy, Orthoptics, Occupational Therapy, Medical Radiation Sciences, Speech Pathology, Hearing and Speech, and Exercise and Sport Science)

- Understanding of the following concepts and terms: atom, subatomic particles (proton, neutron, and electron), periodic table, electronic configuration, ions, covalent, and ionic bonds, electronegativity and shape, metals and non-metal.

- Knowledge of the names and chemical symbols of the first thirty-six elements of the periodic table, and other common elements.
- Knowledge of the following concepts and terms: types of compounds such as acids, bases, pH, salts, mole, molar mass, solids, liquids, gases, temperature, and bond energies.
- Knowledge of the usual valencies of the common elements, ions and polyatomic ions.
- Ability to write word, ionic, and stoichiometric equations for chemical reactions.

For students who feel that their understanding of chemistry is inadequate, a chemistry bridging course is offered before the start of the first semester.

Grammatical Analysis

(relevant to Speech Pathology and Hearing and Speech)

- Familiarity with the terminology of traditional English grammar and common classes - eg, noun, verb, preposition, adverbial phrase, subordinate clause, etc.
- Ability to distinguish clauses from phrases, and simple sentences from complex ones.
- Knowledge of construction of phrases - eg, NP, UP, PP etc.
- Ability to identify the elements of clauses - ie, subject, objects, verbs, adverbs, and complements.

Students enrolling in Speech Pathology or Hearing and Speech are strongly advised to undertake the grammatical analysis bridging course before the start of the first semester.

Mathematics

(relevant to Medical Radiation Sciences, Physiotherapy and Health Information Management)

- Identify and be familiar with the following concepts and terms: number, numeral, variable, reciprocal, ratio, function, logarithm (exponent or index).
- Knowledge of laws of indices, and the associated behaviour of logarithms.
- Ability to perform the following algebraic operations: multiplying through brackets; collecting like terms; changing the subject of simple formulae.
- Ability to solve linear simultaneous equations in two variables, such as:
  $x + 2y = 5$
  $2x - 3y = 4$
- Ability to use scientific notation for large and small numbers, and to multiply, divide, add and subtract numbers written in this notation.
- Knowledge of the trigonometric ratios, sine, cosine and tangent, and the ability to determine their values for angles.
- Ability to draw graphs of the following kinds of relations:
  $y = mx + b$
  $y = ax^2 + bx + c$
  $y = 1/x^m$
- Ability to carry out quick and accurate computations using a digital calculator.
- Ability to draw a graph of the relationship of a dependent variable to an independent variable and to be able to interpret such graphs.
- Ability to differentiate and integrate functions including polynomials, exponentials and trigonometric functions.

Physics

(relevant to Medical Radiation Sciences, Physiotherapy and Orthoptics)

- Identify and be familiar with the following concepts and terms: motion, scalars and vectors.
- Knowledge of wave motion, light, wave phenomena.
- Identify and be familiar with the following concepts and terms: heat, temperature, calorimetry, heat transfer and expansion.
- Knowledge of the terms, density, force and pressure.
- Identify and be familiar with levers and pulleys.
- Identify and be familiar with the following concepts and terms: electrostatics, electric and potential fields, capacitance and Ohm's law.
- Knowledge of radioactivity and ionising radiation.

For students who feel that their understanding of physics is inadequate, a physics bridging course is offered before the start of the first semester.

■ Preparatory courses

The following short courses are designed to address the needs of students who have already been accepted into award courses at the Faculty of Health Sciences/University or elsewhere. They should not be confused with preparation courses to be undertaken by prospective students in order to qualify for admission to the University under its Mature Age Entry scheme.

Chemistry, Physics and Grammatical Analysis

Bridging courses may be offered on Cumberland campus in Chemistry, Physics, and Grammatical Analysis. These courses are recommended for undergraduate as well as postgraduate students who feel that they have not attained the assumed knowledge noted elsewhere in course descriptions. Bridging courses are held in February each year, approximately two weeks prior to commencement of semester one.

Information about bridging courses is sent out with offers of admission into undergraduate and graduate programs. Prospective students are advised to complete the appropriate course if in any doubt as to their capacity in any of the above areas. Information on bridging courses is also available at www.fhs.usyd.edu.au/cpe/programs/bridging.htm.

Mathematics

The Mathematics Learning Centre (Camperdown campus) provides assistance during the semester to students needing to improve mathematical skills. More information on the Centre's services is available at www.usyd.edu.au/su/mlc/.

Academic and Communication Skills

A one-day preparatory course may also be offered in Academic Skills for both undergraduates and postgraduates. This is especially relevant for students from non-English speaking backgrounds, special entry students, and mature-age students returning to study after a long absence. Students who feel they need to refresh their academic skills will also find them helpful.

Study preparation for international students

A four-week full-time Study Preparation Program is offered to newly enrolled international students in January/ February, to prepare them for academic study in an Australian health sciences context.

■ Summer School

Most faculties at the University offer units of study from degree programs during January/February. As the University uses all of its HECS quota in first and second semester, these units are full fee-paying and 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 requisite subjects before they commence their degrees. Units start on 6 January and run for up to six weeks (followed by an examination week). Notice of the units available is contained in the various faculty Handbooks and is usually circulated to students with their results notices.

The following two Summer School units are offered by the Faculty of Health Sciences:

AHCD5039 (07539X) Health Promotion
BACH1138 (251B0) Health and Research Design: General (combined)

4 Student administrative information

Summary of undergraduate diplomas and degrees

Discipline	Duration	Mode	Course code
Bachelor of Applied Science (BAppSc)			
Exercise and Sport Science[1] (last intake 2001)	3 years	full-time	2209
Exercise and Sport Science[1]	3 years	full-time	2224
Health Information Management[1]	3 years	full-time	0902
Leisure and Health[1] (last intake 2001)	3 years	full-time	1531
Leisure and Health[1]	3 years	full-time	1554
Leisure and Health[1]	6years	off-campus	1541
Medical Radiation Sciences[1]	3 years	full-time	
Diagnostic Radiography			1837
Nuclear Medicine			1838
Radiation Therapy			1839
Occupational Therapy[1] (last intake 2001)	4 years	full-time	1542
Occupational Therapy[1]	4 years	full-time	1554
Orthoptics[1]	4 years	full-time	1410
Physiotherapy[1] (last intake 2001)	4 years	full-time	1652
Physiotherapy[1]	4 years	full-time	1688
Speech Pathology[1]	4 years	full-time	1206
Bachelor of Behavioural Health Science' (BBHSc) (last intake 2001)	3 years	full-time	2553
Bachelor of Behavioural Health Science' (BBHSc)	3 years	full-time	2576
Bachelor of Health Science (BHlthSc)			
Aboriginal Health and Community Development[1]	4 years	block attendance	0780
Hearing and Speech[1]	3 years	full-time	1221
Medical Radiation Technology[2] (July start)	1 year	part-time	2008
Medical Radiation Technology[3]	1 year	full-time	
Diagnostic Radiography			1830
Radiation Therapy			1831
Nursing[2]			
(January start)	2 years	part-time	2005
(July start)	2 years	part-time	2015
Occupational Therapy[2] (July start)	1 year	part-time	2007
Occupational Therapy[3]	0.5 year	full-time	1558
Physiotherapy[2] (July start)	1 year	part-time	2006
Physiotherapy[3]	9 months	full-time	1681
Rehabilitation Counselling[1] (last intake 2001)	4 years	full-time	2531
Rehabilitation Counselling[1]	4 years	full-time	2578
Bachelor of Health Sciences[1] (BHlthSci)	3 years	full-time	2901
Diploma of Health Science (DipHlthSc)			
Aboriginal Health and Community Development	2 years	full-time	0767

1. Honours Program available. Total course length four years full-time.
2. Off-shore (Singapore-based) conversion courses.
3. On-shore (Sydney-based) Singapore conversion courses.

■ Undergraduate Honours programs

The degree of Bachelor of Applied Science may be awarded in the grade of Honours in the following programs:

- Exercise and Sport Science
- Health Information Management
- Leisure and Health
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology.

The degree of Bachelor of Behavioural Health Science may be awarded in the grade of Honours.

The degree of Bachelor of Health Science may be awarded in the grade of Honours in the following programs:

- Aboriginal Health and Community Development
- Hearing and Speech.
- Rehabilitation Counselling.

The degree of Bachelor of Health Sciences may be awarded in the grade of Honours.

Detailed information is given in each school's entry in this handbook or is available from the Honours Coordinator in each course.

Honours policy in the Faculty of Health Sciences

All undergraduate programs in the Faculty of Health Sciences have an Honours program available for students who have performed at an exceptional level throughout their degrees. In four year degree programs, Honours is taken concurrently with the Pass degree. In three year programs, Honours students take an additional fourth year of study, but some Honours units of study may commence in third year.

Entry to Honours in all Schools is competitive, and the number of students accepted into Honours will vary from School to School and from year to year. Furthermore, offers are not automatic and are at the final discretion of the School in which the student is enrolled. Students who are considering Honours should therefore consult with the School Honours co-ordinator.

All Honours programs have a discipline-specific research component. Further details can be found in the relevant Schools' chapters of the Faculty Undergraduate Handbook.

Grades of Honours

The University of Sydney awards Honours Grades based upon students' aggregate work within the students' Honours program. The Grades are as follows:

First Class	80-100%
Second Class/ Division 1	75-79%
Second Class/Division 2	70-74%
Third Class	65-69%

Honours shall not be awarded below 64%

Eligibility for Honours

Credit Average: To be considered for Honours admission by Schools in the Faculty of Health Sciences, a student must have a Weighted Average Mark (WAM) at a Credit Level (ie 65%) or above. Note that the WAM is a *weighted* average, and that units of study with greater credit point values are given higher weightings in the calculation. Also note that units of study in which only *R* (satisfied requirements) grades are awarded (eg clinical placements in some schools) are not included in the WAM. Advanced Standing (AS) results are also excluded from the WAM.

Competitive entry: The requirements of Honours programs in all schools are more challenging and demanding than those of pass degrees. Schools will offer places in honours only to students who have been performing at a standard clearly above the average for their cohort throughout their degree.

No prior failures in units of study: In assessing eligibility for Honours, schools will evaluate students' performance across the entire undergraduate program. Preference will be given to students who have not failed any units of study. However, Schools have discretion in determining the relevance of a failed unit to Honours candidature, assuming the student has an excellent record otherwise.

Continuation within Honours

Maintain credit average: The University of Sydney will not award Honours to a student who does not attain a credit or above for their overall honours mark (see above). Students who are at risk of falling below a credit mark for Honours will be counselled about transferring to the pass degree.

Failure during Honours: Students who fail a unit of study in their honours program will be advised that unless they perform at an outstanding level in all other units of study, they are unlikely to be able to maintain a credit average throughout Honours and should consider transferring to the Pass degree.

■ Units of study numbering system

The units of study numbering system is comprised of four letters and four digits. The letters of the alphabet identify the school or centre responsible for the unit of study. The first of the four digits corresponds as far as possible to the level of the unit, and the remaining three digits are sequentially allocated as required.

The identifying alphabet codes of the Faculty's schools and centres are:

STUT	Australian Stuttering Research Centre
BHSC	Bachelor of Health Sciences
GSDD	Developmental Disability
DHSC	Doctor of Health Science
MASC	Master of Applied Science
REHB	Rehabilitation Counselling
REHA	Rehabilitation Research Centre
ORTH	School of Applied Vision Sciences
BACH	School of Behavioural and Community Health Sciences
BIOS	School of Biomedical Sciences
CSCD	School of Communication Sciences and Disorders
EXSS	School of Exercise and Sport Science
HIMT	School of Health Information Management
MRTY	School of Medical Radiation Sciences
OCCP	School of Occupation and Leisure Sciences
PHTY	School of Physiotherapy
SING	Singapore Institute of Management
VOIC	Voice
AHCD	Yooroang Garang: School of Indigenous Health Studies

As part of the transition to the University's new Student Information System, this handbook also contains the old 'subject' codes. 'Old codes' should be included in any enquiries, or in reference to any variations to student enrolments.

■ Course and enrolment enquiries

Student Administration (Cumberland)

Student Administration (Cumberland), located in the Jeffrey Miller Administration Building (A Block), provides intending applicants and enrolled students, both local and overseas, with information and advice on the various courses offered by the Faculty, as well as associated matters of admission and enrolment. Enquiries can be made Monday to Friday between 9 am and 4.30 pm. The postal address is:

Student Administration (Cumberland)
The University of Sydney
PO Box 170
Lidcombe NSW 1825
Phone (02) 9351 9161, Fax (02) 9351 9412
Email: uginfo@fhs.usyd.edu.au.

■Offers and enrolment

Offer

Applicants will be notified by the Universities Admissions Centre if the University has made an offer of admission. The UAC Guide and Web site (www.uac.edu.au) contains detailed information about the offer process, including when offers are made.

The Faculty of Health Sciences has only one intake each year, for the March semester. There are a number of offer rounds which allows applicants a number of chances to receive an offer of admission and may also allow students to briefly have two or more offers at once. The University makes most of its offers to

local students in the Main Round, which occurs at the end of January, and further offers may be made in the Late and Final rounds, which occur at the beginning and the middle of February.

Applicants who receive an offer in these rounds are required to attend an enrolment session which is usually within a few days of the offer date. Offers of admission are made on the basis that applicants have provided correct and complete information throughout the application process and can be revoked by the University if the information provided is not accurate and complete. Offers of admission are made for a particular intake, and must be taken up by the date specified for that intake, or the offer will lapse. The sole exception is for applicants who apply for and are granted deferment of enrolment (see below).

Successful applicants will receive instructions about the enrolment process with their offer letters from UAC. Copies of these instructions can also be found on the Faculty's Web site at www.fhs.usyd.edu.au.

Details of alternative arrangements for students unable to attend the designated enrolment session are included in the above instructions.

Enrolment of new students

Enrolment as a new student in a course entails:

a) completion of an Enrolment form attesting the units in which the student will be enrolled in the first year of study
b) completion of such forms for statistical purposes as required by the Department of Education Science and Training (DEST), and any other government agency
c) completion of a form to indicate mode of payment of the Higher Education Contribution (if applicable)
d) completion of such other forms as required by the Faculty or University
e) payment of compulsory and other fees in relation to study at the University including Student Guild fees
f) payment of the estimated Higher Education Contribution for the semester of commencement of study if the 'up-front' mode of payment is adopted payment of tuition fees for each semester or completion of the Postgraduate Education Loan Scheme application form, if enrolled in a postgraduate fee paying course. Provision of tax file number if choosing the deferred payment option for HECS or applying for the Postgraduate Education Loan Scheme.

Compulsory subscriptions and other fees must be paid by Friday 14 February 2003 or the enrolment may be cancelled. An Enrolment Confirmation/Tax Invoice for fees due will be issued at enrolment.

Deferment of enrolment

A person granted admission to an undergraduate course of the Faculty and who undertook the NSW Higher School Certificate, or its equivalent, in the preceding year, may be permitted to defer enrolment for a maximum period of one year, upon written application to the Undergraduate Officer, Student Administration (Cumberland) by the specified date.

Deferment of enrolment will not normally be granted to enable an applicant to undertake another tertiary course.

Other applicants will not be permitted to defer enrolment unless there have been extreme and unpredictable changes in circumstances since applying for the course.

International students may be permitted to defer enrolment. Written applications must be lodged with The University of Sydney International Office.

Re-enrolment of continuing students

Re-enrolment of continuing students in a course entails:

a) completion of an Enrolment form attesting the units in which the student will be enrolled
b) completion of such forms for statistical purposes as required by the Department of Education, Science and Training (DEST) or any other government agency
c) completion of a form to indicate mode of payment of the Higher Education Contribution (only if the student is changing mode from that adopted in the immediately preceding semester)
d) completion of such other forms as required by the Faculty or University
e) payment of compulsory and other fees in relation to study at the University, including Student Guild Fees
f) payment of the estimated Higher Education Contribution for First semester, if 'up-front' mode of payment is adopted payment of fees for each semester or completion of the Postgraduate Education Loan Scheme application form, if enrolled in a postgraduate fee-paying course.
h) re-enrolment of continuing undergraduate students will be carried out by mail. In mid-January 2003, students who are eligible to continue their course will be sent re-enrolment packages.

Compulsory subscriptions and other fees must be paid by Friday 14 February 2003 An Enrolment Confirmation/Tax Invoice for fees due will be included in the re-enrolment kit sent to all students in mid-January.

Academic advisers will be available for consultation concerning variations to proposed units for enrolment during the last week of January/early February. Completed re-enrolment documents are to be lodged at Student Administration (Cumberland) by Friday 7 February 2003.

Students who are required to complete further testing should return re-enrolment documents by 7 February 2003 and complete a Variation of Units of Study form as necessary, upon receipt of results for the further testing.

The last day to finalise re-enrolment is Monday 31 March 2003. Students who fail to complete enrolment by this date will be deemed to have abandoned their course.

Status of students

A student shall be deemed to be a registered student of the University from the time of first enrolment, until the student

a) has completed the course; or
b) has discontinued studies; or
c) has been excluded from the course and/or the University, or
d) is deemed to have abandoned the course.

Registered students are required to enrol at the start of each year or semester as determined by the Head, Student Administration (Cumberland).

Students who do not formally discontinue may be deemed to have abandoned their course if they fail to complete enrolment by 31 March.

Enrolment confirmation

All the information provided when you enrol is added to the Faculty's student record database. This includes the student's degree, academic year and their units of study. It is important that this information be recorded correctly at the beginning of the year, and amended should a change occur in any of the details during the year. Under the Higher Education Contribution Scheme, Postgraduate Education Loan Scheme or course fees, any unit of study enrolment has a financial implication.

To enable students to see what enrolment data, payments or financial liability have been recorded for the current semester, they will be sent an Enrolment Confirmation/Tax Invoice in mid-January for First semester (as part of the enrolment kit), and in the first week of semester for Second semester. If the information is correct the student should pay any compulsory fees and up-front HECS or course fees in accordance with the instructions provided and retain the notice for their records. Should the notice be incorrect in any detail, they should advise Student Administration (Cumberland) promptly to have the record amended. A new notice will then be prepared and sent to them. A final Enrolment Confirmation/Tax Invoice will be sent to all students after the HECS census date in each semester.

It is the student's responsibility to ensure that their enrolment is correct. Students should contact Student Administration (Cumberland) if they have not received the Enrolment Confirmation/Tax Invoice by the dates nominated above.

If a student wishes to

- change a unit of study in which they are enrolled
- discontinue a unit of study
- discontinue enrolment totally

refer to the section 'Variation of units, leave of absence, and discontinuation' for procedures to be followed. **Note that it is not sufficient to inform academic staff of any. changes.**

Change of address

Students are required to notify Student Administration (Cumberland), of any changes in their addresses as soon as possible. Notice of a change of address must be made in writing, by email or via the Internet. The University does not accept responsibility if official correspondence fails to reach a student

who has not notified the Head, Student Administration (Cumberland), of a change of address.

Student identity card

All enrolled students are issued with a University identity card which must be carried during attendance at the University and shown on official request. The student number appearing on the identity card is the identifier used in the University's records and should be quoted in all correspondence. The card must be presented when borrowing from the University Libraries.

Any student seeking leave from or discontinuing a course must return the identity card to Student Administration (Cumberland) as part of the Exit Procedures of the University.

In the event of loss, a replacement identity card may be issued by Student Administration (Cumberland), on payment of a fee to the Cashier and provision of proof of identity.

Transport concessions

The student identity card also functions as a transport concession card when a State Rail identifier has been affixed. To be eligible for transport concessions, students must be studying on a full-time basis, be an Australian citizen or Permanent Resident, and not be in employment or receipt of remuneration.

■ Credit transfer

Policies

The Faculty of Health Sciences (FHS) has a policy of awarding students maximum credit for prior academic achievements within the following resolutions.

1. Three forms of credit transfer may be granted:
   a) *Block Credit* for whole stages or years of course. Students are awarded the grade of AS (Advanced Standing) for all units credited.
   b) *Specified Credit 1* for **whole** unit(s) of study which the student is not required to undertake based on completion of studies which have been deemed equivalent. The student is awarded the grade of AS for all units of study credited.
   c) *Specified Credit 2* for **parts** of units of study which the student is not required to undertake based on completion of studies which have been deemed equivalent (previously termed 'exemption'). These units of study will attract only aR or F final grade except when the part(s) of the unit being studied were undertaken in the same unit at the Cumberland campus in the previous year. Course Examiners may record a mark with these grades.
2. In undergraduate programs of 3 years standard length, a maximum of up to two-thirds credit transfer is permissible.
3. In undergraduate programs of 4 years standard length, a maximum of three-quarters credit transfer is permissible.
4. In graduate coursework programs a maximum of 50% credit transfer is permissible.
5. Where feasible and appropriate 'class-action' credit transfers into FHS courses will be implemented.
6. The Faculty Handbooks will list existing 'class-action' credit transfer policies.
7. Graduate Certificate Programs in the FHS are fee-paying courses. Award of a graduate certificate following transfer from a graduate diploma program is conditional upon payment of the approved course fees.
8. Mechanisms for achieving credit transfer include:
   a) the provision of academic transcripts and syllabuses or alternative information for a judgement on a case-by-case basis
   b) the provision of appropriate evidence related to existing credit transfer class actions
   c) the successful completion of challenge exams, where required. Challenge exams provide an opportunity for students to demonstrate that they have achieved the learning goals of a unit of study through previous formal study. Successful completion of a challenge exam will result in a grade of AS being awarded for that unit of study. Challenge exams are applicable only for units which the student has previously passed.
9. Credit for prior learning which is of a non-credential nature may be granted on the recommendation of the head of school. This credit may take the form of any of the forms of credit listed above. Such decisions will be made on a case-by-case basis.
10. Eligibility for credit does not guarantee a place in the course in which the credit would be available.
11. Where existing credit transfer statements (eg, class actions) exist, such information would be available at the time of enrolment via the Faculty Handbook.
12. The responsibility for approval of Block credit transfer rests with the head of the school in which the student is enrolled, following appropriate consultation. The responsibility for approval of Specified Credit 1 and 2 rests with the head of the school in which the unit of study is taught. In case of dispute or appeal, the final responsibility for credit transfer rests with the Faculty.

Current practices within the Faculty of Health Sciences

Each student's case in relation to units of study taught within the Faculty is considered individually on the basis of information submitted.

Exceptions

- The Schools of Physiotherapy, Medical Radiation Sciences, Health Information Management and Communication Sciences & Disorders may use **challenge tests** in some individual cases to clarify the level of prior learning.
- Credit transfer **class-actions** exist in relation to:
  a) the Bachelor of Health Science (Aboriginal Health and Community Development) from the Associate Diploma in Aboriginal Health and Community Development (University of Sydney), the Associate Diploma in Aboriginal Health and Community Development (Southern Cross University) and the Bachelor of Applied Science (Aboriginal Community Management and Development) (Curtin University);
  b) the Bachelor of Applied Science (Leisure and Health) from the Associate Diploma of Applied Science (Diversional Therapy) (University of Sydney);
  c) the Master of Applied Science (Manipulative Physiotherapy) from graduate diplomas in manipulative physiotherapy awarded by Cumberland College of Health Sciences and The University of Sydney.

Credit transfer based on challenge examinations

Where it is unclear how closely the student's previous educational achievements are matched to future requirements, particularly in Biomedical Sciences or Behavioural Sciences units, students may be asked to take a 'Challenge Examination'. A challenge exam may be used rather than refusing credit transfer outright.

Credit transfer based on TAFE studies

Due to the specialised nature of the Faculty's programs, there are few TAFE subjects which could result in Advanced Standing, however, students may seek Specified Credit 2 (exemptions) based on prior learning in TAFE programs. In some instances, challenge examinations may be required in addition to the provision of relevant information to support the student's application. Students should contact the relevant unit of study coordinator direct to discuss credit for prior learning.

Credit for prior learning of a non-credential nature

Students seeking to gain credit for prior learning which was not recognised by an award (eg, certificate, degree) may approach the head of school or specific unit coordinator(s) to discuss this option. In some cases, students may be able to sit challenge examinations to demonstrate this learning or may be requested to submit relevant documentation (eg, record of completion of continuing education program, publications by applicant, demonstrated clinical expertise in relation to postgraduate programs). It may not be realistic or feasible to provide convincing evidence in some instances, in which case the student would be required to enrol in the unit(s) in question.

Implications of gaining credit transfer

1. Gaining Credit Transfer/Advanced Standing in a unit will decrease the student's workload. A reduced overall workload may affect eligibility for Austudy/Abstudy/Youth Allowance support.
2. Having been granted Advanced Standing, the student may wish to seek approval, via their head of school, to enrol in higher stage units in their course, subject to timetable constraints.
3. Students gaining Credit Transfer/Advanced Standing are awarded the grade AS which is not included in the calculation of a Grade Point Average/Weighted Average Mark.

4. Gaining credit (exemptions or Advanced Standing) could influence a student's marks, either by allowing more time for studying other units and thereby improving the marks in those units, or by gaining an AS grade instead of a (potentially) high mark based on previous knowledge which could increase the GEA.

The Grade Point Average/Weighted Average Mark is the basis for entry into Faculty Honours programs and allocation to a hospital job (after graduating from the BAppSc in Physiotherapy). The calculation of the Weighted Average Mark for the award of Australian Postgraduate Awards (scholarships) for postgraduate study involves consideration of all available marks. Only units with marks (ie, excluding AS and ZP/R graded units) are considered in the calculation.

Application procedures

Details of the process for applying for credit transfer are given on the 'Credit Transfer 2003' leaflet available from Student Administration in A Block or on the Web site at www.fhs.usyd.edu.au/study/forms.htm.

All students who intend to apply for Credit Transfer, must finalise their applications for the academic year by 10 February and only in exceptional circumstances may they be granted an extension until week one of semester one. Applications must be made on the appropriate form and lodged with Student Administration (Cumberland).

Students should attend classes until the results of their credit transfer application have been advised.

Challenge examinations

If you are assessed as required to sit for challenge exams in one or more units of study, you will be advised in writing of the date(s), time(s) and venue(s) for your exam(s).

Challenge exams for full year units and units offered in the first and second semesters will be held from Monday 24 February to Wednesday 5 March 2003. Results will be posted in the relevant school by the end of week 1.

■Variation of units, leave of absence and discontinuation

In making a decision to vary a course of study or apply for Leave of Absence or Discontinuation of Studies, it is often advisable for a student to discuss the situation with the Head, Student Welfare Services (Cumberland) or the Student Counsellor. While educational issues will be discussed within schools, personal and family issues may also be involved and be equally important. Staff in Student Welfare are available to assist students in clarifying the reasons why changes in their academic programs may be necessary, especially where these are related to illness or misadventure, and in effective planning to overcome such difficulties.

Variation of enrolment

Variation of enrolment refers to the addition and/or discontinuation of units and requires the approval of the Faculty.

Students must complete the 'Application for Variation of Units of Study' form, available from Student Administration (Cumberland) or on the Web site www.fhs.usyd.edu.au/study/forms.htm, and return it to the Head, Student Administration (Cumberland). The form will not be accepted unless it contains the recommendations and endorsements of the appropriate head of school (or their delegates). Students are responsible for obtaining the necessary recommendation(s)/endorsement(s). Incomplete applications will be returned to the student.

Application for variation to the Higher Education Contribution Scheme (HECS) liability must be lodged by 31 March in first semester or by 31 August in second semester. If the addition of any units is requested and approved after these dates, the student is required to discharge the increased liability on the same basis that the original HECS liability was to be discharged, that is by either an 'up-front' payment or a 'deferred' payment. If discontinuation of any unit is requested after these dates, no refund of payments nor reduction of deferred liability will occur.

The schedule of results to be recorded for discontinued units of study appears on page ii of this handbook.

If a student discontinues a unit after the above dates and produces appropriate evidence with the application that discontinuation was due to serious illness or misadventure, the Faculty may deem the unit to be 'discontinued -not to count as failure'.

Students should re-enrol in discontinued units or their equivalent at the next available opportunity.

Enrolment restrictions

Under the provisions of the Faculty Resolutions (2002), except with the express permission of the Dean, a student may not enrol in units of study with a total value of more than 28 credit points in any one semester.

Leave of Absence

Leave of Absence for a specific period may be granted by the Faculty to students in special circumstances. Leave of Absence is normally granted for one or two semesters but, in exceptional circumstances, up to two years leave may be granted. Leave is normally granted to the commencement of a semester.

Students returning from a Leave of Absence will re-enrol in all incomplete required units, or their nearest equivalent.

Students applying for Leave of Absence must complete an 'Application for Leave of Absence' form available from Student Administration (Cumberland) or on the Web site www.fhs.usyd.edu.au/study/forms.htm, and forward it to Student Administration (Cumberland). The form will not be accepted unless it contains the recommendation(s) of the appropriate head(s) of school (or their delegates). The application must detail the reasons why such leave is sought and documentary evidence in support of the application must be attached to it. An incomplete application form will be returned to the student originating it.

Applications for Leave of Absence should be submitted prior to the census date for the Semester (31 March or 31 August) to remove the HECS or course fee liability for the semester. Refer to the 'Fees and charges' section of this Handbook for details of refund policies.

Special leave

Special leave may be granted by the head of school for a period of time (usually not exceeding two months) during the current year of a student's course. Such leave will be granted only if all studies/assessments can be completed in the current year to the satisfaction of the appropriate school, otherwise the student should apply for Leave of Absence (see above).

Students seeking Special Leave must apply in writing to their head of school. Students who are granted Special Leave will be regarded as continuing in their currently enrolled units.

Discontinuation of studies

Discontinuation of Studies refers to the formal abandonment of a course of study after enrolment.

Students applying to discontinue their studies must complete an 'Application for Discontinuation of Studies' form, available from Student Administration (Cumberland) or on the Web site www.fhs.usyd.edu.au/study/forms.htm, and return it to Student Administration (Cumberland). Forms will not be accepted unless they contain the recommendations and endorsements of the appropriate heads of schools (or their delegates) and other Cumberland campus staff. Incomplete application forms will be returned to the student.

Unless applications are lodged before 31 March (in First semester) or 31 August (in Second semester), the student will incur a Higher Education Contribution or course fees liability for the semester.

The schedule of results to be recorded for discontinued units of study appears on page ii of this Handbook.

If a student discontinues after the prescribed dates and produces appropriate evidence with the application to verify that discontinuation was due to serious illness or misadventure, the Faculty may approve all units to be endorsed DNF 'Discontinued - not to count as failure'.

Upon discontinuation of studies, some refund of Student Guild Fees may be possible (refer to the section on Fees and Charges + Refund of Fees).

Students who abandon their course after enrolment/re-enrolment and neglect to formally discontinue (that is, 'dropping-out') will be deemed to have failed all units in which they are enrolled and will be ineligible for any refund of fees.

Re-admission after discontinuation or abandonment of course

Students who discontinue or abandon a course lose their status as registered students of the University. Any subsequent application for re-admission to the course from which they discontinued must be lodged through UAC by the advertised closing date. Such an application will be considered with all other applications received that year for that course.

Course transfers

Currently enrolled students who wish to transfer to another undergraduate course in the University must apply through the Universities Admissions Centre (UAC), in accordance with the instructions set out in the UAC Guide, or on the Web site, www.uac.edu.au. These applications will be considered along with all other applications in the current year for the chosen course. No preference will be given to students already enrolled at the University. If the student has completed one full-time year of study their application will be considered on the basis of their tertiary and secondary record and any other course-specific criteria. If a student commences a course of study at the University of Sydney (or elsewhere), but does not complete one full-time year, they will be selected on the basis of their UAI.

■ Examinations and assessment

General

The term 'assessment' shall include any assessment or examination conducted by the Faculty. Assessments may take the form of written assignments or examinations, as well as practical and oral assessments.

Assessments are conducted throughout the semester, as well as during approved assessment periods.

Attendance at assessments

It is the individual student's responsibility to be available for all assessments. Students who intend travelling away from Sydney should ensure that they are able to return in time to undertake an assessment including Further Testing at the time and place set down. The time or place for an assessment will not be altered to accommodate students who are unable to attend.

Candidates are required to be present at the correct time and place. Misreading or misunderstanding of the time and/or the location of an assessment will not be accepted as a reason for failure to attend an assessment. Non-attendance on these or any other grounds insufficient to claim illness or misadventure will result in forfeiture of marks associated with the assessment.

In certain circumstances, a student may be permitted to take examinations overseas, generally at a nominated university. These circumstances usually relate to travel for study purposes or for experience directly connected with studies approved by a school or department. It is the responsibility of the student to obtain the approval of the Head of School through Student Administration (Cumberland) before proceeding overseas. A fee for administration costs will be applicable for this service, payable by the student.

Approved assessment periods

Approved assessment periods shall include assessment conducted in the traditional Week 15 and 16 assessment period and Further Testing as scheduled.

Completion of assessment requirements

Incomplete results will normally be converted to an AF (absent fail) result at the end of week 3 in the following semester.

Assessment timetables

Provisional and Final Timetables for assessments scheduled in Weeks 15 and 16 of a semester will be displayed on the Official Notice Board, outside Student Administration (A Block) and via the web link on Cumberland campus.

Candidates are required to notify Student Administration (Cumberland) in writing of any clashes apparent in the provisional timetable. It is the responsibility of the candidates to ascertain the time and place of the examination from the final timetable. Information concerning timetables will not be given by phone. Any amendments to the final timetable will be notified on official notice boards on Cumberland campus only.

Rules of conduct of written examinations

Candidates will be admitted to the examination room ten minutes before the scheduled examination commencement time. During examinations in Weeks 15 and 16, candidates must sit in their allocated seat number. During this period candidates must complete the following:

a) *Attendance form* to be completed for each examination and placed on the top left hand corner of the desk for collection, immediately writing time commences. ID cards are to be placed on top of the attendance form.
b) *Answer booklets, answer sheets, question papers* title pages and identification details are to be completed during this ten-minute period and, when necessary, during the actual writing time set down for the paper.

Writing will not be permitted during the scheduled reading time, nor after completion of the actual examination times, nor at any other times prescribed by the Presiding Officer.

No candidate will be admitted to the examination room after 30 minutes of the examination writing period has elapsed nor will any candidate be permitted to leave the examination room within 30 minutes of the examination writing period.

No candidate shall be permitted to leave the examination room during the last ten (10) minutes of the assessment.

No material, except pen, pencil, ink, ruler and eraser may be taken into the examination room, unless instructions to the contrary are given. Candidates should be equipped with a ball point pen, black lead (B) pencils, and an eraser. Other materials; such as notes, books and papers, which may be used for benefit by a candidate, will not be permitted into the examination room, unless instructions to the contrary are given.

Candidates must answer the examination in the booklet or answer sheet provided and should only write answers on the ruled pages of the answer booklet. No talking is allowed in the examination room. Should material or information be required the raising of the hand will secure the attention of a supervisor.

A warning will be given ten minutes before the time for the completion of the examination. When that time elapses, candidates must immediately cease writing.

The title page of each booklet must be fully completed by the candidate. The booklets should be submitted as directed by the Presiding Officer. No paper, with the exception of the question paper where permitted, may be taken from the examination room. In the case of an objective test or completion-type test, both the question paper and the answer sheet must remain in the examination room.

Candidates are not permitted to take bags, briefcases, folders, umbrellas, hats, mobile phones, pagers, etc., into the examination room except with the express approval of the Presiding Officer. All candidates are required to place all their bags in Tl 10, which is the designated venue that all bags must be placed during all formal examinations. Small money purses only may be taken into the room, however, they must be placed on the floor. In exceptional circumstances, and only with the express permission of the Presiding Officer, other articles may be brought into the examination room, and must be placed on the floor. Students should note that The University of Sydney and the Faculty of Health Sciences take no responsibility for items left behind after or during the examination. Students should therefore take care to ensure all items left with the Presiding Officer, or on the floor or in the designated bag room (T110) are collected prior to leaving the examination..

Smoking or eating will not be permitted in the examination room nor will candidates be permitted to leave the room to smoke or eat.

Note: Failure to comply with any of the above rules may necessitate disciplinary action by the University.

Reading time

Reading time of ten minutes prior to the commencement of a written assessment may be allowed at the discretion of the examiner.

Conduct of candidates

Candidates Shall not, by any improper means, obtain or endeavour to obtain assistance in their work, or endeavour to give assistance to any other candidate.

Candidates shall not behave in such a way as will interfere with another candidate's right to undertake an assessment. Candidates shall not do anything designed to disadvantage other candidates during an assessment.

Misconduct in an assessment will be dealt with under the rules of the Faculty and the Statutes of The University of Sydney.

Special consideration

Occasionally, a student's performance in an assessment may be prejudiced by illness or misadventure. To apply for Special Consideration to be given in such a circumstance, students should obtain an Application for Special Consideration from the Student Enquiries Counter in A Block and the required documentation to support the application. The rules governing completion of the form and the requirements concerning supporting information are printed on the back of the form.

In general, the form, together with appropriate original documentation, should be lodged within one week of the assessment/examination period, unless circumstances beyond the student's control prevent it.

Disability

Candidates with a disability which puts them at a disadvantage in assessments may apply to Student Administration (Cumberland) prior to the assessment period for special provisions when the assessments are taken. It is advisable also to notify the Disability Services Officer (02) 9351 9081. Students may be required to support their request with medical evidence.

Common result grades 2003

Please note: All of these grades are available for use by examiners and markers, however, different schools may choose not to use all of them.

HD - High Distinction, 85+

Indicates an outstanding level of achievement.

D-Distinction, 75-84

Indicates an excellent level of achievement.

CR-Credit, 65-74

Indicates an above average level of achievement.

P- Pass, 50-64

Indicates an acceptable level of achievement.

if - *Satisfied requirements, no mark or (50+for partial exemption only)*

This is used in pass/fail only outcomes. Can be awarded for clinical or group work. Can be awarded when a student is given partial exemption in a unit of study. In this case a mark may or may not be given. Used for Research Thesis for PhD & HScD.

AS -Advanced Standing, no mark

Indicates the awarding of credit transfer in the unit of study

UCN- Unit of study continuing, no mark interim grade

Used at the end of a semester for units of study which 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 UoS. This could be used in clinical units of study which are conducted out of semester time. To be used when a research thesis has been submitted for examination and during the examination process, until the final result is resolved

PCON- Pass (Concessional), 46-49

In order to be eligible for graduation, no more than 10% of total credit points for a course can be made up from PCON results. If a student has been awarded more than 10% of PCON results for a course, the student must elect to reenrol in any unit(s) of study, for which a PCON result has been awarded and achieve a Pass grade or above in order to reduce the total credit points with PCON results to the required 10%. Use of this grade is restricted to those courses which allow for a Concessional Pass of some kind to be awarded.

INC - Incomplete, no mark

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 (1) 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 'Examination and Assessment Procedures'; or
- automatically to an AF grade by the end of the third week of the immediately subsequent academic session

MINC - Incomplete with a mark of at least 50

This result may be used when examiners have grounds (such as illness and misadventure) for seeking further information or for considering additional work from the student before confirming the final mark and passing grade. Except in special cases approved by the Academic Board (1), this result will be converted to a normal passing mark and 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 the indicated mark and grade by the end of the third week of the immediately subsequent academic session

F- Fail, 0-49

The student's performance did not reach the acceptable level for overall performance. Can be used for a research thesis that has been marked unsatisfactory.

AF - Absent Fail, no mark

Includes non submission of compulsory work. For non attendance at compulsory classes; failure to attend a compulsory examination. This result will appear as an absent fail on student transcripts. It indicates that students have failed to complete all compulsory components of a course

W- Withdrawn, no mark

This is the result that obtains where a student discontinues a unit of study before the HECS census date - ie, 31 March (semester 1) 31 August (semester 2). Not recorded on external transcript.

DNF - Discontinued - not to count as failure, no mark

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. Recorded on external transcript. This provision can be available all year round but on the following condition: the student will not receive a HECS/Course fee refund, but their academic record will reflect no penalty.

DF -Discontinued- fail, no mark

This applies from the time DNF ceases to be automatically available up to the cessation of classes for the unit of study. Recorded on transcript.

Common result grades policy - special cases

At the meeting of 13 October 1999 the University of Sydney Academic Board approved the following footnotes to the Common Result Grades Policy.

Incomplete units of study

Where an INC grade arises because all or most of the students in a Unit of Study have not completed the requirements of the Unit, the grade will be converted to UCN **on the advice of the relevant Dean.** The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of the semester (eg, Honours). Head(s) of Schools are encouraged to return UCN and **not** INC for students in such extended Units of Study. Deans are asked to avoid approving the use of UCN to deal with late results from a completed Unit of Study.

Students with incomplete results

Deans are authorised to approve the extension of a MINC/INC grade for individual students having a valid reason for their incomplete status.

Undergraduate Honours only

HIM - Honours First Class with University Medal, > 90 (Nominated)
HI - Honours First Class, 80-100
H21 - Honours Second Class Division 1, 75-79
H22 - Honours Second Class Division 2,70-74
H3 - Honours Third Class, 65-69
Not awarded, 0-64

Recording of results prior to 2001

Students' results will be recorded using the following grades:

HD - High Distinction

indicates an outstanding level of achievement

D - Distinction

indicates an excellent level of achievement

CR-Credit

indicates an above average level of achievement

P-Pass

indicates an acceptable level of achievement

TP — Terminating Pass
indicates an acceptable level of achievement in an Honours unit when the student is transferring to the associated Pass program
I-Assessment Incomplete
indicates assessment in the unit is yet to be completed
AS - Advanced standing
indicates the awarding of credit transfer in the unit of study
X - Fail with Post granted
indicates the student's performance did not reach the acceptable level of achievement but was deemed to be of sufficient merit to warrant further assessment
F-Fail
indicates failure to achieve the required standard of achievement
DA - Deferred Assessment
final assessment has been deferred because of misadventure or illness
WO - Discontinued without failure
permitted to discontinue unit without failure
WF - Discontinued with failure
discontinued unit with failure
SC - Subject Carried
Unit of study carried into a later semester/year of the course
ZP - Pass on Pass/Fail basis
Pass granted
CP - Conceded Pass
Indicates the student's performance did not reach the required level of achievement in the unit but was deemed acceptable given the student's overall performance
V- Interim Result
Student has submitted a thesis/treatise which is under examination

Notification of results

Results for terminating units will be formally released by the Examinations Branch as follows:
End of First semester
Units that, according to the Faculty Handbook, are presented only in First semester.
End of Second semester
Units that, according to the Faculty Handbook, are presented either in Second semester only or are presented over both First and Second semesters.

Student records

Student records are issued with the authority of the Registrar by Student Administration (Cumberland). Student records shall include:
- end-of-semester Assessment Result Notices;
- transcripts of Academic Records;
- any other student records approved by the Head, Student Administration (Cumberland).

Transcripts of academic records are available to:
- individual students, upon written request;
- third parties, upon receipt of a written authority of the student; institutions or organisations approved by the Head, Student Administration (Cumberland) from time to time.

At graduation two transcripts will be issued free of charge. On other occasions, the issue of two transcripts costs $11.

Availability of results for terminating units

Results will be made available to students as follows:

1. Public display of results

Results will be displayed on the day and at the places as notified on the official notice boards.

Results will be displayed using the student identity number only.

Students may exercise the option not to have their results displayed in this fashion by completing the appropriate form available from the student enquiry counter.

2. Individual result notices

Individual result notices will be mailed to the student's last advised home address on the date notified on the Official Notice Boards.

The result notice will show the final mark and grade for each relevant unit. Details of the assessment procedures used to determine the final result are available from the school presenting the unit.

The relationship of grades to percentage marks is as follows:

High Distinction: 85-100%
Distinction: 75-84%
Credit: 65-74%
Pass: 50-64%
Fail: below 50%

It is important to note that the University does not use a set formula for determining the number of specific examination grades to be awarded in particular units. The proportions of merit grades may vary from unit to unit and from year to year, reflecting different capabilities of different groups.
Special notes
- No results will be given by phone.
- It is the student's responsibility to ascertain assessment results.
- Advice of a change of address will not be accepted unless in writing and with the student's signature. Preferably, the Change of Address/Name form should be used. Only students with an overseas home address who are not returning to their country of origin between semesters, will be permitted to change to their semester address for receipt of result notices.
- Failure to advise the Examinations Branch of the address to which the results are to be sent, and/or absence overseas, on holidays, or because of work or course commitments, will not be accepted as an excuse for non-receipt of assessment results. Further, the University will presume that each and every result notice lodged with Australia Post has been delivered no later than seven (7) days after the date of posting, as notified on official notice boards.
- Students who have not received their results within seven (7) days of posting therefore, are responsible for contacting Student Administration (Cumberland) and arranging for a copy of the result notice to be posted.

Review of results in a completed unit

Final results in a completed unit may be reviewed on request by students. Such a review will consist primarily in ensuring that all submissions in relation to a grade have been accounted for and that the total of all marks awarded is correct.

Applications for the review must be submitted in writing to Head of School, within fourteen days of the date on which the results in question have been released.

Students dissatisfied with the outcome of a review of their result may choose to appeal the result by using the procedures approved in the Faculty for an Appeal against an Academic Decision.

Appeals against an academic decision

The Resolutions of Senate and Academic Board governing appeals against Academic Decisions clearly outlines the circumstances by which a student may appeal against an academic decision, and the appeals process that must be followed by all parties in order to resolve any subsequent dispute. The Faculty of Health Sciences has established procedures whereby a student may appeal against an academic decision. In the first instance students should seek a response from the staff member concerned, or the unit of study or course coordinator. This should be done within 3 months of the date of the academic decision. If not satisfied, the student should seek an interview with the Head of School to discuss the matter. Appeals to the Head of School should be-made within 15 (fifteen) working days of the date of the response from the staff member concerned or unit of study coordinator. If not satisfied with the response from the school, the student may appeal to the Dean within 15 (fifteen) working days of the date of the Head of School's response. The matter should normally be dealt with by the Dean or nominee within 10 working days. Information on these procedures can be obtained from the Head, Student Administration (Cumberland). While the application of these procedures usually relates to assessment matters, this is not the only area in which an appeal may be initiated. If a student wishes to formally initiate an appeal against an academic decision, advice may be sought from the Resource Officer of the Cumberland Student Guild, the Head, Student Welfare Services (Cumberland).

Progression

To satisfy the academic requirement for a University award, students must obtain a passing grade in all units of study in their courses.

Students must repeat failed units of study or their equivalent at the first opportunity and will be permitted to progress to the next semester in addition to repeating failed units of study, providing course requirements, including any corequisites, prerequisites and attendance requirements, can be met. School Academic Advisors may prescribe the program of study for students repeating failed units of study (taking account of load, precedence for repetition of failed units of study, and timetable difficulties). Repeating failed units of study will take precedence over enrolling in next semester units.

Students who do not follow normal progression in clinical education units of study may be required to undertake additional clinical education components to demonstrate skill maintenance at a level which satisfies the Head of School. Successful completion of such additional components will be a prerequisite to enrolment in the subsequent level of clinical education study.

*Progression **and** show cause*

1. Under the Resolutions of the Senate, the Faculty is authorised to require a student to show good cause why he or she should be allowed to repeat any unit in which he or she has failed or discontinued (with failure) more than once.
2. Moreover, a student may be required to show good cause why he or she should be allowed to re-enrol in a course in the Faculty if, in the opinion of the Faculty, he or she has not made satisfactory progress towards fulfilling the requirements for that course.
3. While satisfactory progress cannot be defined in all cases in advance, a student who has failed a unit of study twice (or more), or who has not successfully completed all first year course requirements within two years (except for students with permission to enrol in the course on less than a full-time basis when the requirement refers to those units in the approved first year enrolment - see 4) and students who have failed or withdrawn with failure in two or more subjects in an academic year shall be deemed not to have made satisfactory progress.
4. For students who have not demonstrated satisfactory progress, who are enrolled though the Cadigal program at Cumberland Campus progress will be reviewed by the Head (or nominee) of the School in which the student is enrolled and the Head of School (or nominee) of the School of Indigenous Health Studies (Yooroang Garang). Cadigal program students are permitted to complete the first year of enrolment over two years. A student who has not completed the first year requirements within three years or who has failed or withdrawn with failure in three or more subjects in an academic year shall be deemed not to have made satisfactory progress.

Notification of show cause/pending exclusion

Students who have failed to demonstrate satisfactory progress, shall be initially prompted, but not necessarily be placed on show cause, by a message on their Assessment Notice. Students required to show cause will receive written notification from the Faculty advising them that they have been placed on show cause and provided with instructions on how to respond. Alternatively, the student may receive a letter of advice from the Faculty concerning the need for improved progress. Letters will be sent to the student's recorded address - the student is responsible for keeping this address up-to-date. Show Cause letters will be sent by registered mail requiring the student to submit a written show cause submission. Students placed on Show Cause will be advised that they are permitted to re-enrol and/or continue enrolment until the final decision has been taken.

Students who fail to submit the show cause application by the due date will be automatically excluded. This letter will be copied to the School. The student will cease attendance at classes.

Showing good cause

Students so notified of pending exclusion may exercise the right to show good cause why they should be permitted to re-enrol. While it is not possible to define in advance all the reasons relevant to showing good cause against exclusion, good cause means circumstances beyond the reasonable control of the student which may include serious ill health or misadventure (properly attested), but does not include demands of employers, pressures 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 also take into account a student's general record in other courses or units of study, undertaken either within the University or at other institutions. Apart from demonstrating the reasons for not making satisfactory progress, students are required to indicate why they would be successful if permitted to re-enrol and what steps have been taken to resolve the preceding issues.

The Show Cause Committee will consider written advice from the Head of School and from the student concerning these two factors:

- Circumstances which led to the student's unsatisfactory performance
- Circumstances/actions which would prevent/resolve the student's difficulties in progression.

The Show Cause Committee will consider these two factors as well as previous show cause situations and actions taken (including school advice letters or show cause meeting reviews). The Committee may find that the student should be excluded from a course if the student has previously been on 'show cause' for essentially the same reasons, and the Committee believes that there has been little evidence of change in the student's behaviour or situation.

The Show Cause Committee will normally invite the relevant Head of School (or in the case of students enrolled in the Cadigal program the Head of School and the Head of Yooroang Garang or nominee) and the student to be in attendance at the Show Course Committee meeting.

After the Show Cause Committee meets:

- The decision of the Committee is conveyed to the student and Head of School in writing.
- A summary of the decisions of the Show Cause Committee (which does not identify students or schools) is presented to the next meeting of Faculty.

Re-enrolment after show cause

After the Show Cause meeting, in cases where the Faculty permits the re-enrolment of a student placed on Show Cause, the Faculty may require the completion of specified units of study in a specified time, and if the student does not comply with these conditions the student may again be called upon to show good cause why he or she should be allowed to re-enrol in the Faculty of Health Sciences.

Exclusion

Students will be automatically excluded if they do not submit a 'show cause' response. Students excluded from an award course may not enrol as miscellaneous students in units of study which may be counted towards any such course.

A decision to exclude a student from a course means an exclusion for two academic years. After two academic years, a student can reapply for admission to the course from which he or she was previously excluded. There is no guarantee of re-admission.

Appeals against exclusion

A student notified of a decision by the Faculty, to exclude them from re-enrolling in a course and/or unit(s) may appeal to the Senate's Student Appeals Committee (Exclusion and Re-admissions) by following the procedures set down in the University's Calendar.

The first step is to appeal to the Dean. A student can appeal to the Dean within two weeks of the Show Cause Committee's determination, provided that the appeal contains new information not available to the Show Cause Committee, or that the student can show that due process has not been followed.

The effect of the Faculty's exclusion decision will commence either (a) when the period in which an appeal to the Senate has expired and the student has not lodged an appeal, or (b), in the event that the student appeals to the Senate within the prescribed period, the date on which the Senate's Appeals Committee rejects the appeal. Until the effect of the exclusion decision applies, the student is permitted to continue in all units in which the student is eligible to be enrolled.

Re-admission after exclusion

An excluded student may apply for re-admission after two academic years. Students who are excluded from a course lose their status as registered students of the Faculty. Any subsequent application of re-admission to a course must be lodged with Student Administration (Cumberland) by 1 December of the year preceding the year of proposed re-admission. The application must include information indicating a readiness to return to

tertiary study and will be considered in the light of all other applications received that year for that course.

■ Relevant University policies and procedures

Occupational Health and Safety Policies

The University is concerned for the health and safety of students, staff and visitors, and makes every effort to prevent exposures to hazardous situations. The University has a range of occupational health and safety policies and guidelines which you can refer to for assistance. These, as well as useful links to other health and safety information sources, can be found on the Web site www.usyd.edu.au/su/ohs/policy/policy.html.

The University of Sydney (Coursework) Rule 2000

An Acrobat PDF file of the 'University of Sydney (Coursework) Rule 2000' information can be found on the Web at policy.rms.usyd.edu.au/000005d.pdf.

The Management and Evaluation of Teaching

An Acrobat PDF file of the 'Management and Evaluation of Coursework Teaching: Code of Practice for Coursework Teaching and Learning' information can be found on the Web at policy.rms.usyd.edu.au/000001y.pdf.

■ Other regulations

Conduct

Acceptance as a student in the Faculty implies an undertaking on the part of the student to observe the resolutions and rules of the Faculty and Statutes of The University of Sydney. Students are expected to conduct themselves in an acceptable manner. Smoking, eating, drinking, and use of mobile phones are not permitted during lectures, tutorials, clinical sessions, examinations or in the Health Sciences Library.

Members of the staff on the Cumberland campus, both academic and non-teaching, have a responsibility to maintain orderly and acceptable conduct and to report any breach of regulations occurring on the campus.

Misconduct on the Cumberland campus will be dealt with under the rules of the Faculty and the Statutes of The University of Sydney.

Attendance at classes

It is expected that students will attend classes as required by the unit coordinator. A student who has not satisfied the attendance requirements for a unit laid down by the school in which the unit is offered may be refused permission to be considered for assessment or to sit for an assessment in that unit.

In the case of protracted illness or of absence arising from some other unavoidable cause, a student on presentation of appropriate documentation may be excused from attendance at classes by the head of school or centre for a period not exceeding two months in any one year. In the case of absences in excess of two months, students must apply for Leave of Absence.

Insurance

Please refer to the chapter on Clinical Education for information oninsurance.

Course work

Assignments, class exercises, practical work and other set work regarded as course requirements, will be assessed and will be included in the overall assessment of students at the conclusion of each assessment period. The relative weighting of components of the overall assessment will be the responsibility of the teaching school.

Failure to complete assignments, class exercises or other set work will mean that the student may not be eligible for a passing grade in the unit concerned.

The Faculty reserves the right to retain at its own discretion a copy of any essay, thesis, or other work executed by students as part of their courses, or submitted for any award or competition conducted by the University.

Access to buildings after hours

Approval for after hours access to buildings must be obtained from the relevant head of school or centre.

5 Fees, charges and financial support

■ Fees and charges

1. Higher Education Contribution Scheme (HECS) .

The Australian Government requires most students in higher education courses to contribute to the cost of their education. To be exempt from payment of the contribution a student must:

- be a fee paying local undergraduate student;
- be undertaking a postgraduate course for which fees are charged in accordance with Commonwealth guidelines;
- be a fee paying overseas student but not sponsored under a foreign aid program;
- be otherwise subject to the Overseas Student Charge arrangements;
- be a fee paying overseas student sponsored under a foreign aid program;
- be enrolled in a recognised bridging or supplementary course which does not lead to an award;
- be enrolled in a course/place fully funded by an employer;
- be enrolled in a recognised non-award course;
- have an Australian postgraduate award (without stipend);

Further information about HECS is given in the booklet HECS - Your Questions Answered 2003 issued at enrolment and also available from Student Administration (Cumberland), or the HECS Enquiry Line phone 1800 020 108, or on the HECS Web site, www.hecs.gov.au.

Most undergraduate units of study taught in the Faculty of Health Sciences attract HECS at the Band 2 rate of $5242 per annum (2003). The major exceptions are units taught by the School of Behavioural and Community Health Sciences, and Leisure and Health units which attract the Band 1 HECS charge of $3680 per annum (2003). For part-time students a pro-rata amount will apply according to the actual proportion of the equivalent full-time load being undertaken.

The amount calculated at enrolment/re-enrolment is an estimate of the required contribution. The exact amount of the contribution will be calculated as at the census date in each semester (31 March in First semester and 31 August in Second semester), taking account of any amendments made to the student's enrolment. A final Enrolment Confirmation will be sent to every enrolled student after the census date in each semester setting out current HECS payment mode, the course load, the amount of contribution required for the semester, the amount paid thus far and the amount still to be paid or any refund due.

Payment of the contribution may be made in two ways (outlined below) and the mode of payment may be varied from semester to semester. New students will be required to make an initial choice of mode of payment when they first enrol and this will be taken to indicate the preferred mode for future payments. It will be assumed that continuing students will maintain the previously selected mode of payment, although they may apply to vary their mode.

***'Up-Front'Payment** of HECS*

This mode permits a student to pay an annual amount equal to 75 per cent of the estimated full contribution for each semester, before the census date in each semester. The amount must be paid either as a lump sum or in two parts, with the first part being at least 50 per cent of the required payment and the balance paid before the census date.

Students who choose the up-front payment option who fail to complete payment by the nominated date may change to the 'deferred' payment option. If they have supplied their Tax File Number the University will record them as having deferred payment of any outstanding amount.

If they have not supplied their Tax File Number and have not paid in full, their enrolment will be cancelled.

***'Deferred' Payment of** HECS*

This mode permits a student to defer all or part of the full contribution for the semester. No repayment is required until the taxable income of the student reaches a minimum threshold level. Choice of this mode requires a student to provide their tax file number at enrolment/re-enrolment The minimum partial payment which can be made is $500. Students also have the option of a partial up-front payment of at least $500 and may defer the balance. The partial up-front payment will attract the 25% discount. Students deferring all or part of their HECS liability must supply their tax file number, or their enrolment will be cancelled.

2. Course fees (fee-paying undergraduate places)

The Faculty offers a limited number of fee-paying places in undergraduate courses.

Students who are admitted as fee-paying undergraduate students are exempt from paying HECS.

The fees will be levied by semester of enrolment' and will be due for payment by the same dates as 'up-front' HECS payments. The course fee in 2003 is $15,750 per year.

3. Compulsory Student Guild fees

All students on the Cumberland campus are required, as a condition of their enrolment, to become members of the Cumberland Student Guild and other student bodies at The University of Sydney.

Note

a) Exemptions from being a member or paying subscriptions may be granted on certain grounds specified in The University of Sydney Calendar. Students granted exemption on grounds of conscience will have their membership fee transferred to the Jean D Foley Bursary Fund.

b) Students enrolling for one semester only pay a reduced fee.

*Extension **of** time **for payment***

Students suffering financial hardship, who are also deferring their HECS or local postgraduate fee (under PELS) to the taxation system in full, may apply to the Head, Student Administration, on or before the prescribed date for payment, for an extension of time to pay their compulsory subscriptions (no extension of time for any fees owing will be given to students paying their HECS or local postgraduate fees upfront, either in full or in part in the case of local fees). Students enrolling prior to the commencement of the first semester may be given a 28 day extension to pay compulsory subscriptions, this 28 day extension will apply from the original due date for payment. If no payment is received by the end of that period the following sanctions will be applied progressively: withdrawal of library borrowing privileges; withdrawal of access to examination results and academic transcripts; barriers to enrolment in subsequent years, and, should they complete their award course in the year of indebtedness, they will be permitted to graduate but their testamur and transcript will be withheld.

In the case of students enrolling after the commencement of the First semester an extension of 14 days may be given for the payment of compulsory subscriptions, subject to the provisions above.

In the case of students pre-enrolling, the same financial hardship provisions as described above apply.

4. Notes and manuals

Schools publish manuals for many units of study, ranging in cost from $2 to $30 (in 2002). Purchase of manuals is optional, but highly recommended. Copies of manuals are available in the Library's Closed Reserve, and in some cases on the Internet.

Notes/manuals will be sold in the foyer of E Block during the first week of semester.

Students in some courses are required to pay a fee for use of equipment or supply of materials used in tuition.

5. Continuing international students

Fees for First semester must be paid by 15 January 2003. Fees for Second semester must be paid by 30 June 2003.

6. Failure to meet financial liabilities

Students who are financially indebted to the University and have not made acceptable arrangements for settlement of their obligations will not be entitled to use the University's facilities and their enrolment may be cancelled. They will not be permitted to register for a further semester, to attend classes or examinations, or to be granted any official credentials. Cancellation of enrolment applies if any portion of fees or the supply of a required tax file number is outstanding at the census date in the relevant semester, that is, 31 March in First semester and 31 August in Second semester. Reinstatement of enrolment, if approved, may require payment of a $100 fee.

7. Refund policy

Refund of Student Guild fees

a) If written notice of leave of absence or discontinuation of a course is received by 31 March (or 31 August for students who commence in second semester), all Student Guild Fees paid will be refunded.
b) If an application for leave of absence or discontinuation of studies is received by 31 August for students who enrolled or re-enrolled in first semester, a partial refund of fees will be paid.
c) After the above dates, students who take leave of absence, formally discontinue or vary their course of study and consider themselves eligible for a refund of all or part of fees paid to the student organisations, may write to the General Manager of the Cumberland Student Guild detailing their

Refund of HECS

If an application for variation of units of study, leave of absence, or discontinuation of studies is received by Student Administration by 31 March (First semester) or 31 August (Second semester) the student's HECS liability for the semester will be adjusted. An Enrolment Confirmation/Tax Invoice (revised), or letter confirming the leave of absence or discontinuation, will be forwarded, to the student and any refund due will be processed shortly after the notice is issued.
After the above dates, students requesting a refund of fees or contributions due to special circumstances should obtain the relevant application form from Student Administration (Cumberland). The application should detail fully the grounds upon which the request is based, and should include supporting documentation. Applications should be made by the end of the semester in which the student was enrolled.

Refund of course tuition fees

Students who withdraw or take leave of absence before the census date of 31 March (First semester) or 31 August (Second semester), will be reimbursed in full for the current semester. Beyond the census date for each semester, no refund will be made.

■ Prizes and scholarships

The University acknowledges with gratitude gifts from various sources which have made possible the prizes listed in the table below.

Undergraduate and postgraduate prizes and awards

Award or prize	Value	Criteria
School of Applied Vision Sciences		
The John Pockley/Patricia Lance Prize	*$100*	Awarded to the student with the highest general proficiency demonstrated in the Bachelor of Applied Science (Orthoptics) course.
The Orthoptic Association of Australia, NSW Branch Prize	*$150*	Awarded to an honours student with the highest marks for a report in the Bachelor of Applied Science (Orthoptics) Honours course.
School of Behavioural and Community Health Sciences		
The Australian Society of Rehabilitation Counsellors, NSW Branch, Undergraduate Prize	5200 *& $50 ASORC credit* ***voucher***	Awarded to the most proficient graduate in the B achelor of Health Science (Rehabilitation Counselling) course.
The Australian Society of Rehabilitation Counsellors, NSW Branch, Postgraduate Prize	*$200 & $50 ASORC* ***credit voucher***	Awarded to a graduating student with the highest general proficiency demonstrated in a postgraduate coursework program in Rehabilitation Counselling.
The ICLA Mental Healm Rehabilitation Award	*$400*	Awarded annually to a third or fourth year student enrolled in the Bachelor of Health Science (Rehabilitation Counselling) course who demonstrates exemplary work in their studies of the unit Psychiatric Rehabilitation and has maintained a high standard of scholarship throughout their studies.
School of Communication Sciences and Disorders		
The NSW Branch of the Speech Pathology Association of Australia Prize	5200	Awarded to the student with the highest general proficiency in the final year of the Bachelor of Applied Science (Speech Pathology) course.
The Private Speech Pathologists' Association of NSW Prize	*$100*	Awarded to the student with the greatest clinical proficiency during the final two years of the Bachelor of Applied Science (SpeechPathology)
The Private Speech Pathologists' Association of New South Wales Masters' Thesis Prize	*$100*	Awarded to a student for a Masters' thesis of outstanding merit in the School of Communication Sciences and Disorders.
School of Exercise and Sport Science		
The Gatorade Prize	*$250*	Awarded to the third year student with the highest aggregate marks in the units Biochemistry of Exercise, Exercise Physiology I, II and III in the Bachelor of Applied Science (Exercise and Sport Science) course.
The NSW Institute of Sport Prize	5250	Awarded to the third year student with the highest aggregate marks in the units Quantitative Biomechanics, Sports Biomechanics I and II in the Bachelor of Applied Science (Exercise and Sport Science) course.
The Sports Medicine Australia (NSW) Prize	*$100**	Awarded to the third year student with the highest aggregate marks in the Bachelor of Applied Science (Exercise and Sport Science) course. Those continuing to Honours are eligible. (*plus 1 year membership of Sports Medicine Australia)
School of Health Information Management		
The Hilda Roberts Memorial Prize	*$100*	Awarded to the most proficient student on completion of the final year in the Bachelor of Applied Science (Health Information Management) course.
The National Centre for Classification in Health Prize for Clinical Coding	*$100*	Awarded to the student with the highest aggregate mark in the unit Clinical Classification IIIA in the Bachelor of Applied Science (Health Information Management) course.

Undergraduate and postgraduate prizes and awards (continued)

Award or prize	Value	Criteria
The NSW Health Department Clinical Classification Prize	*$200*	Awarded to the student with the highest aggregate marks in the units Clinical Classification IIIA and IIIB in the Bachelor of Applied Science (Health Information Management) course
The NSW Health Department Clinical Classification Master of Health Information Management Prize	*$200*	Awarded to the student with the highest aggregate mark in the units International Disease Classification Systems Management Prize A and B in the Master of Health Information Management course.
School of Medical Radiation Sciences		
Academic Achievement, Year 1, School Award	*$200*	Awarded to the first year student attempting year 1 for the first time and passing all units of study at the first attempt with the highest aggregate marks over all year 1 units in the Bachelor of Applied Science (Medical Radiation Sciences) course. The student gaining this awardis not eligible for the stream award.
Academic Achievement, Year 1, Stream Award	*$100*	Awarded to the first year student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, Radiation Therapy) in the Bachelor of Applied Science (Medical Radiation Sciences) course attempting yearl for the first time and passing all units of study at the first attempt with the highest aggregate mark over all year 1 units.
Academic Achievement, Year 2, School Award	*$200*	Awarded to the second year student attempting year 2 for the first time and passing all units of study at the first attempt with the highest aggregate marks over all year 2 units in the Bachelor of Applied Science (Medical Radiation Sciences) course. The student gaining this award is not eligible for the stream award.
Academic Achievement, Year 2, Stream Award	*$100*	Awarded tothesecondyear student in each discipline stream (Diagnostic Radiography, Nuclear Medicine, Radiation Therapy) in the Bachelor of Applied of Science (Medical Radiation Sciences) course attempting year 2 for the first time and passing all units of study at the first attempt with the highest aggregate mark over all year 2 units.
RadSoft Award for Excellence in Therapy Planning	*$350*	Awarded to the student in any stage of the Radiation Therapy program in the Bachelor of Applied Science (Medical Radiation Sciences) course with excellence in radiation therapy treatment planning.
The Jillian Salter Memorial Award	*$300*	Awarded to a non-metropolitan student with the highest aggregate marks across all second year units of study in the Diagnostic Stream in the Bachelor of Applied Science (Medical Radiation Sciences) course.
The Kodak Award for Excellence	*$200*	Awarded to the student with the highest mark in the assessment of their Honours Thesis in the Bachelor of Applied Science (Medical Radiation Sciences) course.
The Dianne Court Memorial Award for Academic Excellence	*$300*	Awarded to the student with the highest academic excellence in the Graduate Diploma of Health Science (Medical Sonography) course.
The Dianne Court Memorial Award for Clinical Excellence	*$300*	Awarded to the student with the greatest clinical excellence in the Graduate Diploma of Health Science (Medical Sonography) course.
School of Occupation and Leisure Sciences		
Anne Parkinson Memorial Award	*$500*	Awarded to a graduating mature age female student who has accomplished success in the Bachelor of Applied Science (Occupational Therapy) course through a variety of circumstances.
Outstanding Achievement Award in Leisure and Health Studies	*$250*	Awarded to a graduating student, as determined by their peers, who has accomplished success in the Bachelor of Applied Science (Leisure and Health) course through a variety of circumstances.
Outstanding Achievement Award in Occupational Therapy	*$250*	Awarded to a graduating student, as determined by their peers, who has accomplished success in the Bachelor of Applied Science (Occupational Therapy) course through a variety of circumstances.
The Diversional Therapy Association of NSW Prize	*$200*	Awarded to the student with the highest aggregate marks for the units in the Client Groups Strand in the Bachelor of Applied Science (Leisure and Health) course.
The Novartis Pharmaceuticals Prize	*$100*	Awarded to the student with the highest aggregate mark in the units Occupational Role Development I, II and III in the Bachelor of Applied Science (Occupational Therapy) course.
The NSW Association of Occupational Therapists' Prize	*$100*	Awarded to the student with the highest aggregate marks in the units Occupational Therapy Theory and Process IA, IB, IIA, IIB and III in the Bachelor of Applied Science (Occupational Therapy) course.
The Surgical Synergies Prize for Human Occupations	*products to value of $350*	Awarded to the student with the highest aggregate marks in Human Occupations IA, IB, IIA, IIB and III in the Bachelor of Applied Science (Occupational Therapy) course.
School of Physiotherapy		
The Australian Physiomerapy Association Prize	*$250*	Awarded to the most proficient graduate in the Bachelor of Applied Science (Physiotherapy) course
The Australian Physiotherapy Association (Clinical Practice) Prize	*$250*	Awarded to the student exhibiting the highest standard of clinical practice in the Bachelor of Applied Science (Physiotherapy) course.
The Cardiothoracic Prize	*$200*	Awarded to the student exhibiting the highest proficiency in Cardiopulmonary Physiotherapy in the Bachelor of Applied Science (Physiotherapy) course.

Undergraduate and postgraduate prizes and awards (continued)

Award or prize	Value	Criteria
The LifeCare Prize for Excellence in Musculoskeletal Physiotherapy	*$500*	Awarded to a graduating physiotherapy student who has demonstrated excellence in Musculoskeletal Physiotherapy and clinical education Musculoskeletal placements in the Bachelor of Applied Science (Physiotherapy) course.
The Physiotherapy Research Foundation Research Prize	*$100*	Awarded to the student with the highest grade for an Honours Research Thesis in the B achelor of Applied Science (Physiotherapy) Honours course.
The Rosemary E. Wilson Memorial Prize for Caring and Giving	*$100*	Awarded to the student who is judged as having best shown awareness of patients' total needs and real empathy with patients' physical, psychological and emotional needs in the Bachelor of Applied Science (Physiotherapy) course.
The School of Physiotherapy Nominated Prize	*$100*	Awarded to a final year student as determined by their peers who has shown outstanding personal achievement in the Bachelor of Applied Science (Physiotherapy) course.
Faculty awards		
Cumberland Student Guild Graduation Award	*$1,000*	Awarded to the best graduating student on the Cumberland Campus with regard to academic, sporting and voluntary achievements on and off campus

Undergraduate scholarships for continuing students

Scholarships for continuing undergraduate students

The Scholarships are valued at $2000 each and will be awarded on the basis of merit. No application form is required. Faculty will consider all eligible students and make the recommendation on the basis on academic records. Successful students will be notified, in writing, by the end of May.

Honours scholarships

The Scholarships are valued at $2000 each and will be awarded to students enrolling in an honours program that involves an additional year to a normal three year bachelor's degree. Scholarships will generally be awarded on academic merit. Applications forms will be required only for students applying on equity grounds. Successful students will be notified, in writing, by the end of May.

Full fee scholarships

The Scholarships are valued at $4000 each and will be offset against the second semester fees. New fee-paying students will be assessed on the basis of equity. Continuing fee-paying students will be assessed on the basis of equity and academic merit. In 2002, applications closed at the beginning of April. Successful students will be notified, in writing, by the end of May.

Note: Application methods, terms and conditions for Scholarships for Continuing Undergradaute Students, Honours Scholarships and Full Fee Scholarhips may vary each year.

For a full list of scholarships available to undergraduate students, see the University Web site at www.usyd.edu.au/study/scholarships.shtml.

In addition, the Cumberland Student Guild has nineteen (19) undergraduate scholarships worth up to $3,000 each for new and continuing students studying at the Cumberland Campus. Scholarships include:

- President's Scholarship valued in excess of $3,000
- Cumberland Sports Scholarship valued in excess of $2,200
- Ten Academic School Scholarships valued in excess of $450 each
- Financial Hardship Scholarship valued in excess of $2,500

For further information about the undergraduate scholarships offered by the Cumberland Student Guild, see the Student Guild Web site, www.csg.org.au.

Postgraduate awards

A limited number of competitive Australian Postgraduate Awards are made available to assist students undertaking full-time PhD or Master's by research courses at Australian universities.

Applicants are expected to have an undergraduate record at honours level or to a master's degree. Students with outstanding professional experience can apply.

The Awards are available to Australian citizens and permanent residents. Selection is based primarily on academic merit and relevant experience, and is highly competitive.

The closing date for applications is 31 October of each year. Application forms are on the University Web site. For additional information contact:

Research Training
The Research Office
Main Quadrangle, A14
The University of Sydney NSW 2006
Phone (02) 93513250. Fax (02) 9351 3256

In addition, the Cumberland Student Guild has two (2) postgraduate scholarships for new and continuing students studying at the Cumberland Campus. For further information about the postgraduate scholarships offered by the Cumberland Student Guild, see the Student Guild Web site, www.csg.org.au.

Clinical supervisory positions for postgraduate students

Qualified Speech Pathologists are regularly employed by the School of Communication Sciences and Disorders on a full or part-time basis to provide supervision to the School's undergraduate students in clinical practice.

Postgraduate students who are qualified Speech Pathologists may be offered employment in some of these supervisory positions. Preference will be given to full-time students but part-time students are not precluded from these opportunities. For further information, contact the Director of Clinical Education in the School of Communication Sciences and Disorders on (02) 93519450.

Research assistantship

Each year, financial assistance in the form of vacation studentships is made available in which students work with staff members on funded research projects. Students are encouraged to seek advice and information on a regular basis from School/Centre staff.

■ Financial assistance

Youth Allowance

Students under 25 may be eligible for Youth Allowance. Eligibility is based in part on income and assets tests. Students who can establish Independence (usually on self-support through employment plus having left school for 18 months) will be assessed on personal assets and fortnightly income, and if applicable, on those of their long-term partner. Dependent students are assessed on their parents' joint taxable income for the 2001/2002 financial year and also on their own fortnightly income. In general, students have to be fulltime in each semester, which means having a HECS-weighted workload of 0.375 or above, however, a special 2/3 concession may be applicable (with a reduced workload as low as 0.332) in some cases. Student Administration in Administration block can provide information and details on your load. Rent Assistance and Travel Allowance may be payable.

Austudy

Students over 25 may be eligible for Austudy and do not have to prove Independence. While parental income and assets aren't applicable, those of the applicant and their long-term partner are. The same workload requirements and concessions apply as for Youth Allowance claimants. Masters and PhD courses do not attract Austudy. If assistance is claimed for a second undergraduate degree, benefits are not payable for the full period of this course. Rent Assistance and Travel Allowance are not payable.

Advanced Standing

Youth Allowance and Austudy claimants who apply for and receive Advanced Standing (credit) for previously completed subjects from another course should take care that the affected semester workload is not reduced below the level which would attract either form of assistance. (See workload requirements above). Students applying for Advanced Standing should read carefully the information on this topic mailed to them by Student Administration.

ABSTUDY

Contact Centrelink ABSTUDY Information on 132 317 for forms and information.

Further information and claim forms

Cumberland Student Guild Administration on Level 3 of the Student Guild Building (Building U) has a supply of Centrelink forms and information handouts that are available on request. Alternatively students may contact Centrelink on 132 490 or visit a local Centrelink office

Loans

A Short Term Loan Fund has been established from funds provided by the Australian Government under the Special Assistance for Students Program.

Loans are available to students who are Australian citizens or permanent residents to help with essential living expenses (housing bonds, rent, household bills, emergencies) and study expenses (text books and equipment, clinical placements and thesis production).

Loans are not approved for payment of HECS, compulsory subscriptions, purchase of cars, holidays, personal computers or financial penalties - eg, traffic fines.

Students seeking assistance from the fund should obtain an application form from Financial Services Division (Cumberland). The maximum amount of the loan is normally $500, with an interest free period of six (6) months. (Non-award students are ineligible to apply for assistance from the fund).

6 School of Applied Vision Sciences

The training of orthoptists in Australia commenced in 1935 and until 1973 was carried out under the auspices of the Royal Australian College of Ophthalmologists (RACO), originally the Ophthalmological Society of Australia.

In 1973 the training of orthoptists was taken over by the New South Wales College of Paramedical Studies (subsequently Cumberland College and now the Faculty of Health Sciences). A four year program leading to a Bachelor of Applied Science (Orthoptics) or a Bachelor of Applied Science (Orthoptics) (Honours) is now offered as well as a research based Master of Applied Science (Orthoptics), which commenced in 1993.

Orthoptists are therapists whose expertise includes investigation and management of ocular muscle dysfunction, the performance of special procedures for investigating ocular and neurological pathology, consultancy (particularly in the multi-disciplinary care of patients) and effective screening of vision problems before secondary complications occur. Orthoptic education places special emphasis on the management of the very young and the elderly, as these are groups in which the visual screening is of particular importance.

The current employment of orthoptists is primarily within the major hospitals, in-private ophthalmic practices and specialist clinics throughout the State. The scope of professional practice is increasing as more graduates find employment in the wider community where expertise in visual health is required - eg, in rehabilitation sethngs, baby health centres and with the aged.

The technological component of visual health assessment is increasing rapidly. To address this the Bachelor program has strengthened the basic science to assist graduates to understand basic concepts and apply the principles to new situations. The development of independent learning skills also supports the ability to adapt to new situations

Enquiries regarding the academic program should be addressed to Neryla Jolly, Head of the School of Applied Vision Sciences. Phone (02) 9351 9250, fax (02) 9351 9359. The School's Web site is located at www.fhs.usyd.edu.au/avs/.

B Bachelor of Applied Science (Orthoptics)

An Orthoptist is a key member of the medical eye care team who prevents, investigates, manages and researches disorders of the eye and vision systems.

Orthoptists assist in the assessment of patients with eye diseases. They have particular expertise in the assessment and treatment of binocular vision (use of two eyes as a pair). Orthoptists support patients who have visual problems associated with conditions such as stroke and head injury. They also work with partially sighted people and treat children with lazy eyes.

Orthoptists are also skilled in many of the exacting diagnostic procedures related to disorders of the eye and visual system, such as testing of the visual field, ultrasonography, electrodiagnosis, biometry, assistance in minor surgical procedures, and client instruction in the use of contact lenses.

Admission requirements

There are no unit prerequisites for admission to the Bachelor of Applied Science (Orthoptics) course. The General Admission Requirements in chapter 3 apply. However, prospective students would benefit from undertaking Chemistry or Biology at HSC level. If applicants do not have this background, a bridging course is highly recommended.

Course outlines

The course outlines for the Bachelor of Applied Science (Orthoptics) Pass and Honours courses are presented in Table 6.1.

Honours program

For information specific to the Orthoptics Honours Program students are advised to contact the School of Applied Vision Sciences.

■ Clinical education

Clinical Education comprises approximately one third of the course. Most of this occurs off-campus within the eye clinics in the public hospitals and in private practices sponsored by ophthalmologists; approximately 50 locations in all. Clinical experiences are supported by case study reports and Faculty-based clinical tutorials. Clinical supervision is provided by clinicians and designated clinical supervisors. Opportunities exist for students to elect to do a country, interstate or overseas placement depending on availability.

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in year 2 - ie, by week 14 of Semester 2 of year 1. St John Ambulance courses on CPR are available through the metropolitan and country areas and are also offered by the Student Guild on campus at scheduled times.

Clinical practice dates

The clinical blocks for 2003 are scheduled as follows.
Year 1: During Semesters 1 and 2
Year 2: January - February
Year 3: March - June
Year 4: August - November

Uniforms

Year 1 students in the orthoptics course will be required to purchase a designated clinical uniform of which they will be advised in semester 1. First year students will require uniforms for their intersemester clinical placement at the end of Semester 1,2003.

Table 6.1: Bachelor of Applied Science (Orthoptics) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1410: Pass course, full-time, 4 years					
■ Year 1					
BACH 1129	*251A1*	Foundations of Health Sociology	3		1
BACH 1131	*251A3*	Foundations of Psychology for the Health Sciences	3		1
BACH 1137	*25IA9*	Clients, Practitioners and Organisations	3		2
BIOS 1072	*11180*	Optics I	2		1
BIOS 1074	*11182*	Optics II	3	P Optics I BIOS 1072(11180).	2

Table 6.1: Bachelor of Applied Science (Orthoptics) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 1124	***111D2***	Human Biology and Biochemistry	4	A Basic Chemistry. ***NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.***	1
BIOS 1127	*111D4*	Body Systems I	3	A Human Biology and Biochemistry BIOS 1124 (111D2).	2
BIOS 1132	***111D9***	Neuroscience I	3		2
ORTH 1038	***14137***	Visual Processes	5		1
ORTH 1039	***14138***	Binocular Vision	5	A Visual Processes ORTH 1038 (14137).	2
ORTH 1040	***14139***	Disorders of the Visual System IA	4		1
ORTH 1041	***14140***	Disorders of the Visual System IB	4		2
ORTH 1042	***14141***	Professional Practice IA	3		1
ORTH 1043	***14142***	Professional Practice IB	3		2
Stage total for Year 1:			48 credit points		
■ Year 2					
BACH 1135	***251A7***	Health, Athtudes and Interaction	3	P Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	1
BACH 1138	***251B0***	Health and Research Design: General	3		1
BACH 2134	***252B7***	Cognition and Neurocognitive Recovery	4	A Foundations of Psychology forthe Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5).	2
BIOS 1140	***111E7***	Neuroscience II	3		1
BIOS 2061	***112B2***	Ocular Biology	3	A Neuroscience I BIOS 1131(llllD8).	1
BIOS 2105	***112F9***	Visual Neurobiology	4	A Neuroscience I BIOS 1131 (111D8), Ocular Biology BIOS 2061 (112B2).	2
BIOS 2106	*U2GO*	Body Systems II	3	A Body Systems I BIOS 1127 (111D4).	2
ORTH 2043	***14245***	Concomitant Strabismus B	4	A Binocular Vision ORTH 1039 (14138). p Concomitant Strabismus A ORTH 2047 (14249); (pre- or corequisite) Instrumentation IIA ORTH 2050 (14252), Instrumentation IIB ORTH 2051 (14253)	2
ORTH 2047	***14249***	Concomitant Strabismus A	4	A Binocular Vision ORTH 1039 (14138). C Instrumentation IIA ORTH 2050 (14252).	1
ORTH 2048	***14250***	Disorders of the Visual System IIA	3	p Disorders of the Visual System IA ORTH 1040 (14139) OR Disorders ofthe Visual System IB ORTH 1041 (14140). c Instrumentation IIA ORTH 2050 (14252).	1
ORTH 2049	***14251***	Disorders of the Visual System II3	3	c Instrumentation IIB ORTH 2051 (14253).	2
ORTH 2050	***14252***	Instrumentation HA	3	C Concomitant Strabismus A ORTH 2047 (14249); Disorders ofthe Visual System IIA ORTH 2048 (14250).	1
ORTH 2051	74255	Instrumentation HB	3	c Concomitant Strabismus B ORTH 2043 (14245); Disorders of the Visual System IIB ORTH 2049 (14251).	2
ORTH 2054	***14256***	Professional Practice II	5	A Visual Processes ORTH 1038 (14137), Disorders of the Visual System IA ORTH 1040 (14139) and IB ORTH 1041 (14140). p Binocular Vision ORTH 1039 (14138).	inter-semester
Stage total for Year 2:			48 credit points		
■ Year 3					
BIOS 3031	***11386***	Bio-electrical Signals and Computing	5		2
BIOS 3032	***11387***	Embryology and Neural Plasticity	2	A Visual Neurobiology BIOS 2063 (112B4).	2
ORTH 3036	14336	Clinical Project	3	C Clinical Studies III ORTH 3051 (14351).	1
ORTH 3037	***14337***	Ocular Motility Disorders I	4	P Concomitant Strabismus A ORTH 2047 (14249) OR Concomitant Strabismus B ORTH 2043 (14245),. C Instrumentation III ORTH 3040 (14340).	2
ORTH 3038	***14338***	Disorders of the Visual System III	4	A Clinical Studies III ORTH 3035 (14351).	2
ORTH 3039	14339	Rehabilitation Studies I	4		2
ORTH 3040	***14340***	Instrumentation III	2	c Ocular Motility Disorders 1 ORTH 3037 (14337).	2
ORTH 3050	*14350*	Assessment and Management of Refractive Errors	5	c Clinical Studies III ORTH 3051 (14351).	**1**

Table 6.1: Bachelor of Applied Science (Orthoptics) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
ORTH 3051	*14351*	Clinical Studies III	19	A Disorders of the Visual System IIA ORTH 2048 (14250) & Disorders of the Visual System IIB ORTH 2049 (14251). P Clinical Studies II ORTH 2052 (14254), Instrumentation HA ORTH 2050 (14252) & IIB ORTH 2051 (14253), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245). C Clinical Project ORTH 3036 (14336).	1
Stage total for Year 3:			48 credit points		
■ **Year 4**					
BACH 4047	*25446/ 25446X*	Developing a Research Project	4	*NB: Also available in off-campus mode.*	1,2
BIOS 4029	*U466*	Visual Science	4	A Visual Neurobiology BIOS 2105 (112F9).	1
ORTH 4007	*14408*	Ocular Motility Disorders II	4		1
ORTH 4008	*14409*	Disorders of the Visual System rv	4		1
ORTH 4009	*14410*	Rehabilitation Studies II	4		1
ORTH 4010	*14411*	Professional Studies	4		1
ORTH 4012	*14413*	Clinical Studies IV	20	p Clinical Studies III ORTH 3035 (14335); Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408); Instrumentation III ORTH 3040 (14340); Disorders of the Visual System IV ORTH 4008 (14409); Professional Studies ORTH 4010 (14411).	2
ORTH 4011[1]	*14412*	Research Project	4		2
ORTH 4013[1]	*14414*	Professional Elective	4		2
■ **Note** 1. Students choose either ORTH 401 lor ORTH 4013.					
Stage total for Year 4:			48 credit points		

Table 6.1.1 Bachelor of Applied Science (Orthoptics) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1411: Honours program, full-time, 4 years					
■ **Years** 1 **and** 2 As per Pass course					
■ **Year** 3					
BACH 4047	*25446/ 25446X*	Developing a Research Project	4	*NB: Also available in off-campus mode.*	1,2
BIOS 3031	*11386*	Bio-electrical Signals and Computing	5		2
BIOS 3032	*11387*	Embryology and Neural Plasticity	2	A Visual Neurobiology BIOS 2063 (112B4).	2
ORTH 3037	*14337*	Ocular Motility Disorders I	4	p Concomitant Strabismus A ORTH 2047 (14249) OR Concomitant Strabismus B ORTH 2043 (14245),. c Instrumentation III ORTH 3040 (14340).	2
ORTH 3038	*14338*	Disorders of the Visual System III	4	A Clinical Studies III ORTH 3035 (14351).	2
ORTH 3040	*14340*	Instrumentation III	2	C Ocular Motility Disorders 1 ORTH 3037 (14337).	2
ORTH 3048	*14348*	Research Proposal	6		2
ORTH 3050	*14350*	Assessment and Management of Refractive Errors	5	c Clinical Studies III ORTH 3051 (14351).	1
ORTH 3052	*14352*	Clinical Studies IIIH	16	A Disorders of the Visual System HA ORTH 2048 (14250) & HB ORTH 2049 (14251). p Clinical Studies II ORTH 2052 (14254), Instrumentation HA ORTH 2050 (14252) & HB ORTH 2051 (14253), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245).	1
Stage total forYear 3:			48 credit points		
■ **Year 4**					
BIOS 4029	*11466*	Visual Science	4	A Visual Neurobiology BIOS 2105 (112F9).	1
ORTH 4007	*14408*	Ocular Motility Disorders II	4		1
ORTH 4008	*14409*	Disorders of the Visual System rv	4		1

Table 6.1.1: Bachelor of Applied Science (Orthoptics) Honours (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
ORTH 4010	*14411*	Professional Studies	4		1
ORTH 4018	*14419*	Research Report	12		Full year
ORTH 4019	*14420*	Clinical Studies IVH	20	P Clinical Studies III ORTH 3035 (14335), Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408), Instrumentation III ORTH 3040 (14340), Disorders of the Visual System IV ORTH 4008 (14409). C Professional Studies ORTH 4010 (14411).	Full year
Stage total for Year 4:			48 credit points		

■ Units of study

BACH 1129 Foundations of Health Sociology

Old code 251A1.3 credit points. **Semester: 1. Assessment:** Class Essay 35% and Examination 65%.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1131 Foundations of Psychology for the Health Sciences

Old code 251 A3.3 credit points. Ms Karen Pepper, Dr Chris Lennings. **Semester: 1. Classes:** On campus, 26 hours (2 hr lecture/week for 13 weeks). **Assessment:** 1000 word essay 50%, 1 hr MCQ examination 50%.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1135 Health, Athtudes and Interaction

Old code 251A7.3 credit points. **Semester: 1. Prerequisite:** Foundations of Psychology for the Health Sciences or Introduction to Health Psychology. **Assessment:** 1000 word assignment (40%), 2 hour short answer/MCQ examination (60%).

This unit of study comprises two modules. Module 1: Social Psychology examines the findings from research into social phenomena such as helping behaviour, aggression, prejudice, and conformity. The unit extends this examination to the application of findings to health care sethngs and practitioners. In Module 2: Disability Studies students will be exposed to an interdisciplinary perspective on the experiences of people with chronic illnesses and disability, as well as community and professional perceptions of disability. Both modules examine the psychology of client-practitioner communication and interaction.

BACH 1137 Clients, Practitioners and Organisations

Old code 251A9.3 credit points. Semester: 2. Assessment: 1500 word essay (50%), 1 hour Essay Examination (50%).

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian Health Care System. The unit emphasises: sociology of client/ practitioner relationships; sociology of work and organisations in health care sethngs; theoretical perspectives on the self, the body, illness and identity.

BACH 1138 Health and Research Design: General

Old code 251B0.3 credit points. Semester: 1. Assessment: Mid semester class test 40%, 2 hour MC exam 60%.

The unit is designed to introduce students to the process of qualitative and quantitative research. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Various interview, survey, observational and epidemiological research designs will be introduced as well as concepts of experimental validity, single case research and group experimental research. Issues of reliability, validity, evidence-based practice and applied research designs will also be covered.

BACH 2134 Cognition and Neurocognitive Recovery

Old code 252B7.4 credit points. **Semester: 2. Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5). **Assessment:** 1000 word essay (25%), 1000 word assignment (25%), 2 hour MCQ / short answer examination (50%).

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning, and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities, and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness, and with developmental and learning disabilities. The unit also examines the principles and methods of behaviour change, and considers applications of these to behaviour modification in clinical contexts.

BACH 4047 Developing a Research Project

Old code 25446/25446X. 4 credit points. **Semester: 1,2. Classes:** On campus Mondays 5-8 pm in Semester 1, and off campus in Semester 1 or 2.

NB: Also available in off-campus mode.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives that concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced.

BIOS 1072 Optics I

Old code 11180.2 credit points. Dr Fazul Huq. **Semester: 1.**

This unit introduces students to the principles of geometrical optics, including the nature of light, image formation by lenses and mirrors, prisms, beam, limitation effects and aberrations.

Textbooks

Elements of Geometrical and Visual Optics. Huq, F.

BIOS 1074 Optics II

Old code 11182.3 credit points. Dr Fazlul Huq. **Semester: 2. Prerequisite:** Optics I BIOS 1072 (11180).

This unit introduces students to the principles of visual optics, including the eye as an optical system, and ophthalmic instruments.

Textbooks

Elements of Geometrical and Visual Optics. Huq, F.

BIOS 1124 Human Biology and Biochemistry

Old code 111D2.4 credit points. Dr Peter Knight. Semester: 1. Assumed knowledge: Basic Chemistry. Assessment: Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and

disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied: the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

Teaching in this unit of study will comprise lectures, general worksheets, practical classes, Web based material to support lectures and discipline specific tutorials and self learning activities.

BIOS 1127 **Body Systems I**

Old code 111D4.3 credit points. Dr Jennifer Lingard. Semester: 2. Assumed knowledge: Human Biology and Biochemistry BIOS 1124 (111D2). Assessment: Mid Semester Exam and End Semester Exam.
This unit builds on the foundation studies of Human Biology and Biochemistry undertaken in Semester 1. It begins study of organ systems in the body, focussing on the cardiovascular and respiratory systems. In addition, the topics of Infection Control and Immunology extend the concept of maintenance of homeostasis with discussion of the body's defenses and barriers to invading organisms. Some general concepts relating to the handling of drugs by the body are introduced, and some drugs affecting the function of the Autonomic nervous system will be discussed.

BIOS 1132 **Neuroscience I**

Old code 111D9.3 credit points. Dr BulentTurman. **Semester: 2. Assessment:** Assignment 10%, Mid-Semester Exam 30%, End Semester Exam 60%.
This unit of study introduces the students to fundamental concepts of nervous system functioning and the structure of muscle tissue. Students are initially introduced to basic structure of the nervous system and neurones. This is followed by an understanding of basic electrical concepts underlying neural signals. The sites of signal transmission and communication in the nervous system, including central synapses, the neuromuscular junction and receptors are discussed. The structure, contractile process, mechanics and biochemistry of skeletal cardiac and smooth muscles are covered. The unit includes laboratory classes in which human cadavers are studied.

BIOS 1140 **Neuroscience II**

Old code 111E7.3 credit points. Dr Ros Boh ringer. Semester: 1. Assessment: Mid semester exam 30%, end semester exam (70%).
This unit of study aims to provide basic understanding of the anatomy and physiology of neural structures. The anatomy of the spinal cord and the brain is presented and studied on models and human cadavers. The basic mechanisms of spinal reflexes and the function of the somatosensory system comprise the physiological aspects of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for the students of the profession.
Textbooks
Neuroanatomy, an illustrated colour text (2nd Ed.). Crossman, A. R. and D. Neary. Churchill Livingstone.

BIOS 2061 **Ocular Biology**

Old code 112B2.3 credit points. Dr Svetlana Warton. **Semester:** 1. **Assumed knowledge:** Neuroscience I BIOS 1131 (111D8).
This unit covers the anatomy of the orbit, the eyeball and the retina. There is also a discussion of the autonomic nervous system, intraocular fluids and pressure, and signal processing in the retina.
Textbooks
1. Clinical Anatomy of the Eye. (2nd Ed.) Sneil, R.S. and MA. Lemp. Blackwell. London.
2. The Eye, Basic Sciences in Practice. Forrester, J. et al.

BIOS 2105 **Visual Neurobiology**

Old code 112F9.4 credit points. Dr Svetlana Warton. **Semester: 2. Assumed knowledge:** Neuroscience I BIOS 1131 (111D8), Ocular Biology BIOS 2061 (112B2).
In this unit students will learn the anatomy and physiology of the visual pathways, along with the psychophysics and physiology of binocular vision. The neuroanatomy and physiology of the ocular motor system is introduced in order to understand eye movements and ocular motor reflexes.
Textbooks
1. Principles of Neural Science (4th ed). Kandel, E.R., J.H. Schwartz and T.M. Jessell. Appleton & Lange, Norwalk, Connecticut.

BIOS 2106 **Body Systems II**

Old code 112G0.3 credit points. Dr Jennifer Lingard. Semester: 2. Assumed knowledge: Body Systems I BIOS 1127 (111D4). Assessment: Mid Semester Exam and End Semester Exam.
This unit follows on from Body Systems I BIOS 1127 (111D4). It continues the study of organ systems in the body, focusing on the endocrine, renal, and gastrointestinal systems. Students will then be introduced to pathological principles, concentrating in particular on neoplasia, infectious diseases of the eye and adnexa, and immunological disorders affecting the eye. Student learning will be facilitated with lectures and tutorials, together with CD ROM and Web-based material.

BIOS 3031 **Bio-electrical Signals and Computing**

Old code 11386.5 credit points. Dr Ian Cathers. Semester: 2.
This unit provides an introduction to bio-electricity, computerised data acquisition, and signal processing, preparatory to the study of visual electrophysiology. There is also a discussion of those forms of radiation, such as ultrasound and laser light, that are important in the diagnosis and treatment of eye-related disease. Finally, computer applications relevant to orthoptic practice are examined.

BIOS 3032 **Embryology and Neural Plasticity**

Old code 11387.2 credit points. Dr Svetlana Warton. Semester: 2. Assumed knowledge: Visual Neurobiology BIOS 2063 (112B4).
In this unit, there is a discussion on embryology, the main emphasis being placed on the development of the central nervous system and that of the visual system. There is also a discussion on the plasticity of the visual and ocular motor systems with particular reference to how they change with experience.
Textbooks
1. Human Embryology. (1993). Larsen, W.
2. Before we are Bom. More, K.

BIOS 4029 **Visual Science**

Old code 11466.4 credit points. Dr Svetlana Warton. Semester: 1. Assumed knowledge: Visual Neurobiology BIOS 2105 (112F9).
In this unit, basic neurology and neuro-ophthalmology is introduced. There is a discussion of clinical pharmacology of the eye. The unit also offers a substantial practical component in the recording of electroretinograms, electrooculograms and cortical evoked responses.
Textbooks
Tropical Diagnosis in Neurology. Duus.

ORTH 1038 **Visual Processes**

Old code 14137.5 credit points. **Semester:** 1.
The normal eye is introduced, including visual acuity, contrast sensitivity, the visual pathway, the visual field, binocular vision, refractive errors, eye movements, accommodation and convergence.

ORTH 1039 **Binocular Vision**

Old code 14138.5 credit points. Semester: 2. Assumed knowledge: Visual Processes ORTH 1038 (14137).
The principles of binocular vision, its anatomical and physiological substrates, are introduced. Topics covered include the theory and practical demonstrations of projection, the horopter, physiological and pathological diplopia, fusion, superimposition, stereopsis and the accommodation/ convergence synkenesis. Factors determining misalignment of the visual axes, and the assessment and management of sensory sequelae are also introduced.

ORTH 1040 **Disorders of the Visual System IA**

Old code 14139.4 credit points. Semester: 1.
This unit will present a wide range of disorders of the eye, with emphasis on recognition of the more common disorders of the visual system and terminology used in ophthalmology.

ORTH 1041 **Disorders of the Visual System IB**

Old code 14140.4 credit points. Semester: 2.
This unit covers the causes, types, investigation and treatment of cataract and introduces the management of ocular emergencies, the causes and assessment of anomalies of the visual field and the skills of ophthalmic history taking.

ORTH 1042 Professional Practice IA
Old code 14141.3 credit points. Semester: 1.
Students will be introduced to the clinical experience and role of health professional. Sessions will allow for development of a preliminary level of competence in basic vision testing techniques. These sessions will parallel academic content of Visual Processes ORTH 1033. Students will be given the opportunity to develop communication skills and rapport with paediatric populations by completion of a community placement.

ORTH 1043 Professional Practice IB
Old code 14142.3 credit points. Semester: 2.
Students will continue to develop a personal identity as a beginning health professional. Sessions will allow for the development of a preliminary level of competence in the clinical assessment of strabismus, which will parallel the academic content of Binocular Vision ORTH 1034. Students will also complete a limited number of days of clinical experience, which will include Briefing and Debriefing sessions.

ORTH 2043 Concomitant Strabismus B
Old code 14245.4 credit points. Semester: 2. Assumed knowledge: Binocular Vision ORTH 1039 (14138). Prerequisite: Concomitant Strabismus A ORTH 2047 (14249); (pre- or corequisite) Instrumentation IIA ORTH 2050 (14252), Instrumentation IIB ORTH 2051 (14253).
Non accommodative concomitant deviations are studied, such as intermittent non accommodative esotropia and exotropia, with special emphasis on the sensory adaptations of suppression, amblyopia, microtropia, eccentric fixation, normal and abnormal and non functional retinal correspondence and their relationship to visual plasticity.

ORTH 2047 Concomitant Strabismus A
Old code 14249.4 credit points. **Semester: 1. Assumed knowledge:** Binocular Vision ORTH 1039 (14138). **Corequisite:** Instrumentation IIA ORTH 2050 (14252).
Effect of refractive errors on ocular alignment and anomalies of accommodation, convergence and the accommodation/ convergence synkinesis which result in concomitant deviation are studied, along with assessment and management of these conditions as well as convergence insufficiency, heterophoria, accommodation anomalies and accommodative intermittent squint.

ORTH 2048 Disorders of the Visual System IIA
Old code 14250.3 credit points. **Semester: 1. Prerequisite:** Disorders of the Visual System IA ORTH 1040 (14139) OR Disorders of the Visual System IB ORTH 1041 (14140). **Corequisite:** Instrumentation IIA ORTH 2050(14252).
This unit will introduce a range of ophthalmic topics relevant to the varied working environments of the orthoptist. Diseases of the anterior segment and inflammatory disorders of the eye will be briefly considered. The investigative procedures and medications used to care for these patients will be discussed. The role of the orthoptist in the care of the contact lens patient and patients undergoing minor surgical procedures will be examined in greater depth.

ORTH 2049 Disorders of the Visual System IIB
Old code 14251.3 credit points. Semester: 2. Corequisite: Instrumentation IIB ORTH 2051 (14253).
In this unit the assessment of refractive error and special refractive conditions such as keratoconus are studied. Glaucoma is also studied with emphasis on assessment of the visual field using computerised perimetry.

ORTH 2050 Instrumentation IIA
Old code 14252.3 credit points. **Semester: 1. Corequisite:** Concomitant Strabismus A ORTH 2047 (14249); Disorders of the Visual System IIA ORTH 2048 (14250).
The instrumentation and special procedures appropriate to the units Concomitant Strabismus A and Disorders of the Visual System IIA are studied in small group tutorial sessions. These skills include those of contact lens fithng and maintenance, slit lamp assessment, vertometry and orthoptic assessment and management of accommodative deviations.

ORTH 2051 Instrumentation IIB
Old code 14253.3 credit points. **Semester: 2. Corequisite:** Concomitant Strabismus B ORTH 2043 (14245); Disorders of the Visual System IIB ORTH 2049 (14251).
The instrumentation and special procedures appropriate to the units Concomitant Strabismus B and Disorders of the Visual System IIB are studied in small group tutorial sessions. These skills include those of visual field assessment, ophthalmoscopy and orthoptic assessment and management of non accommodative deviations.

ORTH 2054 Professional Practice II
Old code 14256.5 credit points. Semester: inter-semester. Assumed knowledge: Visual Processes ORTH 1038 (14137), Disorders of the Visual System IA ORTH 1040 (14139) and IB ORTH 1041 (14140). Prerequisite: Binocular Vision ORTH 1039 (14138).
Students will complete approximately a 2-3 week clinical placement, during the presemester 1 period - ie, January/ February, depending on availability of clinical days. During this time students will gain experience in a variety of clinical environments, allowing practice of basic techniques related to heterophoria and ophthalmic practice, and development of interpersonal and professional skills. Students will be briefed prior to attending, and debriefed at the completion of their allocated clinical time.

ORTH 3036 Clinical Project
Old code 14336.3 credit points. **Semester: 1. Corequisite:** Clinical Studies III ORTH 3051 (14351).
Students will carry out a structured clinical exercise in a professional area.

ORTH 3037 Ocular Motility Disorders I
Old code 14337.4 credit points. **Semester:** 2. **Prerequisite:** Concomitant Strabismus A ORTH 2047 (14249) OR Concomitant Strabismus B ORTH 2043 (14245),. **Corequisite:** Instrumentation III ORTH 3040 (14340).
The causes, special investigations and management of incomitant squint resulting from restrictive (mechanical) disorders and congenital syndromes will be studied.

ORTH 3038 Disorders of the Visual System III
Old code 14338.4 credit points. Semester: 2. Assumed knowledge: Clinical Studies III ORTH 3035 (14351).
This unit explores testing procedures for the paediatric population with emphasis on their relationship to visual development and visual acuity assessment. Common presenting problems in the paediatric age group resulting in visual disorders are studied. The purpose of vision screening is also reviewed with emphasis on examining current practice and controversies.

ORTH 3039 Rehabilitation Studies I
Old code 14339.4 credit points. Semester: 2.
The management of children with permanent visual impairment, learning difficulties and the orthoptist's role in the management of children with developmental delay are studied.

ORTH 3040 Instrumentation III
Old code 14340.2 credit points. Semester: 2. Corequisite: Ocular Motility Disorders 1 ORTH 3037 (14337).
The instrumentation techniques for the investigation and management of inconcomitant strabismus will be taught and practised in tutorial groups.

ORTH 3048 Research Proposal
Old code 14348.6 credit points. Semester: 2.
The knowledge and skills introduced by the unit Developing a Research Project will be further developed to produce a thorough analysis of a research question, including appropriate design to address the question, implications of the proposed research and the submission of an application for approval to the appropriate University Ethics Committee. Students will present a seminar on their proposed research to a critical audience.

ORTH 3050 Assessment and Management of Refractive Errors
Old code 14350.5 credit points. **Semester: 1. Corequisite:** Clinical Studies III ORTH 3051 (14351).
This unit will extend preliminary knowledge of refractive errors to include more complex refractive error topics such as understanding latent and manifest hypermetropia, aetiology of myopia, progressive myopia and keratoconus. Emphasis will be placed on the clinical evaluation of refractive error including methods of objective and subjective refraction as well as A scan ultrasonography. Correction of refractive errors by both optical and surgical methods will also be a focus of this unit. Aspects of optical dispensing, fithng of contact lenses and surgical correction of refractive errors will be included.

ORTH 3051 Clinical Studies III
Old code 14351.19 credit points. **Semester: 1. Assumed knowledge:** Disorders of the Visual System IIA ORTH 2048 (14250) & Disorders of the Visual System IIB ORTH 2049 (14251). **Prerequisite:** Clinical Studies II ORTH 2052 (14254), Instrumentation IIA ORTH 2050 (14252)

& MB ORTH 2051 (14253), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245). Corequisite: Clinical Project ORTH 3036 (14336).
Experiences encountered will consolidate theory presented in the program thus far and will especially relate to the second year units Instrumentation II, Concomitant Strabismus A and B and Disorders of the Visual System IIA and IIB. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 3052 **Clinical Studies IIIH**
Old code 14352.16 credit points. **Semester: 1. Assumed knowledge:** Disorders of the Visual System IIA ORTH 2048 (14250) & MB ORTH 2049 (14251). **Prerequisite:** Clinical Studies II ORTH 2052 (H254), Instrumentation IIA ORTH 2050 (14252) & MB ORTH 2051 (14253), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245).
Experiences encountered will consolidate theory presented in the program thus far and will especially relate to the second year units Instrumentation II, Concomitant Strabismus A and B and Disorders of the Visual System IIA and IIB. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

ORTH 4007 **Ocular Motility Disorders II**
Old code 14408.4 credit points. Semester: 1.
Disorders associated with cortical ocular motor control and neurological disorders of eye movement (supranuclear and infranuclear) are studied, along with their special assessment procedures and management.

ORTH 4008 **Disorders of the Visual System IV**
Old code 14409.4 credit points. Semester: 1.
This unit complements Ocular Motility Disorders II in the study of neuro opthalmology, and neurological visual field loss. The ageing eye and the ocular pathology of ageing are also studied.

ORTH 4009 **Rehabilitation Studies II**
Old code 14410.4 credit points. Semester: 1.
The visual implications of sensory and motor impairment and plasticity are studied, with emphasis on communication issues, visual impairment, management of visual field anomalies and orientation and mobility training.

ORTH 4010 **Professional Studies**
Old code 14411.4 credit points. Semester: 1.
Special issues relating to professional practice are discussed, covering complex case studies, medico legal issues, ethics, and occupational health.

ORTH 4011 **Research Project**
Old code 14412.4 credit points. **Semester:** 2.
Students will carry out a guided research exercise relevant to orthoptic practice.

ORTH 4012 **Clinical Studies IV**
Old code 14413.20 credit points. **Semester: 2. Prerequisite:** Clinical Studies III ORTH 3035 (14335); Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408); Instrumentation III ORTH 3040 (14340); Disorders of the Visual System IV ORTH 4008 (14409); Professional Studies ORTH 4010 (14411).
This placement provides the clinical experiences that consolidate the second semester year 3 and first semester year 4 theoretical units, as well as providing opportunity to integrate all components of the course. Students will be required to attend case analysis sessions and conduct the off campus component of their professional elective in this unit.

ORTH **4013** **Professional Elective**
Old code 14414.4 credit points. **Semester:** 2.
Students will carry out a guided theoretical and clinical elective study in an area of professional interest.

ORTH **4018** **Research Report**
Old code 14419.12 credit points. Semester: Full year.
Semester 1:2 credit points. Semester 2:10 credit points.

Students will attend individual meetings with their supervisor as well as group research meetings in which general and specific issues will be discussed The findings from the honours research project will be presented in a research report in a form suitable for submission on a refereed journal for publication. Full details of the requirements for this report can be found in the School of Applied Vision Sciences' Bachelor of Applied Science (Honours) Guidelines, Policy and Procedures.

ORTH 4019 **Clinical Studies IVH**
Old code 14420.20 credit points. Semester: Full year. Prerequisite: Clinical Studies III ORTH 3035 (14335), Ocular Motility Disorders I ORTH 3037 (14337) & II ORTH 4007 (14408), Instrumentation III ORTH 3040 (14340), Disorders of the Visual System IV ORTH 4008 (14409). Corequisite: Professional Studies ORTH 4010 (14411).
Semester 1:4 credit points. Semester 2:16 credit points.

This placement provides the clinical experiences that consolidate the second semester year 3 and the first semester year 4 theoretical units and provide an opportunity to integrate all components of the course. Honours students will be given the opportunity to develop their professional and/or clinical skills through the acquisition of data, either on campus or through specialised clinical/fieldwork placements during semester one. Students will be required to attend on campus sessions where case studies will be reviewed and professional practice issues discussed.

7 School of Behavioural and Community Health Sciences

The School of Behavioural and Community Health Sciences was established in 1999 as a result of an amalgamation of the Department of Behavioural Sciences and the former School of Community Health (which was originally established in 1987). The School has a twofold role within the Faculty of Health Sciences:

1. To teach behavioural sciences to all students undertaking courses within the Faculty.This involves providing students with a knowledge of human behaviour particularly within the context of health and rehabilitation services and the social environment. Behavioural sciences include the disciplines of psychology, sociology, statistics and research methods.
2. To provide a range of professional practice courses at the graduate and undergraduate level. Undergraduate degrees are offered in behavioural health science and rehabilitation counselling and graduate programs in behavioural health science, child and adolescent health, gerontology, health science education, and rehabilitation counselling.

The School has an extensive research focus into the areas of anxiety disorders, cognition, occupational stress and health, organisation and management, rehabilitation counselling, community health, mental and physical health, health science education, gerontology, disability and health promotion and prevention.

■ Bachelor of Behavioural Health Science

The pass program in Behavioural Health Science is designed to provide a generic undergraduate qualification in Behavioural Health Science. The core curriculum focuses on areas of Health Sociology and Health Psychology of special importance for professionals working in health and community sethngs. Graduates will also be equipped with skills in research methodology and evaluation, policy analysis and development, communication, negotiation, and dispute resolution. Graduates will find employment in a range of health delivery organisations and community sethngs as direct service providers, project officers, policy analysts, and research officers. Some positions may require graduates to have completed at least the four year program, or to build on their three year undergraduate qualification with further studies (positions as research officers, project officers, policy analysts). Graduates would also be prepared for positions requiring them to develop and implement policy, and to evaluate health promotion programs.

The pass program is offered on a full-time basis, and requires successful completion of 144 credit points. Students elect to undertake a major sequence of studies in either Health Psychology or Health Sociology at the end of the first year. An additional year of full-time study equal to 48 credit points is required to complete the honours program. Entry to the honours program is restricted to students who have achieved academic excellence in their area of major study during their first three years. Elective units taken from within and outside the Faculty of Health Sciences are available throughout the program, and students should discuss elective choices with their academic advisor prior to enrolment.

Although both the pass and honours programs are structured as full-time courses, students who are unable to attend in a full-time capacity may be eligible for enrolment on a part-time basis. To secure part-time enrolment status, a student must: (1) be prepared initially to accept a full-time position in the program in question; and (2) apply to the Head of School for a conversion to part-time enrolment status, prior to enrolment at the beginning of the year. Students should note that part-time enrolment status is not automatically granted. Where an application is approved, the student must ensure the following:

- That they are enrolled in at least 12 credit points per semester.
- That they make satisfactory progress in the course in subsequent semesters.
- That the course is completed within the maximum time alio wed (10 years from initial enrolment).
- That they meet any prerequisite and corequisite requirements in the subjects for which they enrol.

Daytime attendance at lectures and seminars will be necessary to complete the program in part-time mode. It is the responsibility of the student to be aware of curriculum changes that may be introduced during the course of their enrolment, and to ensure that their programs of study are adjusted in line with these changes.

Admission requirements

The general admission requirements listed in chapter 3 apply. It is recommended that students applying on the basis of Higher School Certificate results have studied Mathematics.

Course outlines

The course outlines for the Bachelor of Behavioural Health Science Pass and Honours courses are presented in Table 7.1 and Table 7.2.

Table 7.1: Bachelor of Behavioural Health Science

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2553: Pass course; full-time, 3 years Course code 2559: Honours program; full-time, 4 year					
Pass course					
■ **Year 3 (last offered in 2003)**					
Health Psychology **Major**					
BACH 2040	*2521T*	Health Policy and Service Delivery	6	P Introduction to Health Sociology BACH 1023 (2511C).	2
BACH 3075	*25373*	Health Psychology	6	P Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124(2521Y).	1
BACH **3076**	*25374*	Counselling and Assessment	6	P Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124(2521Y).	1
BACH 3077	*25375*	Workplace Attachment	6	P Introduction to Health Psychology and Professional Practice and Ethics I.	2
BACH **3078**	*25376*	Professional Practice and Ethics II	3	P Professional Practice and Ethics I BACH 1025 (251 IE).	1
BACH 5298	*25594*	History & Philosophy of Scientific Methodology	6		1

Table 7.1: Bachelor of Behavioural Health Science (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Elective Studies (see note 1) **Psychology Elective** (see note 2) **Sociology Elective** (see note 3)			Semester 1 credit points: 3. Semester 2 credit points: 6. Semester 2 credit points: 3. Semester 2 credit points: 3.		
Stage total for Year 3:			48 credit points		
Health Sociology Major					
BACH 3077	25375	Workplace Attachment	6	P Introduction to Health Psychology and Professional Practice and Ethics I.	2
BACH 3078	*25376*	Professional Practice and Ethics II	3	P Professional Practice and Ethics I BACH 1025 (2511E).	1
BACH 3079	25377	Health Policy Development	6	p Health Policy and Service Delivery BACH 2040 (2521T).	1
BACH 5298	*25594*	History & Philosophy of Scientific Methodology	6		1
Elective Studies (see note 1) **Psychology Elective** (see note 2) **Sociology Electives** (see note 3)			Semester 1 credit points: 6. Semester 2 credit points: 6. Semester 2 credit points: 3. Semester 1 credit points: 3. Semester 2 credit points: 9.		
Stage total for Year 3:			48 credit points		

Honours program

■ **Year 4 (last offered in 2004)**

This is an additional year following the 3 year Pass course

BACH 4054	*25453*	Research Project	34		Full year
Research Elective (see note 4) **Honours** Electives (see note 5)			Semester 1 credit points: 6. Semester 1 credit points: 4. Semester 2 credit points: 4.		
Stage total for Year 4:			48 credit points		

Table 7.2: Bachelor of Behavioural Health Science

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2576: Pass course; full-time, 3 years Course code 2577: Honours program; full-time, 4 years					

Pass course

■ **Year 1**

BACH 1025	*2511E*	Professional Practice and Ethics I	5	p Introduction to Health Psychology BACH 1133 (251A5) and Illness, Health and Social Inquiry BACH 1133 (251A6).	2
BACH 1133	*251A5*	Introduction to Health Psychology	6		1
BACH 1134	257A6	Health, Illness and Social Inquiry	6		1
BACH 1138	*25IB0*	Health and Research Design: General	3		1
BACH 1141	257B3	Analysing Health Research: General	3	A Basic mathematics.	2
BACH 1150	*251C3*	Physical Disability, Interaction & Community	6	N Introduction to Health Psychology BACH 1133 (251A5) or equivalent.	2
BACH 1151	*251C4*	Clients, Practitioners & Organisations: Theoretical & Applied Perspective	6		2
BACH 1152	*251C5*	Communication Skills	3	C Introduction to Health Psychology.	1
BACH 1158	*251D0*	Computing Applications for Health Sciences	3		1
BACH 3099	*25397*	Law for Health Professionals	3		1
BIOS 1126	*11ID3/ 111D3*X	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	2
Stage total for Y e a r 1 :			48 credit points		

■ **Year 2 (first offered in 2003)**

Health Psychology Major

BACH 2038	*2521R*	Health and Social Theory	6	p Introduction to Health Sociology or Health, Illness and Social Inquiry.	1
BACH 2039	*252IS*	Organisational Studies	6	A Introduction to Health Psychology. p Introduction to Health Sociology BACH 1023 (2511C).	2
BACH 2128	*252A3*	Cognition and Cognitive Impairment	3	A Foundations of Psychology for the Health Sciences BACH 1131 (251A3)or Introduction to Health Psychology BACH 1133 (251A5).	2
BACH 2129	*252A4*	Psychological Disorders and Their Treatment	6	A Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	1
BIOS 2095	*112F0/ 112F0X*	Body Functions	4		1 (on-campus), 2 (off-campus)
HRMT 3041	*09342*	Human Resource Management	3	*NB: Student places are limited.*	1

Table 7.2: Bachelor of Behavioural Health Science (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Elective studies (see note 1) Psychology electives (see note 2) Sociology elective (see note 3)			Semester 1 credit points: 5. Semester 2 credit points: 6. Semester 2 credit points: 6. Semester 2 credit points: 3.		
Stage total for Year 2:			48 credit points		
Health Sociology Major					
BACH 2038	*2521R*	Health and Social Theory	6	P Introduction to Health Sociology or Health, Illness and Social Inquiry.	1
BACH 2039	25275	Organisational Studies	6	A Introduction to Health Psychology. P Introduction to Health Sociology BACH 1023 (2511C).	2
BACH 2131	*252A6*	Policy and Service Delivery in Health	6	P Foundations of Health Sociology or Health, Illness and Social Inquiry.	2
BACH 3082	*25380*	Sociology of the Aged and Ageing	3	P Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry.	1
BIOS 2095	*112F0/ 112F0X*	Body Functions	4		1 (on-campus), 2 (off-campus)
HIMT 3041	*09342*	Human Resource Management	3	*NB: Student places are limited.*	1
Elective studies (see note 1) Psychology electives (see note 2) Sociology elective (see note 3)			Semester 1 credit points: 5. Semester 2 credit points: 3. Semester 2 credit points: 9. Semester 1 credit points: 3.		
Stage total for Year 2:			48 credit points		

■ Year 3 (first offered in 2004)

Health Psychology Major

BACH 2131	*252A6*	Policy and Service Delivery in Health	6	P Foundations of Health Sociology or Health, Illness and Social Inquiry.	2
BACH 3075	*25373*	Health Psychology	6	P AbnormalBehaviourBACH2034(2521N);BehaviourManagementBACH 2124 (2521Y).	1
BACH 3076	*25374*	Counselling and Assessment	6	P Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124 (2521Y).	1
BACH 3077	25375	Workplace Attachment	6	P Introduction to Health Psychology and Professional Practice and Ethics I.	2
BACH 3078	*25376*	Professional Practice and Ethics II	3	P Professional Practice and Ethics I BACH 1025 (251 IE).	1
BACH 5298	*25594*	History & Philosophy of Scientific Methodology	6		1
Elective studies (see note 1) Psychology elective (see note 2) Sociology elective (see note 3)			Semester 1 credit points: 3. Semester 2 creditpoints: 6. Semester 2 credit points: 3. Semester 2 credit points: 3.		
Stage total for Year 3:			48 credit points		
Health Sociology Major					
BACH 3077	*25375*	Workplace Attachment	6	P Introduction to Health Psychology and Professional Practice and Ethics I.	2
BACH 3078	*25376*	Professional Practice and Ethics II	3	P Professional Practice and Ethics I BACH 1025 (251 IE).	1
BACH 3079	*25377*	Health Policy Development	6	P Health Policy and Service Delivery BACH 2040 (2521T).	1
BACH 5298	*25594*	History & Philosophy of Scientific Methodology	6		1
Elective studies (see note 1) Psychology elective (see note 2) Sociology electives (see note 3)			Semester 1 credit points: 6. Semester 2 credit points: 6. Semester 2 creditpoints: 3. Semester 1 creditpoints: 3. Semester 2creditpoints: 9.		
Stage total for Year 3:			48 credit points		

Honours program

■ Year 4 (first offered in 2005)

This is an additional year following the 3 year Pass course

BACH 4054	*25453*	Research Project	34		Full year
Research elective (see note 4) Honours electives (see note 5)			Semester 1 creditpoints: 6. Semester 1 credit points: 4. Semester 2 credit points: 4.		
Stage total for Year 4:			48 credit points		

Notes to Tables 7.1 and 7.2

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
1. Elective studies may be taken from within or outside the Faculty of Health Sciences, subject to availability and prerequisites. Students must discuss their electives with their academic advisor prior to enrolment. General electives include the following (subject to minimum enrolment) - 3 credit points each					
BACH 3095	25393	Ageing Society and Professional Practice	3	A Introduction to Health Sociology.	1,2
BACH 3096	*25394*	Older People in the Community	3	A Introduction to Health Sociology.	1,2
BACH 3097	*25395*	Older People in Care	3	A Introduction to Health Sociology.	2

Notes to Tables 7.1 and 7.2 (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BACH 3098	25396	Psychosocial Wellbeing in Older Adults	3	A Introduction to Health Sociology and Introduction to Health Psychology.	1,2
BACH 3100	*25398*	Patient Education I	3		2
2. Psychology electives include the following (subject to minimum enrolment) - 3 credit points each					
BACH 3086	*25384*	Life Span Psychology and the Family	3		1,2
BACH 3087	*25385*	Advanced Counselling	3		2
BACH 3088	*25386*	Psychology of Sport & Exercise Adherence	3		1,2
BACH 3089	*25387*	Brain and Cognition	3	A Cognition and Cognitive Impairment BACH 2128 (252A3).	2
BACH 3090	*25388*	Psychology of Motor Behaviour	3		2
3. Sociology electives include the following (subject to minimum enrolment) - 3 credit points each					
BACH 1100	*25183X*	Sociology of Community and Family	3	p Foundations ofHealth Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. *NB: Also offered in off-campus mode.*	2
BACH 3081	*25379*	Sociology of Sport	3	P Foundations ofHealth Sociology or Introduction to Health Sociology. N Psychosocial Aspect of Recreation and Sport BACH 1102 (25185).	1,2
BACH 3083	*25381*	Culture, Health and Illness	3	A Introduction to Health Sociology BACH 1023 (2511C) or Health, Illness and Social Inquiry BACH 1134 (251A6).	Full year
BACH 3084	*25382*	Alternative Medicine	3	p Foundation of Health Sociology or Introduction to Health Sociology.	2
BACH 3085	*25383*	Death and Dying	3	p Introduction to Health Sociology. *NB: Not offered in 2003.*	1
4. Research electives - 6 credit points each					
BACH 4055	*25454*	Intermediate Statistics	6		1
BACH 4056	*25455*	Qualitative Research Methods	6		Full year
BACH 4057	*25456*	Survey Research Methods	6		2
5. Honours electives (offered subject to minimum enrolment) - 4 credit points each					
BACH 4058	*25457*	Abnormal Psychology and Mental Health	4		1,2
BACH 4059	*25458*	Addictive Behaviours	4		2
BACH 4060	*25459*	Cognitive Function in Neurological Disorders	4	A Cognition and Cognitive Impairment BACH 2128 (252A3). N Psychology of Aging.	1
BACH 4061	*25460*	Organisational Psychology	4	A Psychology background. *NB: Available is distance education mode.*	
BACH 4062	*25461*	Stress and Coping	4		1
BACH 4063	*25462*	Stress and Disability	4		1,2
BACH 4064	*25463*	Disability and the Community	4		1,2
BACH 4065	*25464*	Ethnic Minorities & Health Care in Australia	4		1,2
BACH 4066	*25465*	Health and Cultural Pluralism	4		1,2
BACH 4067	*25466*	Occupational Health and Stress	4		2
BACH 4068	*25467*	Organisational Structures in Health Contexts	4		1,2

■ Bachelor of Health Science (Rehabilitation Counselling)

This course is designed to provide for the development of professional skills and knowledge necessary for entry into the profession of Rehabilitation Counselling. Rehabilitation Counsellors are concerned with the development, implementation and management of rehabilitation programs for individuals who have become disabled through illness, accident or developmental or social disadvantage. The aim of such programs is to enable such individuals maximum participation in community life.

The degree is only to be completed on a full-time basis. A minimum of four years enrolment is required for those undertaking the course on a full-time basis. Enrolment for those undertaking the Honours component (which is entered at the commencement of Year three) is also four years full-time.

Admission requirements

The general admission requirements listed in Chapter 3 apply. It is recommended that students applying on the basis of Higher School Certificate results have studied Mathematics.

Mature aged applicants are encouraged to apply and need to meet the following requirements:

i) Professional or academic attainment other than HSC; AND

ii) A commitment to work in the rehabilitation counselling field; AND

iii) Preferably a minimum of one year's full-time employment in rehabilitation counselling, education or relevant field.

Mature age applicants may be required to attend the Faculty for an interview or to complete a questionnaire.

Course outlines

The course outlines for the Bachelor of Health Science (Rehabilitation Counselling) are presented in Table 7.3 and Table 7.4.

Table 7.3: Bachelor of Health Science (Rehabilitation Counselling) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2531: Pass course; full-time, 4 years					
■ Year 3 (last offered in 2003)					
BACH 3071	*25369*	Behaviour Disorders and Management	2		. 1
REHB 3002	*25307*	Rehabilitation Counselling IIA	3	p Rehabilitation Counselling IA REHB 2000 (25224), Rehabilitation Counselling IB REHB 2001 (25225).	1
REHB 3003	*25308*	Rehabilitation Counselling HB	3	p Rehabilitation Counselling IA REHB 2000 (25224), Rehabilitation Counselling IB REHB 2001 (25225).	2
REHB 3004	*25309*	Vocational Rehabilitation IHA	2		1
REHB 3005	*25310*	Vocational Rehabilitation IIIB	2	p Vocational Rehabilitation EIA REHB 3004 (25309).	2
REHB 3007	*25312*	Avocational Rehabilitation	2		2
REHB 3008	*25313*	Legal Perspectives of Rehabilitation	2		2
REHB 3009	*25314*	Medical Aspects of Disability A	2		1
REHB 3010	*25315*	Psychiatric Rehabilitation	2	p Rehabilitation counselling units year 1 and year 2.	2
REHB 3012	*25317*	Philosophy & Politics of Disability & Rehabilitation	2		1
REHB 3023	*25329*	Medical Aspects of Disability B	2		2
REHB 3046	*253D8*	Professional Practice III	16		Full year
Elective I (from Group A) Elective II (from Group A) Elective II (from Group A or B) Elective IV (from Group A or B)			Semester 1 credit points: 2. Semester 1 credit points: 2. Semester 2 credit points: 2. Semester 2 credit points: 2.		
Stage total for Year 3:			48 credit points		
■ Year 4 (last offered in 2004)					
BACH 4050	*25449*	Research Methods: Intermediate Statistics	3	p Research Methods I: Design BACH 1026 (2511F).	1
REHB 4002	*25420*	Rehabilitation Counselling IIIA	3		1
REHB 4003	*25421*	Rehabilitation Counselling IIIB	3		1
REHB 4004	*25422*	Group Research Project	6	p or Corequisite: Research Methods: Intermediate Statistics BACH 4050 (25449).	Full year
REHB 4005	*25424*	Professional Practice IV	27	p Professional Practice I REHB 1004 (25140), Professional Practice II REHB 2008 (25232), Professional Practice III REHB 3011 (25316). N At coordinator's discretion.	Full year
Elective V (from Group A) Elective VI (from Group A or B) Elective VII (from Group A or B)			Semester 1 credit points: 2. Semester 2 credit points: 2. Semester 2 credit points: 2.		
Stage total for Year 4:			48 credit points		

Table 7.3.1: Bachelor of Health Science (Rehabilitation Counselling) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2560: Honours; full-time, 4 year					
■ Year 3 (last offered in 2003) As per Pass course, PLUS: one Research elective (see chapter 18)			Semester 1 creditpoints: 3.		
REHB 3045	*25318*	Honours Workshop	2		2
Stage total for Year 3:			53 credit points		
■ Year 4 (last offered in 2004)					
REHB 4002	*25420*	Rehabilitation Counselling IIIA	3		1
REHB 4003	*25421*	Rehabilitation Counselling IIIB	3		1
REHB 4005	*25424*	Professional Practice IV	27	p Professional Practice I REHB 1004 (25140), Professional Practice II REHB 2008 (25232), Professional Practice III REHB 3011 (25316). N At coordinator's discretion.	Full year
REHB 4006	*25425*	Thesis	15		Full year
Stage total for Year 4:			48 credit points		

Table 7.4: Bachelor of Health Science (Rehabilitation Counselling) Pass

Unit code	Old code	Unit name	CP	A Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2578: Pass course; full-time, 4 years					
■ Year 1					
BACH 1133	*251A5*	Introduction to Health Psychology	6		1
BACH 1134	*251A6*	Health, Illness and Social Inquiry	6		1
BACH 1153	*251C6*	Rehabilitation Psychology	4	A Introduction to Health Psychology BACH 1133 (251A5) or equivalent.	2
BIOS 1126	*111D3/ 111*D3X	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode far off-campus students and possibly repeating students.*	2
REHB 1000	*25136*	Vocational Rehabilitation IA	3		1
REHB 1001	*25137*	Vocational Rehabilitation IB	3	P Vocational Rehabilitation IA REHB 1000 (25136).	2
REHB 1002	*25138*	Introduction to Rehabilitate Philosophy	3		1
REHB 1003	*25139*	Ethical Perspectives of Rehabilitation	3		2
REHB 1006	*251C7*	Professional Practice I	13		Full year
REHB 1007	*251C8*	Rehabilitation Counselling I	3		2
Stage total for Year 1:			48 credit points		
■ Year 2 (first offered in 2003)					
BIOS 2095	*112F0/ 112F0X*	Body Functions	4		1 (on-campus), 2 (off-campus)
BIOS 2096	*112F1/ 112F1X*	Body Functions and Disease	4	A Body Functions BIOS 2095 (112F0). *NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.*	1,2
REHB 2004	*25228*	Case Management & Rehabilitation Planning	2		1
REHB 2006	*25230*	Occupational Health, Disability & Rehabilitation A	2		1
REHB 2007	*25231*	Occupational Health, Disability & Rehabilitation B	2		2
REHB 2009	*252A7*	Vocational Rehabilitaiton IIA	3		1
REHB 2010	*252A8*	Vocational Rehabilitation ffB	3	*P* Vocational Rehabilitation HA REHB 2009 (252A7).	2
REHB 2011	*252A9*	Rehabilitation Counselling IIA	3		1
REHB 2012	*252B0*	Rehabilitation Counselling IIB	3	P RehabUitation Counselling IIA REHB 2011 (252A9).	2
REHB 2013	*252B1*	Professional Practice II	16	N (at coordinator's discretion).	Full year
REHB 2014	*252B2*	Philosophy and Politics of Disability and Rehabilitation	2		1
REHB 2015	*252B3*	Legal Perspectives of Rehabiliation	2		2
REHB 2016	*252B6*	Accident Compensation Schemes Practicum	2		2
Stage total for Year 2:			48 credit points		
■ Year 3 (first offered in 2004)					
BACH 3115	*253C7*	Behaviour Disorders and Management	3	*NB: First offered in 2004.*	1
BACH 3116	*253C8*	Designing Health and Social Research	3	*NB: First offered in 2004.*	2
REHB 3037	*253C9*	Vocational Rehabilitation IIIA	3		1
REHB 3038	*253D0*	Vocational Rehabilitation IIIB	3	*NB: First offered in 2004.*	2
REHB 3039	*253D1*	Avocational Rehabilitation	3	*NB: First offered in 2004.*	2
REHB 3040	*253D2*	Psychiatric Rehabilitation	3	*NB: First offered in 2004.*	2
REHB 3042	*253D4*	Rehabilitation Counselling UIA	3	*NB: First offered in 2004.*	1
REHB 3043	*253D5*	Rehabilitation Counselling IIIB	3	*NB: First offered in 2004.*	2
REHB 3044	*253D6*	Medical Aspects of Disability	3	*NB: First offered in 2004.*	1
REHB 3041	*253D3*	Professional Practice III	15		Full year

Table 7.4: Bachelor of Health Science (Rehabilitation Counselling) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Elective I (from Group A)			Semester 1 credit points: 2.		
Elective II (from Group A)			Semester 1 credit points: 2.		
Elective III (from Group A or B)			Semester 2 credit points: 2.		
Stage total for Year 3:			48 credit points		
■ **Year 4 (first offered in 2005)**					
BACH 1144	*251B6*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	1
REHB 4007	*25473*	Group Research Project	7	*NB: First offered 2005.*	Full year
REHB 4008	*25474*	Professional Practice IV	27	*NB: First offered 2005.*	Full year
REHB 4009	*25475*	Rehabilitation Counselling IV	3	*NB: First offered 2005.*	1
Elective IV (from Group A)			Semester 1 credit points: 2.		
Elective V (from Group A or B)			Semester 1 credit points: 2.		
Elective VI (from Group A or B)			Semester 1 credit points: 2.		
Elective VII (from Group A or B)			Semester 1 credit points: 2.		
Stage total for Year 3:			48 credit points		

Table 7.4.1:: Bachelor of Health Science (Rehabilitation Counselling) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2579: Honours; full-time, 4 year					
■ **Years** 1 **and** 2					
As per Pass course					
■ **Year 3 (first offered in 2004)**					
As per Pass course, PLUS:					
BACH 4019	*25418*	History & Philosophy of Scientific Methodology	3		1
REHB 4045	*25318*	Honours Workshop	2	*NB: First offered 2004.*	2
Stage total for Year 3:			53 credit points		
■ **Year 4 (first offered in 2005)**					
BACH 1144	*251B6*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	1
REHB 4010	2547(5	Rehabilitation Counselling IVH	4	*NB: First offered 2005.*	1
REHB 4011	*25477*	Professional Practice IVH	27	*NB: First offered 2005.*	Full year
REHB 4012	*25478*	Thesis	14	*NB: First offered 2005.*	Full year
Stage total for Year 4:			48 credit points		

Notes to Tables 7.3 and 7.4

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Students are required to complete seven (7) elective units, regardless of credit point value.					

Electives

■ **Group A**

AHCD 3012	*07346*	Aboriginal Studies	2		1
REHB 3024	*253A1*	Rehabilitation and Substance Abuse	2		1
REHB 3025	*253A2*	Rehabilitation of Public Offenders	2		2
REHB 3026	*253A3*	Rehabilitation of Persons with Developmental Disability	2		1
REHB 3027	*253A4*	Rehabilitation and Older People	2		1,2
REHB 3028	*253A5*	Rehabilitation of Persons with Acquired Brain Injury	2		1,2
REHB 3029	*253A6*	Rehabilitation of Persons from NESB	2		1,2
REHB 3030	*253A7*	Rehabilitation of Persons with Vision Impairment	2	*NB: Not offered in 2003.*	1,2
REHB 3031	*253A8*	Rehabilitation of Persons with Hearing Loss	2		1,2
REHB 3032	*253A9*	Rehabilitation of Spinal Injury		*NB: Not offered in 2003.*	
REHB 3033	*253B1*	Rehabilitation of Persons Living with HTV/AIDS	2	*NB: Offered depending on staff availability.*	1,2
REHB 3034	*253B2*	Rehabilitation & Post-Traumatic Stress Disorder	2		1

Notes to Tables 7.3 and 7.4 (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
REHB 3035	*253B3*	Chronic Pain in Rehabilitation	2		1
■ Group B					
BACH 3103	*253B5*	Contemporary Issues in Health & Medicine	2		1,2
BACH 3104	*253B6*	Health Planning, Policy and Evaluation	2		2
BACH 3105	*253B7*	Computing Applications for Health Practitioners	2	A Familiarity with Windows Operating System.	1,2
BACH 3106	*253B8*	Occupational Health and Stress	2		2
BACH 3109	*253C1*	Stress and Coping	2		1
BACH 3110	*253C2*	Stress and Disability	2		1,2
BACH 3111	*253C3*	Lifespan Psychology and Family	2		2
BACH 3112	*253C4*	Alternative Medicine	2		2
BACH 3113	*253C5*	Cognitive Functioning	2	p Introduction to Health Psychology. N Cognitive and Developmental Psychology BACH 1093 (25176), Cognitive Functioning BACH 1088 (25171), Cognitive Functioning BACH 2037 (2521Q), Psychology of Disability II BACH 2114 (25290).	2
BACH 3114	*253C6*	Behaviour Modification & Cognitive Therapy	2		
REHB 3036	*253B4*	Leisure & Recreation for People with Disability	2	P Avocational Rehabilitation. *NB: Not offered in 2003.*	
S tudents may select other faculty electives (with the approval of a Rehabilitation Counselling unit Academic Advisor). Electives of higher credit points value than 2 will demand more work of the student and will attract additional HECS fees. Examples of such electives include:					
BACH 1100	*25183X*	Sociology of Community and Family	3	p Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. *NB: Also offered in off-campus mode.*	2
HIMT 1039	*09139*	Microcomputer Applications	4		1
HIMT 3041	*09342*	Human Resource Management	3	*NB: Student places are limited.*	1

■ Field experience and professional practice

Bachelor of Health Science (Rehabilitation Counselling)

Field experience is an essential component in the overall process of developing professional competence and identity as a Rehabilitation Counsellor. It not only provides students with an opportunity to apply, integrate, reinforce and assess theoretical learning, but also allows them to appreciate the way in which rehabilitation counsellors and other allied professionals contribute to the effectiveness of the rehabilitation process.

Field placements are provided in a wide variety of rehabilitation and related health, welfare, vocational and independent living services in both the public and private sectors.

The objectives of field experience are that the students be provided with opportunities to:

- develop competence and professional identity as rehabilitation counsellors
- integrate theory taught at the University with practice learnt in the field. Field experience provides the context where all segments of the coursework merge and gain meaning
- develop an understanding of the values and principles of rehabilitation counselling practice as applied in different fields/levels of application
- develop knowledge and skills in various rehabilitation counselling methods and related activities under the guidance, supervision and support of experienced practitioners in the service delivery environment
- develop confidence, independence and autonomy as practitioners.

These objectives are fulfilled by placement blocks of supervised field practice complemented by agency visits, and where possible supported by seminars and tutorials. It is recommended that at least one placement is to be supervised by a practising/ qualified rehabilitation counsellor.

All students are required to complete 1000 hours of supervised field practice over the four year program, in the unit Professional Practice. This includes block field placements to be undertaken in Years 2, 3 and 4 during the inter-semester breaks. Students may elect to complete field placements on a part-time basis if available.

Fieldwork placements will normally occur during the normal working hours of professional rehabilitiation counsellors - approximately 9 am to 5 pm Monday to Friday. If these times are unsuitable for a student, it is the responsibility of the student to find an alternative placement agency and to have the agency and the terms of the placement endorsed by the Professional Practice coordinators in the School of Behavioural and Community Health Sciences.

Field placements are arranged by the coordinators of Professional Practice who are responsible for the overall coordination, monitoring and supervision of the field practice program. As far as practicable, the student's areas of interest and career goals are given consideration in the planning of their field placements.

The coordinators of Professional Practice can be contacted on (02) 9351 9329 or (02) 9351 9573.

■ Field placement dates

Bachelor of Health Science (Rehabilitation Counselling)

Year 1

118 hours of professional practice during semester and inter-semester periods.

Year 2'

315 hours of professional practice including one four week (140 hours) and one five week (175 hours) block placement during the inter-semester periods. Note: Students will be expected to have completed four weeks supervised field experience/agency work by the end of the July inter-semester recess year 2, before commencement of their second block placement.

1. The requisite number of hours need to be completed during this inter-semester break. Note: Some modifications to these schedules is possible to accommodate time constraints of students and supervisors. Students may be able to make choices concerning the venue of their placements.

Year3'

A five week (175 hours) block placement during the mid-year or end of year semester recess periods.

Year 4

A 10 week (350 hours) block placement during semester two. Students are required to attend university in the weeks prior to placement and complete appropriate assignments while on placement. This placement aims to integrate all subjects studied into practical experience and students are expected to work independently with supervision from placement advisors and the university supervisor.

■ Bachelor of Behavioural Health Science units of study

BACH 1025 Professional Practice and Ethics I

Old code 2511E. 5 credit points. Dr Liselotte Mutthen-Schulte. **Semester:** 2. **Prerequisite:** Introduction to Health Psychology BACH 1133 (251A5) and Illness, Health and Social Inquiry BACH 1133 (251A6). **Assessment:** Interactive review 25%. Presentation 15%. 2 hour exam 60%.

This unit introduces the student to the broad requirements of working at both the clinical and policy level in the health system. The unit introduces students to notions of values and conflicts, and explores the role of ethics, and ethical reasoning, within contemporary approaches to public life and health service delivery. The role of professionalisation, registration, and interest groups as promoting codes of conduct and the implications of these for both legal and ethical practice will be considered. The unit also provides information relating to the various laws pertaining to health practice, such as Duty of Care legislation, privacy laws, and various mental health acts. Students will be introduced to the notion of a legislative framework as a special circumstance underlying health service activities, and the ability to read and reflect on this framework will be developed. The unit also provides an introduction to skills in negotiation and dispute resolution in work sethngs.

Textbooks

Conflict Management: A Practical Guide. Condlitte, P. (1991). Tafe Publications.

Making Social Policy in Australia. (1996). Dalton, I., Drafer, II., & Wiseman. Allen and Unwin.

BACH 1100 Sociology of Community and Family

Old code 25183X. 3 credit points. Dr Ian Hughes. **Semester:** 2. **Classes:** 2 hours/week. **Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. **Assessment:** Assignments and examination.

NB: Also offered in off-campus mode.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit. Students will develop alternate scenarios for developing community and examine the various government interventions designed to replace the support that older communities provided for their members.

Textbooks

Manuals with key material and references

BACH 1133 Introduction to Health Psychology

Old code 251A5.6 credit points. **Semester:** 1. **Assessment:** Reports and examination.

Health psychology is a specialist area in psychology which explores the relationship between physical and psychological health, and athtudes, behaviours and individual differences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of consciousness, perception, and learning. These key psychological principles are then applied to psychological changes through the life cycle, psychological methodology, health psychology, individual differences, the psychology of groups and organisations, and psychological problems and their treatment.

BACH 1134 Health, Illness and Social Inquiry

Old code 251A6.6 credit points. Semester: 1. Assessment: Strand One - Class Essay (17.5%) and Examination (32.5%) Strand Two - In-Class Activities (10%), Written Assignment (10%), and Examination (30%).

This unit is comprised of two complementary 3 credit point strands: 1) 'Foundations of Health Sociology' and 2) 'Applied Sociology: Health Inequalities'. The first strand provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. This strand will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare. The second strand provides students with opportunities to apply their sociological knowledge in practice. Students will use two computer software packages - HealfhWIZ and MapWIZ - to research sources of health and population data, and to analyse this data using sociological concepts and theories.

BACH 1138 Health and Research Design: General

Old code 251B0.3 credit points. Semester: 1. Assessment: Mid semester class test 40%, 2 hour MC exam 60%.

The unit is designed to introduce students to the process of qualitative and quantitative research. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Various interview, survey, observational and epidemiological research designs will be introduced as well as concepts of experimental validity, single case research and group experimental research. Issues of reliability, validity, evidence-based practice and applied research designs will also be covered.

BACH 1141 Analysing Health Research: General

Old code 251B3.3 credit points. **Semester: 2. Assumed knowledge:** Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.

The purpose of this unit is to provide students with background information concerning the analysis of quantitative and qualitative research in health sciences in order to become informed consumers of health research. The unit will provide a brief introduction to approaches to research, major qualitative data analysis techniques, strategies of quantitative inference, principles of descriptive and inferential statistics, and will conclude with a discussion of the structure of research reports and critical literature appraisal.

BACH 1150 Physical Disability, Interaction & Community

Old code 251C3.6 credit points. **Semester:** 2. **Prohibition:** Introduction to Health Psychology BACH 1133 (251A5) or equivalent. **Assessment:** 1000 word assignment (20%), 2 hour short answer/MCQ Examination (30%), 2500 word report (50%).

This unit of study comprises three modules.

Module 1: Social Psychology examines the findings from research into social phenomena such as helping behaviour, aggression, prejudice, and conformity. The unit extends this examination to the application of findings to health care sethngs and practitioners.

Module 2: Disability Studies students will be exposed to an interdisciplinary perspective on the experiences of people with chronic illnesses and disability, as well as community and professional perceptions of disability. Both modules examine the psychology of client-practitioner communication and interaction.

Module 3: Community Psychology, explores the relationship between the principles of psychology and community action, community education and community programming. Issues such as health promotion, community development and mass media behaviour change campaigns will be examined.

BACH 1151 Clients, Practitioners & Organisations: Theoretical & Applied Perspective

Old code 251C4.6 credit points. **Semester: 2. Assessment:** 1500 word essay (25%), 1 hour Essay Examination (25%), Literature search and review of the literature (15%), Interview consumers/providers and presentation of the data (5%) and Results, discussions, and recommendations (20%).

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian Health Care System. The unit emphasises: sociology of client/

practitioner relationships; sociology of work and organisations in health care sethngs; theoretical perspectives on the self, the body, illness and identity.

The unit further develops students' skills on how to apply sociological knolwedge practice. The aim is to help students to understand the practicalities of the mechanism and operational processes of health care organisations, health provisions and service orientations. In the unit students will develop skills in literature searches, a collecting and analysis of date. This will be based on knowledge gained on 'Introduction to Health Sociology' and 'Sociology of Clients' Practhoners and Organisations'.

In this Independent Learning Module, students are expected to prepare an analysis report based on two activities outline below. Students will be given guidance on the preparation of a questionnaire that will be used to collect data consumers/ providers; how to interview consumers/providers; and how to search literature using the net.

BACH 1152 Communication Skills

Old code 251C5.3 credit points. **Semester: 1. Corequisite:** Introduction to Health Psychology.

This unit introduces students to the theories of therapeutic communication, basic counselling skills, and special applications of communication such as team decision making, conflict resolution and dealing with crisis and loss. Communication lectures introduce students to techniques and approaches involved in the development of sound oral and group communication skills, and complements the development of generic and profession-specific communication skills.

BACH 1158 Computing Applications for Health Sciences

Old code 251 DO. 3 credit points. Semester: 1. Assessment: Two practical assignments (equivalent of 1000 words) -worth 50% each. Computer software applications of relevance to health science will be covered including Excel, SPSS, MS Word (advanced features), Endnote, and library database. Data presentation and simple statistics for research purposes will be considered. Students will also be introduced to the use of the Internet as a research tool. The host of resources available on the Internet will be examined as will techniques for accessing and evaluating these. Resources of particular practical interest for students will be emphasised.

BACH 2038 Health and Social Theory

Old code 2521R. 6 credit points. Mr Dennis McIntyre. **Semester: 1. Classes:** On campus 4 hours/week. **Prerequisite:** Introduction to Health Sociology or Health, Illness and Social Inquiry. **Assessment:** Assignments and examination.

This unit considers classical and contemporary sociological theory as it applies to health care at a micro and macro level. It draws on a range of theoretical approaches including those of Marx, Weber, Goffman, Habermas, Foucault and Virchow. This unit will provide conceptual tools and will suggest practical applications of social theory to the health context. Skills will be developed in (a) identifying the social orgins of illness; (b) recognising relationships between soma, psyche, and affect as conditions of illness behaviour; and (c) treating illness as a social process. Social structure and social identity will be grounded in everyday life.

Textbooks

Selected readings (reader)

BACH 2039 Organisational Studies

Old code 2521S. 6 credit points. Dr Barbara Adamson. Semester: 2. Assumed knowledge: Introduction to Health Psychology. Prerequisite: Introduction to Health Sociology BACH 1023 (2511C).

This unit provides an introduction to fundamental areas in the sociology and psychology of organisations. Students will develop an appreciation of organisational shapes and sethngs and of organisational behaviour in current and/or future employment areas.

BACH 2040 Health Policy and Service Delivery

Old code 2521T. 6 credit points. Dr Carol O'Donnell. Semester: 2. Prerequisite: Introduction to Health Sociology BACH 1023 (2511C). Assessment: 1 project, 1 essay, 1 exam.

This unit provides an understanding of key social aspects of health and health service provision. It discusses Australian health policy and services, and the growth of a holistic and preventative health care focus in Australian and international contexts. Cross-cultural perspectives on health, and the effects of demographic change on health and health care need and provision are also addressed. Topics include the history and formal structure and funding of health services at federal, state and regional levels. Practical: Project; discussion of health policy in media

BACH 2128 Cognition and Cognitive Impairment

Old code 252A3.3 credit points. **Semester: 2. Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5). **Assessment:** 1000-1500 word assignment (50%); 90 minute MCQ / short answer examination (50%).

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning, and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities, and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness, and with developmental and learning disabilities.

BACH 2129 Psychological Disorders andTheir Treatment

Old code 252A4.6 credit points. **Semester: 1. Assumed knowledge:** Foundations of Psychology for the Health Sciences or Introduction to Health Psychology. **Assessment:** Class presentation and case formulations, 25%; Behaviour change exercise, 25%; essay/short answer/MC exam, 50%.

This unit incorporates and extends the content of the Maladaptive Behaviours and Behaviour Change Cross-Disciplinary unit (BACH 2126) It provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. The social implication of the use of psychological labels is discussed alongside the need for accurate and non-stigmatising language when discussing mental illness. Students will be presented with an overview of current etiological theories and best-practice treatment approaches for a range of common psychological conditions with reference to controlled treatment outcome studies. This unit also explores the cognitive- behavioural approach to the management of maladaptive behaviour and psychological dysfunction based upon the application of learning principles. The unit examines the theory and application of behavioural management strategies in a variety of clinical sethngs and contrasts these with competing models of psychological therapy.Students will also extend their knowledge of etilogy and treatment of common disorders by preparing inquiry-based case formulations for a series of fictitious case examples.

BACH 2131 Policy and Service Delivery in Health

Old code 252A6.6 credit points. Semester: 2. Prerequisite: Foundations of Health Sociology or Health, Illness and Social Inquiry. Assessment: 1000 word essay (20%), 2 hour exam Essay and short answer questions (30%), 2500 word workplace project (50%).

This unit provides an understanding of key aspects of the relationship between Australian society, health and health service provision. It discusses the development, delivery and evaluation of Australian health and disability policy and services in a global context and across the life span. The importance of a holistic and preventive approach to health policy is stressed and the relationship between service access, equity, quality and cost is discussed. Students will complete a workplace report based upon their experiences in the health and welfare workplace.

BACH 3075 Health Psychology

Old code 25373.6 credit points. Dr Steve Cumming. **Semester: 1. Classes:** Lecture and Seminar. **Prerequisite:** Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124 (2521Y). **Assessment:** 2 essays, 2 x 1 hour exam.

This unit examines two major areas of health psychology. Firstly, psychological approaches to understanding and managing pain, and the relationship of pain to injury and chronic illness is considered. Pain is a complex multi-dimensional construct with sensory, emotional, motivational, behavioural, and environmental components. Current theoretical debates regarding the nature and perception of acute and chronic pain are introduced, and techniques currently used in the management of acute and chronic pain/are surveyed. Secondly, students are acquainted with the major approaches to understanding and conceptualising stress and coping in our society. Stress represents a reaction to a situation or event which depends on personality, the person-environment fit and the presence of social support. Aspects of the work situation and human service organisations are identified as foci for the study of stress. The

seminar program aims to give students a first hand knowledge of the assessment strategies used in stress research and management, and direct participation in stress management skills, including relaxation, time management, goal sethng and developing coping skills.

Textbooks

Manual and text

BACH 3076 **Counselling and Assessment**

Old code 25374.6 credit points. Dr Steve Cumming. **Semester: 1. Prerequisite:** Abnormal Behaviour BACH 2034 (2521N); Behaviour Management BACH 2124 (2521Y). **Assessment:** Assignment and final examination.

This unit provides an overview of issues and techniques involved in the assessment of children, adults and families, and will introduce the student to the main approaches in the various schools of counselling and psychotherapy. Students will develop skills in basic counselling approaches, and will develop an awareness of the techniques that underlie creditable psychotherapies. In addition, the principles of psychological test construction, administration and interpretation will be examined. Students will acquire an ability to understand how to perform a behavioural assessment, how to make use of reports provided by a psychologist, and what is involved in the referral and treatment of complex psychological and psychosocial problems. A seminar program will concentrate on students developing basic counselling and behaviour change skills.

BACH 3077 **Workplace Attachment**

Old code 25375.6 credit points. Dr Steve Cumming. Semester: 2. Prerequisite: Introduction to Health Psychology and Professional Practice and Ethics I. Assessment: Assignment.

This unit involves two components. Firstly, students undertake a three week workplace attachment during the inter-semester break. Secondly, students will meet during semester to discuss their fieldwork experiences, in terms of the goals of the workplace, and of the policy, ethical, legal, communication, and management issues and applications encountered. Students will submit a detailed report of the workplace attachment, analysing the experience in terms of each of these dimensions.

Practical: 15 days fieldwork

BACH 3078 **Professional Practice and Ethics II**

Old code 25376.3 credit points. **Semester: 1**. **Prerequisite:** Professional Practice and Ethics I BACH 1025 (2511E). **Assessment:** Assignment and examination.

This unit identifies the themes developed in the introductory unit and explores them from two angles. The first is the expectation that students will develop a set of values that inform professional practice, and identify how these values may be expressed in a diverse and multicultural society. The second is that students Will be required to understand issues associated with professional conduct, supervision, registration and required practice, and how these may impact on their envisaged role within organisations. In seminars students will be expected to work through examples of ethical and professional dilemmas, and to demonstrate the application of communication, negotiation and dispute resolution skills.

BACH 3079 **Health Policy Development**

Old code 25377.6 credit points. DrZakia Hossain. **Semester:** 1. **Classes:** 4 hours/week. **Prerequisite:** Health Policy and Service Delivery BACH 2040 (2521T). **Assessment:** Final assignment and examination.

this unit extends the analysis of health related policy. Students will develop skills in needs assessment, program development, program implementation and program evaluation. Case studies of health policy service will be used for analysis.

BACH 3081 **Sociology of Sport**

Old code 25379.3 credit points. Mr Ian Andrews. Semester: 1, 2. Classes: On-campus 2 hours/week. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology. Prohibition: Psychosocial Aspect of Recreation and Sport BACH 1102 (25185). Assessment: Assignment/examination.

This unit examines the nature of modern sporting forms and practices, and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age, and disability); ideology, power and politics in sport; the links between sport and 'community '; and the relationship between the mass media and professional sports.

BACH 3082 **Sociology of the Aged and Ageing**

Old code 25380.3 credit points. Dr Rosemary Cant or DrZakia Hossain. **Semester: 1. Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry.

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno^specific accommodation will be examined. Students will be expected to use these concepts in an analysis of current government interventions.

BACH 3083 **Culture, Health and Illness**

Old code 25381.3 credit points. Ms Ann Hale. **Semester:** Full year. **Classes:** On campus 2 hours/week. **Assumed knowledge:** Introduction to Health Sociology BACH 1023 (2511C) or Health, Illness and Social Inquiry BACH 1134 (251A6). **Assessment:** Final assignment.

This unit provides a cross-cultural and comparative analysis of health and human behaviour. It focuses on the inter-relationship between culture, medical systems, and social organisation in non-Western and Western societies with emphasis upon the health needs of Aboriginal and migrant peoples. Students will develop a series of alternate scenarios to designed to address current health issues.

BACH 3084 **Alternative Medicine**

Old code 25382.3 credit points. Ms Ann Hale. **Semester:** 2. **Classes:** 2 hours/week. **Prerequisite:** Foundation of Health Sociology or Introduction to Health Sociology. **Assessment:** Rnal assignment.

This unit draws on cross-cultural examples of indigenous healing practices and contemporary applications of alternative medicine. The unit will provide a historical analysis of how many of these therapies have been assimalated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 3085 **Death and Dying**

Old code 25383.3 credit points. A/Prof Glynnis Howarth. **Semester: 1**. **Classes:** 2 hours/week. **Prerequisite:** Introduction to Health Sociology. **Assessment:** Final assignment.

NB: Not offered in 2003

This unit introduces sociological approaches to death and dying. A central theme of this unit is the issue of how socially and culturally constructed approaches to death and dying manifest themselves in social norms, and in particular systems of health care and bereavement provision. Changes in the place and nature of death throughout the twentieth century are discussed in terms of social developments such as declining mortality rates, changes in the nature of family and community networks, increased geographical mobility, and growing secularisation.

BACH 3086 **Life Span Psychology and the Family**

Old code 25384.3 credit points. Semester: 1, 2.

This unit introduces students to a life span approach to human development, focussing on the physical, cognitive and psychosocial changes experienced during each life stage. Psychological development in the latter half of the life-span is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships and health status that occur across the life span are also traced. The unit will investigate the role of the family as a central component of modern society, and explore developmental approaches to the family parallel to studies of individual development.

BACH 3087 **Advanced Counselling**

Old code 25385.3 credit points. Dr Chris Lennings. **Semester:** 2. **Classes:** Seminar groups. **Assessment:** Case study discussions and critques.

This unit builds on Counselling and Assessment, and extends the Corey model of counselling. Students will practice applying problem finding and problem solving counselling strategies. The unit will also introduce students to advanced behaviour change techniques, particularly relationship counselling, family therapy and group therapy.

Textbooks

Theories and Practice of Counselling and Psychotherapy. Corey, G (2000).

BACH 3088 Psychology of Sport & Exercise Adherence

Old code 25386.3 credit points. Ms Justine Stynes. **Semester: 1,2. Assessment:** Assignment and examination.

This unit examines the application of principles of psychology in the sporting context. The concepts of motivation and self-confidence in sport, social relations, group interactions and sport-related social phenomena, cognitive strategies to enhance sporting performance, the psychological benefits of exercise are considered along with psychological approaches to exercise adherence.

Textbooks

Book of Readings

BACH 3089 Brain and Cognition

Old code 25387.3 credit points. Dr Lynne Harris. **Semester: 2. Classes: 2. Assumed knowledge:** Cognition and Cognitive Impairment BACH 2128 (252A3). **Assessment:** Assignment and examination.

This unit introduces the neuropsychological approach to brain-behaviour relationships and considers the cognitive-neuropsychological approach to understanding fundamental cognitive processes. The cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation are considered.

Textbooks

Cognitive Neuroscience: The Biology of the Mind. Gazzaniga, MS, Ivry, RB Mengon. Norton.

BACH 3090 Psychology of Motor Behaviour

Old code 25388.3 credit points. **Semester:** 2.

This unit will cover information processing and the human sensory-motor system, stages of skill acquisition, motor development, age and skill, automatic versus conscious motor control, expert-novice skill differences, ecological and motor program approaches, motor learning and rehabilitation sethngs, operant applications, biofeedback, and behaviour modification, hemispheric specialisation, handedness, vision and kinesthesis in motor control.

BACH 3095 Ageing Society and Professional Practice

Old code 25393.3 credit points. Dr Cherry Russell. **Semester: 1, 2. Classes:** Independent and learning package. **Assumed knowledge:** Introduction to Health Sociology. **Assessment:** Report.

This unit aims to contribute to effective professional practice in an ageing society. It provides an overview of key themes and issues including demographic ageing, social constructions of ageing, retirement, social divisions and public policy directions.

Textbooks

Australia's New Aged. (1996). Macallum, J. and Geiselhart, K. Allen and Unwin

BACH 3096 Older People in the Community

Old code 25394.3 credit points. Dr Cherry Russell. Semester: 1, 2. Classes: Independent learning package/ off campus. **Assumed knowledge:** Introduction to Health Sociology. **Assessment:** 2 x assignments.

This unit examines (i) the home and community environment of older people in relation to factors which affect their health and quality of life; (ii) the provision of community services for frail or disabled older people.

Textbooks

Australia's New Aged. (1996). Macallum, J. and Geiselhart, K. Allen and Unwin

BACH 3097 Older People in Care

Old code 25395.3 credit points. **Semester: 2. Assumed knowledge:** Introduction to Health Sociology. **Assessment:** 2 assignments.

This unit examines a range of issues in the provision of residential care for frail and disabled older people, including the concept of 'institutionalisation', quality of residential life, and public policy directions.

BACH 3098 Psychosocial Wellbeing in Older Adults

Old code 25396.3 credit points. Dr Steve Cummings and A/Prof Glynnis Horwarth. **Semester: 1,2. Classes:** 2 hours. **Assumed knowledge:** Introduction to Health Sociology and Introduction to Health Psychology. **Assessment:** Two essays.

This unit aims to (i) provide a broad understanding of factors affecting psychosocial wellbeing in later life; (ii) examine types of mental disorder (especially dementia and depression) and their occurrence among older people.

BACH 3099 Law for Health Professionals

Old code 25397.3 credit points. Dr Judith Mair. Semester: 1. Classes: 2 hours/week. **Assessment:** 1. Court report 2. Seminar presentation. 3. Examination.

In this unit students will be introduced to the structure and function of the Australian legal system as a basis for understanding the way in which the legal system deals with matters related to the delivery of health care. The progress of a case from pre-trial processes to court practices will be reviewed. Students will be introduced to substantive law relevant to clinical practice such as negligence, assault and consent, and false imprisonment. The criminal law system is covered, especially when relevant to clinical practice. Students will also be referred to relevant statutory law, Commonwealth and State.

Practical: Court visit and report

Textbooks

Advised at commencement of course

BACH 3100 Patient Education I

Old code 25398.3 credit points. Semester: 2.

Patient education is embedded in the role of all health professionals. In this unit you will be introduced to the context in which patient education occurs as well as the fields of knowledge on which patient education is based and models of behaviour change relevant to patient education.

BACH 4054 Research Project

Old code 25453.34 credit points. **Semester:** Full year.

Semester 1:14 credit points. Semester 2: 20 credit points.

BACH 4055 Intermediate Statistics

Old code 25454.6 credit points. Dr Peter Choo. Semester: 1. **Classes:** On campus 3 hours/week. **Assessment:** Written assignment and examination.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BACH 4056 Qualitative Research Methods

Old code 25455.6 credit points. Dr Cherry Russell. **Semester:** Full year. **Classes:** 3 hours/week in class.

This unit introduces students to the major philosophical and theoretical foundations underlying qualitative research. The unit examines the relationship between research questions and appropriate study designs, as well as the issues of sampling and ethical considerations. Students will develop skill in the use of various interviewing and observational techniques, content analysis and socio-historical research methods. Issues of sampling, the relationship between theory and method, validity and reliability will be explored. Students will gain experience in the analysis of qualitative data and consider issues related to conceptualisation, social contest, proposition testing and theory development. The use of computer programs for the analysis of qualitative data will be discussed.

BACH 4057 Survey Research Methods

Old code 25456.6 credit points. Dr Kate O'Loughlin. Semester: 2. **Classes:** Mondays, 5-8 pm.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BACH 4058 Abnormal Psychology and Mental Health

Old code 25457.4 credit points. **Semester:** 1, 2.

This elective addresses major psychological disorders and the current classifactory and diagnostic systems available. Critiques of nosologies and taxonomies eill be provided and alternative individualised systems of assessment useful for research will be discussed. Detailed consideration of the major philosophical quetions underpinning current approaches to psychotherapy will be encouraged, including such concepts as person, personality, mental illness, theories of the origins of mental illness, and treatment approaches. A critical review of ethical and legal dilemmas in the practice of psychotherapy will be highlight.

BACH 4059 **Addictive Behaviours**

Old code 25458.4 credit points. Semester: 2.

This unit examines the biological, psychological, and social influences that contribute to the development and maintenance of addictive behaviours. The physical, social and occupational consequences of addictive behaviours are examined, along with current approaches to the management of addictive behaviours.

BACH 4060 **Cognitive Function in Neurological Disorders**

Old code 25459.4 credit points. Dr Lynne Harris. **Semester: 1. Classes:** Contract Learning. **Assumed knowledge:** Cognition and Cognitive Impairment BACH 2128 (252A3). **Prohibition:** Psychology of Aging. **Assessment:** Assignments and essay.

This elective will consider the principles of cognitive function applied to a range of nerological disorders (eg, Alzheimer's disease,amnestic disorders, developmental disability). The emphasis will be on understanding cognitive impairments and considering strategies for managing these impairments.

Textbooks

Cognitive Neuroscience: The Biology of the Mind. Gazzaniga, MS, Ivry, RB Mengon. Norton.

BACH 4061 **Organisational Psychology**

Old code 25460.4 credit points. Dr Barbara Adamson. **Classes:** Contract Learning, On campus or Off campus. **Assumed knowledge:** Psychology background. **Assessment:** Continuous.

NB: Available is distance education mode.

This unit covers recent topics of interest to students who wish to further their understanding of organisational behaviour. Topics will include: dimensions of personality, occupational choice and personnel selection; work motivation and work satisfaction and their relationship with performance, absenteeism and turnover; organisational change and effective implementation; downsizing and its impact on organisational behaviour and organisational climate; working conditions, for example, shift work and their effects on work performance; and, women and work. This unit if offered on campus as a directed independent study.

Textbooks

Manual with key references

BACH 4062 **Stress and Coping**

Old code 25461.4 credit points. Semester: 1.

This unit considers how social context and external factors influence 'stress'. Arguments that the term 'stress' is misleading and that emphasis should be placed on changing external factors or social conditions will be considered. The effects of interpersonal and social relations on health and well-being and factors such as friendship, love and attraction will be considered. Cases of stressors impinging differentially across varying ages, gender, and socio economic factors and different religious groups are emphasised. In looking at the nature of coping and its effect on stress, the concept of stress mastery is addressed, models of coping compared and contrasted and their relationship to the construction of stress management programs critically evaluated. Individual differences in personality and their effect on coping will be considered, especially with respect to generating research. The research potential of procedures which focus on the modification of stress-related behaviours, such a Type A Behaviour, exercise and smoking will also be considered.

BACH 4063 **Stress and Disability**

Old code 25462.4 credit points. Semester: 1,2.

This elective examines the incidence of disabilities. Community perceptions will be examined, including the reasons behind the existence of 'high profile', 'stigma' and 'cultural acceptability' differences across disabilities. Factors associated with living with a disability will be examined, and the relationship of research to individual accounts critically examined.

BACH 4064 **Disability and the Community**

Old code 25463.4 credit points. Semester: 1,2.

This unit examines definitions of disability and handicap. Ways of viewing disability and handicap affect how people with disabilities are treated in the community and in health care sethngs, and these will be a focus of the unit. Students will be encouraged to focus their study on a particular segment of the community (ie, health professionals, different ethnic groups or media) and examine that group's athtude toward people with disabilities. Alternatively, students may examine how a particular group in the community is viewed (ie, women, children or people iwth a specific condition). The underlying aim will be for students to develop strategies for improving athtudes in their chosen area. Some of the topics covered will be definitions of disability and handicap, models of disability (medical, social, psychological, psychosocial), origins of athtudes toward disability, athtudes of particular goups in the community and strategies for improving community athtudes toward disability.

BACH 4065 **Ethnic Minorities & Health Care in Australia**

Old code 25464.4 credit points. **Semester:** 1,2.

This unit will examine multicultural health policy and the general health status of ethnic minorities in Australia, as well as issues of access to health services and equity in the provision of health care. Students will then select a particular aspect of ethnicity and health care for examination in detail.

BACH 4066 **Health and Cultural Pluralism**

Old code 25465.4 credit points. **Semester: 1**,2.

This unit examines the health values and experiences of young people and their familites in a multicultural society. The Australian government and people have embraced the concept of multiculturalism yet health care delivery is rooted in a monocultural paradigm in which cultural difference in treatment and sickness behaviour are of peripheral importance. Sociological analysis will be used to examine demographic issues, cultural values, sicness behaviour, family structures and community athtudes in preventative and remedial health care. Government policies and provisions will also be examined and the way in which these have responded to Australia's changing populations will be analysed.

BACH 4067 **Occupational Health and Stress**

Old code 25466.4 credit points. **Semester:** 2.

This elective examines Occupational Health and Safety (OHS) issues within the context of social, economic and political processes and structures. Particular emphases will be placed on OHS as an industrial relations issue, state intervention in OHS policies and the role of the medical and legal professions. Factors which affect occupational performance, experience and satisfaction, health and well-being will be considered, and reference made to studies attempting to explore and modify stress in various organisations, with a view to original research. A range of research topics concerning work performance are encompassed in this elective: work motivation and satisfaction, occupational stress, and work conditions and practices such as shift work, workspace, layout and design, noise, temperature and air pollution.

BACH 4068 **Organisational Structures in Health Contexts**

Old code 25467.4 credit points. Dr Rosemary Cant. **Semester:** 1,2. **Classes:** On campus 2 hours/week. **Assessment:** Continuous assessment.

This unit focuses on the rational structuring of organisations and relates it to administrative problem solving. Itr examines the effects of societal context on organisational growth and the interdependence between layers or sectors of organisations. It contrasts the characteristics of private, public sector and voluntary organisations and uses power and interests as analytic concepts to elucidate process.

Practical: 4 hours of fieldwork

Textbooks

Manual

BACH 5298 **History & Philosophy of Scientific Methodology**

Old code 25594.6 credit points. Dr Rod Rothwell. **Semester: 1**. **Classes:** On-campus night course. **Assessment:** 2 assignments 1000 words each.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the nature of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks

What is this thing called Science? (1994). Chalmers, A. University of Queensland Press.

The Name of Science: Problems and Perspective. (1997). Hung, E.- Wadsworth Press

BIOS 1126 **Human Biology and Biochemistry**

Old code 111D3/111D3X. 4 credit points. Dr Peter Knight. **Semester: 2. Assumed knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied:

the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development. .

BiOS 2095 **Body Functions**

Old code 112F0/112F0X. 4 credit points. Dr Patricia Weerakoon. **Semester: 1** (on-campus), 2 (off-campus). **Assessment:** MCQ and SAQ 40% End Semester exam 60%.

This unit of study will provide the students with an integrated understanding of the structure and function of the human body. The content will be based on the concept of homeostasis in health and disease. This will be developed in terms of 'body systems'. The unit will build upon material in BIOS 1126 and will provide a knowledge base for further studies in Biomedical Sciences.

The learning methodology will include; on-line modules with embedded formative assessments, complemented by lectures and tutorials. Collaborative learning will be encouraged with the provision of on-line discussion forums and email. Profession-specific work sheets will allow students to understand the application of biomedical principles to their personal context.

Textbooks

Hole's Essentials of Human Anatomy and Physiology, 8th Edition. Shier, D., Butler, J and Lewis, R. (2000). McGraw-Hill Higher Education.

HIMT 3041 **Human Resource Management**

Old code 09342.3 credit points. Joanne Callen. **Semester: 1. Classes:** On-campus attendence for 3 day block. **Assessment:** Assignments.

NB: Student places are limited

This unit is designed to introduce the student to the human resource management function relevant to the work of a health services manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered. Students are taught how to prepare then-own curriculum vitae, job application skills and interview techniques.

■ Bachelor of Health Science (Rehabilitation Counselling) units of study

AHCD3012 **Aboriginal Studies**

Old code 07346,2 credit points. Semester: 1.

This unit provides an introduction to Aboriginal Health to give students a critical understanding of the historical, social, political and economic factors which have impacted on Aboriginal health, along with an awareness of Aboriginal Culture.

BACH 1100 **Sociology of Community and Family**

Old code 25183X. 3 credit points. Dr Ian Hughes. Semester: 2. Classes: 2 hours/week. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. Assessment: Assignments and examination.

NB: Also offered in off-campus mode.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit. Students will develop alternate scenarios for developing community and examine the various government interventions designed to replace the support that older communities provided for their members.

Textbooks

Manuals with key material and references

BACH 1133 **introduction to Health Psychology**

Old code 251A5.6 credit points. **Semester: 1. Assessment:** Reports and examination.

Health psychology is a specialist area in psychology which explores the relationship between physical and psychological health, and athtudes, behaviours and individual differences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of consciousness, perception, and learning. These key psychological principles are then applied to psychological changes through the life cycle, psychological methodology, health psychology, individual differences, the psychology of groups and organisations, and psychological problems and their treatment.

BACH 1134 **Health, Illness and Social Inquiry**

Old code 251A6.6 credit points. **Semester:** 1. **Assessment:** Strand One - Class Essay (17.5%) and Examination (32.5%) Strand Two - In-Class Activities (10%), Written Assignment (10%), and Examination (30%).

This unit is comprised of two complementary 3 credit point strands: 1) 'Foundations of Health Sociology' and 2) 'Applied Sociology: Health Inequalities'. The first strand provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. This strand will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare. The second strand provides students with opportunities to apply their sociological knowledge in practice. Students will use two computer software packages - HealthWIZ and MapWIZ - to research sources of health and population data, and to analyse this data using sociological concepts and theories.

BACH 1153 **Rehabilitation Psychology**

Old code 251C6.4 credit points. Dr Rosemary Pynor (9351 9598), Dr Barbara Adamson (9351 9579), DrGomathi Sitharthan (9351 9584) and Dr Rob Heard (02) 9351 9498). **Semester: 2. Classes:** 26 hours lectures 13 hours seminars and 13 hours equivalent self-directed activity. **Assumed knowledge:** Introduction to Health Psychology BACH 1133 (251A5) or equivalent. **Assessment:** 2 assignments (20% each) and 1 multiple choice/short answer examination (60%).

This unit consists of three strands. In the first, Disability, students learn a general understanding of the social position and life experiences of people living with disabilities. On the basis of this knowledge students are able to examine their own athtudes and professional behaviour towards people with disabilities. The second strand, Social Psychology, introduces theories and research on interaction between people, particularly at work. The third strand, Psychology of Work, introduces the main psychological approaches employed in understanding work behaviour.

Textbooks

No set texts. Various recommended readings and manuals.

BACH 3071 **Behaviour Disorders and Management**

Old code 25369.2 credit points. **Semester:** 1.

The application of behavioural techniques to a variety of situations is studies. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, illness and stigma, in drawing up contacts such as the rehabilitation program plan, in job coaching and employer negotiations.

BACH 3103 Contemporary Issues in Health & Medicine

Old code 253B5.2 credit points. Dr Kaye Brock. Semester: 1,2. Classes: 2 hours/week. Assessment: Case study, report/seminar. Students familiarise themselves with contemporary issues in health and medicine. The combined knowledge and skills from previous learning is utilised in their critical evaluation of these issues.

Textbooks

No core text

BACH 3104 Health Planning, Policy and Evaluation

Old code 253B6.2 credit points. Dr Zakia Hossain. Semester: 2. Classes: 1 hour/week. Assessment: Assignment (project).

The purpose of this unit is to introduce students to the basic elements of needs assessment, program planing and evaluation in areas of health and health services. Topics include program planning concept, concept of need assessment, theories of change, implementation process and evaluation techniques.

Textbooks

Book of readings

BACH 3105 Computing Applications for Health Practitioners

Old code 253B7.2 credit points. Dr Peter Choo. Semester: 1, 2. Assumed knowledge: Familiarity with Windows Operating System. Assessment: 2 assignments and projects.

In this unit students will be introduced to computer systems in general with special emphasis on personal computers, including operating systems and concepts for computing. The basic principles for programming will be introduced. Popular applications of relevance to health practitioners and individual clinicians will be covered including spread sheets for preparation of budgets and reports; word processing for billing and correspondence; and data base managers for maintaining patient or client records. Methods of using data stored by these means for research purposes will be considered. Students will also be introduced to the world of the Internet and encouraged to communicate with colleagues elsewhere in Australia and overseas. The host of resources available on Internet will be covered as will techniques for accessing these. Resources of particular interest for students' professional practice will be emphasized.

BACH 3106 Occupational Health and Stress

Old code 253B8.2 credit points. Semester: 2.

OHS issues are examined within the context of social, economic and political processes and structures. Particular emphasis is placed on OHS as an industrial relations issue, state intervention in OHS policies and the role of the medical and legal professions. Factors which affect occupational performance, experience and satisfaction, health and well being are considered, and reference made to studies attempting to explore and modify stress in various organisations.

BACH 3109 Stress and Coping

Old code 253C1.2 credit points. Semester: 1.

The elective considers how social context and external factors influence 'stress'. Arguments that the term 'stress' is misleading and that emphasis should be placed on external factors or social conditions are considered. The concept of stress mastery is addressed, models of coping compared and their relationship to the construction of stress management programs critically evaluated.

BACH 3110 Stress and Disability

Old code 253C2.2 credit points. Semester: 1,2.

The elective examines the incidence of various disabilities. Community perceptions are examined, including the reasons behind the existence of 'high profile', 'stigma' and 'cultural acceptability' differences across disabilities. Factors associated with living with a disability are examined, and the relationship of research to individual accounts critically examined.

BACH 3111 Lifespan Psychology and Family

Old code 253C3.2 credit points. Semester: 2.

This unit introduces students to a life span approach to human development, focussing on the physical, cognitive and psychosocial changes experienced during each life stage. Psychological development in the latter half of the life-span is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships and health status that occur across the life-span are also traced. The unit will investigate the role of the family as a central component of modern society, and explore developmental approaches to the family parallel to studies of individual development.

BACH 3112 Alternative Medicine

Old code 253C4.2 credit points. Ms Ann Hale. Semester: 2. Classes: 2 hours/week. Assessment: Final Assignment.

This unit draws on cross-cultural examples of indigenous healing practices and contemporary applications of alternative medicine. The unit will provide a historical analysis of how many of these therapies have been assimalated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 3113 Cognitive Functioning

Old code 253C5.2 credit points. **Semester: 2. Prerequisite:** Introduction to Health Psychology. **Prohibition:** Cognitive and Developmental Psychology BACH 1093 (25176), Cognitive Functioning BACH 1088 (25171), Cognitive Functioning BACH 2037 (2521Q), Psychology of Disability II BACH 2114 (25290). **Assessment:** Assignments and examination.

This unit presents an information processing approach to cognitive functions such as pattern recognition, attention, and memory. The logic, theory, and methodology of cognitive experimentation is examined and considered in relation to neurologically intact and impaired individuals.

Textbooks

Cognitive Psychology. (3rd ed). Eysenck & Keane. (1995). Erlbaum.

BACH 3114 Behaviour Modification & Cognitive Therapy

Old code 253C6.2 credit points. Dr Steve Cumming. **Classes:** 1. **Assessment:** Assignment.

The elective covers the basic principles of learning theory and their application to research in health care sethngs in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students develop programs based on reinforcement principles.

BACH 4050 Research Methods: Intermediate Statistics

Old code 25449.3 credit points. Dr Peter Choo. **Semester: 1. Classes:** On campus 3 hours/week. **Prerequisite:** Research Methods I: Design BACH 1026 (2511F). **Assessment:** Written assignment and examination.

This unit builds on Research Methods 2: Data Analysis and Statistics BACH 1118 (2511R) and introduces students to basic qualitative and quantitative data analysis techniques. Using examples from physiotherapy practice, this unit introduces students to statistical reasoning and extracting meaning from data. Students will learn about frequency distributions and the visual representation of data, cross-tabulations, measures of central tendency and variability, distributions and standard across and correlation, and tbe introduced to regression, chi-square tests, confidence intervals, z-tests, t-tests and analysis of variance. Students will learn how to use computers to assist in data analysis and gain some experience in the analysis of qualitative data.

BIOS 1126 Human Biology and Biochemistry

Old code 111D3/111D3X. 4 credit points. Dr Peter Knight. **Semester: 2. Assumed knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied:

the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

BIOS 2095 **Body Functions**

Old code 112F0/112F0X. 4 credit points. Dr Patricia Weerakoon. Semester: 1 (on-campus), 2 (off-campus). Assessment: MCQ and SAQ 40% End Semester exam 60%.

This unit of study will provide the students with an integrated understanding of the structure and function of the human body. The content will be based on the concept of homeostasis in health and disease. This will be developed in terms of 'body systems'. The unit will build upon material in BIOS 1126 and will provide a knowledge base for further studies in Biomedical Sciences.

The learning methodology will include; on-line modules with embedded fonnative assessments, complemented by lectures and tutorials. Collaborative learning will be encouraged with the provision of on-line discussion forums and email. Profession-specific work sheets will allow students to understand the application of biomedical principles to their personal context.

Textbooks

Hole's Essentials of Human Anatomy and Physiology, 8th Edition. Shier, D., Butler, J and Lewis, R. (2000). McGraw-Hill Higher Education.

BIOS 2096 **Body Functions and Disease**

Old code 112F1/112F1X. 4 credit points. Dr Elizabeth Hegedus. Semester: 1,2. Assumed knowledge: Body Functions BIOS 2095 (112F0). Assessment: Self-evaluation tasks - CD ROM and Web, Mid Semester exam 40% (MCQ and SAQ) and End Semester exam 60% (MCQ and SAQ).

NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.

This unit continues from BIOS 2095 and builds the students' understanding of disease processes and the associated medical terminology. This will include:

- An introduction to mechanisms of disease and basic pathophysiology
- Study of the blood and immune systems and associated disorders, followed by a discussion of cross infection and principles of infection control
- Disorders and principles of disease management, including an introduction to basic pharmocology in the following body systems: cardiovascular, respiratory, gastrointestinal, endocrine, reproductive, renal, nervous and musculoskeletal systems.

Student learning will be facilitated with lectures and profession-based tutorials, together with CD ROM and Web based material.

Textbooks

Mulvihill, ML, Zelman, M, Holdaway, P, Tompary, E, Turchany, J. (2001) Human Diseases: A systemic approach, 5th Edition, Prentice-Hall, New Jersey.

HIMT1039 **Microcomputer Applications**

Old code 09139.4 credit points. Semester: 1. Classes: On-campus attendance, day classes. Assessment: Assignments/examinations.

In this unit students are introduced to microcomputer applications. These include the MS Windows 2000 Operating System, email, a spreadsheet and a word processing package, an introduction to PowerPoint, and instructions to use Internet browsers. Students will be able to evaluate advantages and limitations of microcomputers in comparison to mainframe computers.

HIMT 3041 **Human Resource Management**

Old code 09342.3 credit points. Joanne Callen. Semester: 1. Classes: On-campus attendence for 3 day block. Assessment: Assignments.

NB: Student places are limited

This unit is designed to introduce the student to the human resource management function relevant to the work of a health services manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered. Students are taught how to prepare their own curriculum vitae, job application skills and interview techniques.

REHB **1000 Vocational Rehabilitation IA**

Old code 25136.3 credit points. MrTrevor Hawkins. Semester: 1. Classes: On campus 2hours/week. Assessment: Assignment, examination, quiz.

The unit provides a general overview of the fields of vocational psychology and vocational rehabilitation. Examination is made of the vocational development process and the impact of disability on this process. Theories of vocational development are analysed with special reference to their appropriateness to individuals with disability.

Practical: Tutorials (every second week)

REHB 1001 **Vocational Rehabilitation IB**

Old code 25137.3 credit points. MrTrevor Hawkins. Semester: 2. Classes: On campus 2 hours/week, Off campus. Prerequisite: Vocational Rehabilitation IA REHB 1000 (25136). Assessment: Essay and examination.

The unit introduces students to the process of vocational rehabilitation and stresses the importance that vocational counselling plays in the overall success of this process. A vocational counselling framework and the tools and resources to support it are presented to students. Strategies for planning for and implementing vocational counselling decisions are also introduced.

Practical: Tutorials (every 2nd week)

REHB 1002 **Introduction to Rehabilitatn Philosophy**

Old code 25138.3 credit points. Dr Rod Rothwell. Semester: 1. Classes: On campus 2 hours/week. Assessment: 1500 words Essay.

Students examine and analyse the historical and philosophical background relating to the emergence of rehabilitation as a human service. The unit focuses on changes in athtudes towards disability, the interrelationship between medical practice and disability and the social background leading to the demand for rehabilitation services. These historical changes are related to the various philosophical views of human nature that have informed and underpinned the developments in social policy on health and rehabilitation services.

Practical: Practical Assignment

Textbooks

Study Notes provided

REHB 1003 **Ethical Perspectives of Rehabilitation**

Old code 25139.3 credit points. MrTrevor Hawkins. Semester: 2. Classes: On campus 2 hours/week. Assessment: Log Book and examination.

The unit provides an introduction to etMcal principles as they are applied to health care and rehabilitation. It is designed to introduce students to theoretical perspectives of ethical principles and reasoning. The unit also introduces students to the concept of applying ethical principles in the analysis of contemporary dilemmas in health care and counselling, and in the conduct of research.

REHB 1006 **Professional Practice I**

Old code 251C7.13 credit points. Ms Ruth Crocker. Semester: Full year. Assessment: Completed documentation from agency visits and workshops and tutorial/workshops exercises.

The practicum comprises an essential component of the overall process of developing professional competence and identity as a rehabilitation counsellor. In the first year students are familiarised with the role and function of the rehabilitation counsellor through field visits, participation in various seminars and workshops conducted on- campus and/or at selected agencies, and participation in tutorials in preparation for field placements.

REHB 1007 **Rehabilitation Counselling 1**

Old code 251C8.3 credit points. Ms Sandra Bentley. Semester: 2. Classes: 2 hours. Assessment: Examination.

The unit aims to develop students' understanding of the application of counselling theories and practices in the process of rehabilitation counselling. Ethical issues such as confidentiality and privacy are addressed.

Textbooks

Theory and Practice of Counselling. (2000). Corey, G.

REHB 2004 **Case Management & Rehabilitation Planning**

Old code 25228.2 credit points. Ms Sandra Bentley. Semester: 1. Classes: 2 hours/week. Assessment: Examination.

The unit provides students with general theoretical principles which underlie good case management practice such as organisation, time management, decision making, conflict resolution, team building, budgeting, timeliness of service, negotiation, record keeping. The essence of case and caseload management in rehabilitation is defined and issues relating to the subtleties of case management in different rehabilitation populations such as compensible vs non-compensible, physical vs psychiatric disability are explored and clarified.

REHB 2006 Occupational Health, Disability & Rehabilitation A

Old code 25230.2 credit points. Semester: 1.
Students are provided with a broad conceptual framework for understanding historical developments in work organisation and work practices in modern industrial society. The unit highlights developments in psychology and sociology that have had an impact on labour organisation. Particular attention is paid to issues of significance to vocational rehabilitation such as occupational health, women in the workplace and issues relating to workers from immigrant backgrounds.

REHB 2007 Occupational Health, Disability & Rehabilitation B

Old code 25231.2 credit points. Semester: 2.
The pattern of occupational injury and illness in Australia is described and explained in terms of the organisation of work, and also the rehabilitation of people with work-related disabilities is analysed in the context of the various social strategies devised to deal with the widespread failure of measures to prevent workplace injuries and illnesses.

REHB 2009 Vocational Rehabilitaiton IIA

Old code 252A7.3 credit points. Mr Trevor Hawkins. **Semester:** 1. **Classes:** 2 hours/week. **Assessment:** Practical assignment, examination, essay.
The unit aims to give students an appreciation of the importance of appropriate evaluation of the client as an adjunct to vocational counselling and overall vocational planning. Students are exposed to the range of client assessment techniques available, discuss the relevance of various techniques to specific disability groups and are introduced to vocational report writing.
Textbooks
No core text

REHB 2010 Vocational Rehabilitation MB

Old code 252A8.3 credit points. Mr Trevor Hawkins. Semester: 2. Classes: 2 hours/week. Prerequisite: Vocational Rehabilitation IIA REHB 2009 (252A7). Assessment: Practical assignment, examination.
The unit highlights the need to assess the workplace and specific jobs in tandem with client assessment. Students learn to appreciate the differing demands of jobs and to accept that these demands can be modified by implementing appropriate forms of change at the worksite. The issues of prevention and management of disability in the workplace are also addressed.
Textbooks
No core text

REHB 2011 Rehabilitation Counselling IIA

Old code 252A9.3 credit points. Ms Sandra Bentley. **Semester:** 1. **Classes:** 2 hours. **Assessment:** Assignment.
Students are introduced to and provided with the opportunity for practice in the purposeful application of basic interviewing skills in the counselling process.
Textbooks
Intentional Interviewing. (1999) Ivey. A.

REHB 2012 Rehabilitation Counselling NB

Old code 252B0.3 credit points. Ms Sandra Bentley. Semester: 2. Classes: On campus 2 hours/week. Prerequisite: Rehabilitation Counselling IIA REHB 2011 (252A9). Assessment: Video.
This unit provides skills acquisition in advanced counselling skills applied in a rehabilitation counselling context.
Practical: Weekly Tutorials

REHB 2013 Professional Practice II

Old code 252B1.16 credit points. Ms Ruth Crocker. **Semester:** Full year. Classes: 1 hour/week on campus and placements off campus. **Prohibition:** (at coordinator's discretion). **Assessment:** Placement-related assignments.
The practicum includes two field practice placements to be undertaken at separate agencies. The first placement provides students with an orientation to the practical application of their studies up to four weeks of field experience in an agency of their choice. This placement is to be completed by the end of Semester 1. Students are strongly advised to undertake this first placement in the pre-year 2 annual recess in order to avoid overload during semester time. The second placement is a 210 hours (6 weeks) practicum to be undertaken as a block during the inter-semester recess. The practicum provides students with the opportunity to put into practice in their supervised sethng knowledge acquired in their studies.
Textbooks
Subject mannual only

REHB 2014 Philosophy and Politics of Disability and Rehabilitation

Old code 252B2.2 credit points. Semester: 1.
Students examine recent developments in approaches to rehabilitation. In particular, attention is paid to the impact of political developments on the provision of services to people with disability. This includes an analysis of the medical approach to disability and rejections of this approach by the movement for independent living and the Disability Movement. The political/ philosophical impact of these developments is discussed in relation to areas within the rehabilitation arena such as vocational/occupational rehabilitation, worker and accident compensation, private for profit rehabilitation and developments in deinstitutionalisation and other consumer based services.

REHB 2015 Legal Perspectives of Rehabiliation

Old code 252B3.2 credit points. Dr Judith Mair. **Semester: 2. Classes:** 2 hours/week. **Assessment:** Court report, examination.
Students are introduced to the structure and function of the Australian legal system and general principles of law governing human behaviour. The unit is designed to give students an understanding of how the law affects persons with a disability, social or physical.
Practical: Attend court proceedings
Textbooks
No core text

REHB 2016 Accident Compensation Schemes Practicum

Old code 252B6.2 credit points. Ms Sandra Bentley. Semester: 2. Classes: 2 hours/week. Assessment: Examination.
Students are exposed to the critical sections of the major accident compensation schemes in the state of New South Wales (Work Cover, Comcare, Motor Accident Act). Reference is made to the relevant sections of the Acts which impact on rehabilitation service. Other services available through the schemes to support the legislation and its requirements are also discussed. Students are made familiar with the coding and costing of rehabilitation service under the Acts. The emphasis throughout is on the use of actual case studies in order to point out good and bad case management and service provision under the legislations.

REHB 3002 Rehabilitation Counselling IIA

Old code 25307.3 credit points. Ms Sandra Bentley. Semester: 1. Classes: On campus 2 hours/week. Prerequisite: Rehabilitation Counselling 1A REHB 2000 (25224), Rehabilitation Counselling 1B REHB 2001 (25225). Assessment: Video.
This unit provides skills acquisition in advanced counselling skills applied in a rehabilitation counselling context.
Practical: Weekly Tutorials

REHB 3003 Rehabilitation Counselling MB

Old code 25308.3 credit points. Ms Sandra Bentley. **Semester:** 2. **Classes:** On campus 2 hours/week. **Prerequisite:** Rehabilitation Counselling 1A REHB 2000 (25224), Rehabilitation Counselling 1B REHB 2001 (25225).
This unit covers adjustment to disability theory and the application of counselling skills applied in a rehabilitation counselling context.
Practical: Weekly Tutorials

REHB 3004 Vocational Rehabilitation MIA

Old code 25309.2 credit points. Mr Trevor Hawkins. **Semester: 1**. **Classes:** On Campus 2 hours/week Off Campus. **Assessment:** Exercise and examination.
Students are introduced to the placement process and the issues involved in securing meaningful work for persons with disabilities. Students also become aware of the problems faced by individuals when they return to work following injury or disability.
Students are introduced to an approach of 'marketing' clients in the work place in order to increase the job options that are made available to them. Post-placement services that can be offered in order to encourage long term mutually beneficial relationships between employers and rehabilitation counsellors/ providers are outlined.

REHB 3005 Vocational Rehabilitation 1MB

Old code 25310.2 credit points. Mr Trevor Hawkins. **Semester:** 2. Classes: On campus 2 hours/week, Off campus. **Prerequisite:** Vocational Rehabilitation IIIA REHB 3004 (25309). **Assessment:** Exercise and examinations.
Students are exposed to methods of assisting clients to seek their own employment. Job seeking and job maintenance skills are discussed. The program has a practical focus.

Practical: Weekly Tutorials

REHB 3007 Avocational Rehabilitation

Old code 25312.2 credit points. Ms Ruth Crocker. **Semester: 2. Classes:** On campus 2 hours/week. **Assessment: 1**,500 word essay, final assignment, class exercises.

This unit introduces and explores key issues in the provision of non-vocational programs and long-term case management for people with disability. The range of non-vocational options, including recreation and leisure, sport and social skills programs are investigated. Students have opportunities to identify the need for non-vocational programs through case studies, and develop rehabilitation counselling skills to facilitate access to client specific options.

REHB 3008 Legal Perspectives of Rehabilitation

Old code 25313.2 credit points. Dr Judith Mair. **Semester: 2. Classes:** 2 hours/week. **Assessment:** Court report, examination.

Students are introduced to the structure and function of the Australian legal system and general principles of law governing human behaviour. The unit is designed to give students an understanding of how the law affects persons with a disability, social or physical.

Practical: Attend court proceedings

Textbooks

No core text

REHB 3009 Medical Aspects of Disability A

Old code 25314.2 credit points. Dr Lynda Matthews. **Semester: 1. Classes:** On campus 2 hours/week. **Assessment:** Seminar presentation.

The unit aims to provide a background of information and knowledge of the medical basis of disability and the implications for rehabilitation practice. The first semester covers the following body systems: Cardiovascular, Respiratory, Renal, Urinary, Musculoskeletal and the Nervous System. Students familiarise themselves with the biological aspects of various disabiling conditions and the implications for rehabilitation.

REHB 3010 Psychiatric Rehabilitation

Old code 25315.2 credit points. Dr Lynda Matthews. **Semester: 2. Classes:** On campus 2 hours/week. **Prerequisite:** Rehabilitation counselling units year 1 and year 2. **Assessment:** Assignment or seminar presentation.

This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of people with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

REHB 3012 Philosophy & Politics of Disability & Rehabilitation

Old code 25317.2 credit points. Semester: 1.

Students examine recent developments in approaches to rehabilitation. In particular, attention is paid to the impact of political developments on the provision of services to people with disability, this includes an analysis of the medical approach to disability and rejections of this approach by the movement for independent living and the Disability Movement. The political/ philosophical impact of these developments is discussed in relation to areas within the rehabilitation arena such as vocational/occupational rehabilitation, worker and accident compensation, private for profit rehabilitation and developments in deinstitutionalisation and other consumer based services.

REHB 3023 Medical Aspects of Disability B

Old code 25329.2 credit points. Dr Lynda Matthews. **Semester: 2. Classes:** On campus 2 hours/week. **Assessment:** Seminar presentation.

The unit aims to provide a background of information and knowledge of the medical basis of disability and its implications for rehabilitation practice. The second semester covers Hearing Disorders, Visual Disorders, Burns and Dermatological Disorders, Cancer and HTV/AIDS disease.

REHB 3024 Rehabilitation and Substance Abuse

Old code 253A1.2 credit points. Dr Rod Rothwell. Semester: 1. Classes: Attendance 2 hours/week. Assessment: Assignment 2000 Words.

The history of use and treatment for illegal and over-the-counter drugs is presented. Students examine social athtudes to drug taking and theoretical approaches to addictive behaviour. Community therapy programs and self-help groups are discussed.

Textbooks

Notes handed out.

REHB 3025 Rehabilitation of Public Offenders

Old code 253A2.2 credit points. Dr Rod Rothwell. **Semester:** 2. **Classes:** On campus, Night Classes 2 hours/week. **Assessment:** Continuous, 1 assignment.

The aim is to provide students with a basic understanding of the major models for explaining and researching criminal behaviour. Students are familiarised with current penal philosophies and 'corrective programs' for both adult and juvenile public offenders.

Textbooks

The criminology Theory. (1998). Henry, S., and Einstadter, W. Redder, NY UNIW Press

REHB 3026 Rehabilitation of Persons with Developmental Disability

Old code 253A3.2 credit points. Dr Darien Chinnery. Semester: 1. Classes: On campus 2 hours/week. Assessment: Pratical report.

The history of athtudes and services is presented. The organic and social bases of developmental disability are examined. Special emphasis is given to policy developments and community programs for independent living and vocational preparation.

REHB 3027 Rehabilitation and Older People

Old code 253A4.2 credit points. Dr Cherry Russell. Semester: 1, 2. Classes: Contract learning and Off campus model. Assessment: Essay.

The aim is to provide an understanding of population and individual ageing and its impllications for the helping professions. Topics covered include: demographic ageing; ageism and social/professional values; work and retirement; ageing and disability; aged care services.

Textbooks

No core text, reading provided

REHB 3028 Rehabilitation of Persons with Acquired Brain Injury

Old code 253A5.2 credit points. Mr Trevor Hawkins. **Semester:** 1,2. **Classes:** 1 hour/week, Also available Off campus mode. Assessment: Essay.

The nature of head injury is examined and its effect on functioning. The rehabilitation process for this population is discussed with emphasis on evaluation, planning and resettlement.

Textbooks

No Core Text

REHB 3029 Rehabilitation of Persons from NESB

Old code 253A6.2 credit points. Semester: 1, 2.

Students are made aware of the nature and extent of disabilities among people from non-English speaking backgrounds. Poverty, social isolation and the difficulty in accessing appropriate rehabilitation services are discussed.

REHB 3031 Rehabilitation of Persons with Hearing Loss

Old code 253A8.2 credit points. Semester: 1, 2.

Different types of hearing loss and their implications for communication are discussed. The merits of a range of technological devices are assessed, and programs enabling clients to manage their hearing loss are evaluated.

REHB 3033 Rehabilitation of Persons Living with HIV/ AIDS

Old code 253B1.2 credit points. Semester: 1, 2.

NB: Offered depending on staff availability

Students are given a comprehensive introduction to the medical, health and social aspects of HIV disease. Students consider how the application of rehabilitation principles can assist people living with HIV/AIDS, and investigate the role rehabilitation counsellors play in providing services for people living with HIV infection.

REHB 3034 Rehabilitation & Post-Traumatic Stress Disorder

Old code 253B2.2 credit points. Dr Lynda Matthews. **Semester: 1. Classes:** Off campus mode. **Assessment:** Written essay.

PTSD as a clinical entity is examined and major e xplanatory and research models reviewed. Students explore theoretical approaches to treatment and become familiar with issues relevant to their role in rehabilitation.

REHB 3035 Chronic Pain in Rehabilitation

Old code 253B3.2 credit points. Semester: 1. Classes: Day classes, attendance required.

Chronic non cancer pain is a disabling phenomenon and a significant challenge for the rehabilitation counsellor. After participating in this course the student will have practical skills in dealing with chronic pain clients. A major focus in the course is the neurophysiology of chronic pain and also the importance of self management to reduce the chance of burnout in working with this population of clients.

REHB 3045 Honours Workshop

Old code 25318.2 credit points. Dr Darien Chinnery. Semester: 2. Classes: 1 hour/week. Assessment: Research Proposal.

Honours students are assisted with the development of their individual research projects for completion of their thesis in year four. At the completion of the unit, each student has prepared a written proposal for their research project.

REHB 3046 Professional Practice III

Old code 253D8.16 credit points. Ms Ruth Crocker. Semester: Full year. Assessment: Placement related requirements.

Students are required to complete a supervised 5-week full-time block placement in a rehabilitation or related program. Students are expected to put into practice their knowledge and skills in rehabilitation counselling though case management and rehabilitation planning, in a supervised sethng. Pre- and post-placement tutorials focus on skill development and future career direction.

REHB 4002 Rehabilitation Counselling IMA

Old code 25420.3 credit points. Ms Sandra Bentley. Semester: 1. Classes: 2 hours/week. Assessment: Assignments.

This unit provides students with introduction to and practice in Solution-focused Brief Therapy, and Group Counselling.

REHB 4003 Rehabilitation Counselling IIIB

Old code 25421.3 credit points. Ms Sandra Bentley. Semester: 1. Classes: 2 hours/week. Assessment: Interview.

Interview practice which focuses on counselling to facilitate case management of specific disabilities. Case study approach is used.

REHB 4004 Group Research Project

Old code 25422.6 credit points. Dr Darien Chinnery. Semester: Full year. Classes: On campus 2 hours/week. Prerequisite: or Corequisite: Research Methods: Intermediate Statistics BACH 4050 (25449). Assessment: Assignments.

Working in groups and with supervision, students choose a research topic from the fields of rehabilitation and/or disability, develop a research design, prepare an ethics submission, collect data and interpret the results. The project is presented in seminar and also written up as a report. Students are encouraged to submit their work for journal publication.

Practical: Data collection

REHB 4005 Professional Practice IV

Old code 25424.27 credit points. Ms Ruth Crooker. Semester: Full year. Classes: On campus, 1 hour/week placements off-campus. Prerequisite: Professional Practice I REHB 1004 (25140), Professional Practice II REHB 2008 (25232), Professional Practice III REHB 3011 (25316). Prohibition: At coordinator's discretion. Assessment: Placement-related assignments.

Semester 1:13 credit points. Semester 2:14 credit points.

Students are required to complete a supervised ten-week full-time block (or equivalent) placement in a rehabilitation or related program. As the final practicum of the four-year professional practice program, students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning, in a supervised sethng.

Practical: As per description

Textbooks

Subject manual only

REHB 4006 Thesis

Old code 25425.15 credit points. Dr Darien Chinnery. Semester: Full year. Classes: On campus, supervisor meetings. Assessment: Thesis.

Semester 1: 8 credit points. Semester 2: 7 credit points.

Students are given the opportunity to underake a supervised research project in one of the range of areas of rehabilitation and/or disability. Students design and implement an approved project under the supervision of an academic staff member, and submit a thesis describing the project and its implications for service delivery and further research.

Practical: Data Collection

Summary of Behavioural Science units of study

Unit code	Old code	Unit name	Semester
BACH 1025	2511E	Professional Practice and Ethics I	2
BACH 1027	2511G	Research Methods I	1
BACH 1028	2511H	Research Methods II: Data Analysis & Statistics	1
BACH 1030	2511J	Introduction to Health Sociology	1
BACH 1031	2511KX	Clients, Practitioners and Organisations	2
BACH 1032	2511L	Clients, Practitioners and Organizations	2
BACH 1033	2511M	Introduction to Psychology	2
BACH 1034	251 IN	Introduction to Health Sociology	2
BACH 1036	251 IP	Clients, Practitioners and Organisations	2
BACH 1084	25167	Psychology of Motor Behaviour	2
BACH 1092	25175	Introductory Psychology	1
BACH 1093	25176	Cognitive and Developmental Psychology	2
BACH 1095	25178	Disorders and their Management	2
BACH 1098	25181X	Introduction to Health Sociology	2 (off-campus)
BACH 1099	25182X	Psychology I	1 (off-campus)
BACH 1100	25183X	Sociology of Community and Family	2
BACH 1111	25194	Rehabilitation Psychology IA	1
BACH 1112	25195	Rehabilitation Psychology IB	2
BACH 1116	25199	Introductory Psychology	1
BACH 1118	2511R	Research Methods II: Data Analysis & Statistics	2
BACH 1129	251A1	Foundations of Health Sociology	1
BACH 1130	251A2	Foundations of Health Sociology	2
BACH 1131	251A3	Foundations of Psychology for the Health Sciences	1
BACH 1132	251A4	Foundations of Psychology for the Health Sciences	2
BACH 1133	251A5	Introduction to Health Psychology	1
BACH 1134	251A6	Health, Illness and Social Inquiry	1
BACH 1135	251A7	Health, Athtudes and Interaction	1
BACH 1136	251A8	Clients, Practioners and Organisations	1
BACH 1137	251A9	Clients, Practitioners and Organisations	2
BACH 1138	251B0	Health and Research Design: General	1
BACH 1139	251B1	Health and Research Design: General	2
BACH 1140	251B2	Analysing Health Research: General	1

Summary of Behavioural Science units of study (continued)

Unit code	Old code	Unit name	Semester
BACH 1141	251B3	Analysing Health Research: General	2
BACH 1142	251B4	Designing Health Research	1
BACH 1143	251B5	Designing Health Research	2
BACH 1144	251B6	Analysing Quantitative Health & Social Research	1
BACH 1145	251B7	Analysing Quantitative Health & Social Research	2
BACH 1146	251B8	Analysing Qualitative Health & Social Research	1
BACH 1147	251B9	Analysing Qualitative Health & Social Research	2
BACH 1148	251C0	Health, Athtudes and Interaction	2
BACH 1149	251C2	Health, Exercise and Sport Psychology	1
BACH 1150	251C3	Physical Disability, Interaction & Community	2
BACH 1151	251C4	Clients, Practitioners & Organisations: Theoretical & Applied Perspective	2
BACH 1152	251C5	Communication Skills	1
BACH 1153	251C6	Rehabilitation Psychology	2
BACH 1154	251C1	Introduction to Environmental Health & Safety	1
BACH 1158	251D0	Computing Applications for Health Sciences	1
BACH 1159	251C9	Cognitive Factors in Health	2
BACH 2021	2521A	Behavioural Science UB	2
BACH 2022	2521B	Psychology of Work and Management	2
BACH 2023	2521C	Rehabilitation Psychology IIA	1
BACH 2024	2521D	Rehabilitation Psychology UB	2
BACH 2026	2521F	Research Methods II: Data Analysis	2
BACH 2027	2521G	Introduction to Health Sociology	2
BACH 2028	2521H	Social and Health Psychology	2
BACH 2033	2521M	Health and Human Behaviour I	2
BACH 2034	2521N	Abnormal Behaviour	1
BACH 2036	2521P	Disability Studies	1
BACH 2037	2521Q	Cognitive Functioning	2
BACH 2038	2521R	Health and Social Theory	1
BACH 2039	2521S	Organisational Studies	2
BACH 2040	2521T	Health Policy and Service Delivery	2
BACH 2041	2521U	Psychopathology and Behaviour Change	1
BACH 2042	2521V	Clients, Work and Organizations	2
BACH 2043	2521W	Social and Health Psychology	2
BACH 2091	25267	Social Psychology	1
BACH 2094	25392	Health Policy and Service Delivery	2
BACH 2102	25278	Research Methods I: Design	1
BACH 2109	25285	Cognitive Neuropsychology I	2
BACH 2113	25289/25289X	Psychology of Disability I	1
BACH 2114	25290/25290X	Psychology of Disability II	2
BACH 2115	25291/25291X	Research Methods I	2
BACH 2116	25292	Behaviour Modification & Exercise Adherence	1
BACH 2123	25299	Behavioural Science IIA	1
BACH 2124	2521Y	Behaviour Management	1
BACH 2126	252A1	Maladaptive Behaviours & Behaviour Change	2
BACH 2127	252A2	Health Policy and Service Delivery	2
BACH 2128	252A3	Cognition and Cognitive Impairment	2
BACH 2129	252A4	Psychological Disorders and Their Treatment	1
BACH 2131	252A6	Policy and Service Delivery in Health	2
BACH 2132	252B4	Health, Sport and Society	2
BACH 2133	252B5	Health and Human Behaviour	1
BACH 2134	252B7	Cognition and Neurocognitive Recovery	2
BACH 3043	25341	Research Statistics	2
BACH 3046	25344	Sociology of Work and Organisations	2
BACH 3055	25353	Cognitive Neuropsychology II	2
BACH 3056	25354	Patient Management: Theories and Applications	1
BACH 3057	25355	Social and Health Psychology	2
BACH 3059	25357/25357X	Research Methods II	1
BACH 3061	25359/25359X	Psychology II	2
BACH 3062	25360	Research Methods II: Data Analysis	1,2
BACH 3063	25361	Sociology & Psychology of Organisations	1
BACH 3068	25366	Behavioural Science IHA	1
BACH 3069	25367	Behavioural Science IIIB	2
BACH 3071	25369	Behaviour Disorders and Management	1
BACH 3072	25370	Sociology of Clients, Practitioners & Organizations	1
BACH 3075	25373	Health Psychology	1
BACH 3076	25374	Counselling and Assessment	1
BACH 3077	25375	Workplace Attachment	2

Summary of Behavioural Science units of study (continued)

Unit code	Old code	Unit name	Semester
BACH 3078	25376	Professional Practice and Ethics II	1
BACH 3079	25377	Health Policy Development	1
BACH 3081	25379	Sociology of Sport	1,2
BACH 3082	25380	Sociology of the Aged and Ageing	1
BACH 3083	25381	Culture, Health and Illness	Full year
BACH 3084	25382	Alternative Medicine	2
BACH 3085	25383	Death and Dying	1
BACH 3086	25384	Life Span Psychology and the Family	1,2
BACH 3087	25385	Advanced Counselling	2
BACH 3088	25386	Psychology of Sport & Exercise Adherence	1,2
BACH 3089	25387	Brain and Cognition	2
BACH 3090	25388	Psychology of Motor Behaviour	2
BACH 3094	25392	Health Policy and Service Delivery	2
BACH 3095	25393	Ageing Society and Professional Practice	1,2
BACH 3096	25394	Older People in the Community	1,2
BACH 3097	25395	Older People in Care	2
BACH 3098	25396	Psychosocial Wellbeing in Older Adults	1,2
BACH 3099	25397	Law for Health Professionals	1
BACH 3100	25398	Patient Education I	2
BACH 3101	25399	Introductory Epidemiological Methods	1
BACH 3102	253A0	Advanced Epidemiological Methods	2
BACH 3103	253B5	Contemporary Issues in Health & Medicine	1,2
BACH 3104	253B6	Health Planning, Policy and Evaluation	2
BACH 3105	253B7	Computing Applications for Health Practitioners	1,2
BACH 3106	253B8	Occupational Health and Stress	2
BACH 3109	253C1	Stress and Coping	1
BACH 3110	253C2	Stress and Disability	1,2
BACH3111	253C3	Lifespan Psychology and Family	2
BACH 3112	253C4	Alternative Medicine	2
BACH 3113	253C5	Cognitive Functioning	2
BACH 3116	253C8	Designing Health and Social Research	2
BACH 3117	253D7	Sociology of the Aged and Ageing	2
BACH 4008	20408	Pathophysiology	1
BACH 4017	25416	Epidemiological Research	2
BACH 4018	25417	Evaluation Research	2
BACH 4019	25418	History & Philosophy of Scientific Methodology	1
BACH 4020	25419	Action Research	1,2
BACH 4028	10467	Sociology Elective	1
BACH 4031	25430	Health, Medicine and Society	1
BACH 4035	25434	Sociology Elective	1
BACH 4041	25440	Health Psychology	1
BACH 4043	25442	Intermediate Statistics	2
BACH 4044	25443	Multivariate Statistics	1,2
BACH 4045	25444	Qualitative Research Methods	1,2
BACH 4046	25445	Survey Research Methods	2
BACH 4047	25446/25446X	Developing a Research Project	1,2
BACH 4049	25448	Health Policy and Service Delivery	1
BACH 4050	25449	Research Methods: Intermediate Statistics	1
BACH 4051	25450	Psychopathology and Behaviour Change	1
BACH 4052	25451	Social Research	1,2
BACH 4053	25452	Health and Human Behaviour II	2
BACH 4054	25453	Research Project	Full year
BACH 4055	25454	Intermediate Statistics	1
BACH 4056	25455	Qualitative Research Methods	Full year
BACH 4057	25456	Survey Research Methods	2
BACH 4058	25457	Abnormal Psychology and Mental Health	1,2
BACH 4059	25458	Addictive Behaviours	2
BACH 4060	25459	Cognitive Function in Neurological Disorders	1
BACH 4062	25461	Stress and Coping	1
BACH 4063	25462	Stress and Disability	1,2
BACH 4064	25463	Disability and the Community	1,2
BACH 4065	25464	Ethnic Minorities & Health Care in Australia	1,2
BACH 4066	25465	Health and Cultural Pluralism	1,2
BACH 4067	25466	Occupational Health and Stress	2
BACH 4068	25467	Organisational Structures in Health Contexts	1,2
BACH 4071	25470	Evidence Based Health Care Research	2
BACH 4072	25471	Behavioural Epidemiology for Health Professionals	1

Summary of Behavioural Science units of study (continued)

Unit code	Old code	Unit name	Semester
BACH 4073	25472	Metabolic Epidemlgy for Health Professnals	1
BACH 4075	25479/25479X	Internet Research	1,2
BACH 5298	25594	History & Philosophy of Scientific Methodology	1
SING 4040	20440	Patient/Client Education	2
SING 4044	20444	Research Methods I	1
SING 4045	20445	Research Methods II	1
SING 4046	20446	Sociology of Work and Organisations	2
SING 4047	20447	Sociology of Patient-practitioner Relations	2
SING 4064	20464	Patient/Client Education	1
SING 4068	20468	Research Methods I	2
SING 4069	20469	Research Methods II	2
SING 4070	20470	Sociology of Work and Organisations	1
SING 4071	20471	Sociology of Patient-practitioner Relations	1

8 School of Biomedical Sciences

The School of Biomedical Sciences incorporates biophysics, biochemistry, basic biology, human anatomy and physiology, pathophysiology, microbiology. Since its inception in 1973 as a Department it has provided training in these basic and applied sciences relevant to undergraduate students in the different professions studying on this campus. In 1999 the Department changed its name to the School of Biomedical Scieces. Subject material in many of the Faculty's Diploma, Graduate Diploma and Master's courses is taught by the School.

Postgraduate students may enrol in the School's own program, Master of Applied Science (Biomedical Sciences) by Research. In addition, PhD supervision is available in various areas of staff research expertise.

Summary of Biomedical Sciences units of study

Unit cods	Old code	Unit name	Semester
BIOS 1020	07126	Alcohol and Other Drugs I	2
BIOS 1072	11180	Optics I	1
BIOS 1074	11182	Optics II	2
BIOS 1076	11184	Biological Sciences I	1
BIOS 1116	111C3	Speech Science I	1
BIOS 1117	111C4	Speech Science II	2
BIOS 1118	111C5	Hearing Science	2
BIOS 1119	111C6	Introductory Radiation Physics IA	1
BIOS 1120	111C7	Introductory Radiation Physics IB	2
BIOS 1124	111D2	Human Biology and Biochemistry	1
BIOS 1126	111D3/111D3X	Human Biology and Biochemistry	2
BIOS 1127	111D4	Body Systems I	2
BIOS 1128	111D5	Structure, Function and Disease I	1
BIOS 1129	111D6	Structure, Function and Disease II	2
BIOS 1130	111D7	Molecules and Energy	1
BIOS 1131	111D8	Neuroscience I	1
BIOS 1132	111D9	Neuroscience I	2
BIOS 1133	111E0	Body Systems: Structure and Function I	2
BIOS 1134	111E1	Basic Sciences for Health Studies	1
BIOS 1135	111E2	Functional Anatomy A	1
BIOS 1136	111E3	Functional Anatomy A	2
BIOS 1137	111E4	Introductory Neuroscience	1
BIOS 1138	111E5	Functional Anatomy B	1
BIOS 1139	111E6	Functional Anatomy B	2
BIOS 1140	111E7	Neuroscience II	1
BIOS 1141	111E8	Neuroscience II	2
BIOS 1143	111E9	Functional Anatomy C	2
BIOS 2061	112B2	Ocular Biology	1
BIOS 2062	112B3	Neurobiology II for Communication Disorders	1
BIOS 2063	112B4	Visual Neurobiology	2
BIOS 2090	112E5	Biological Sciences II	2
BIOS 2094	112E7	Oncology A	1
BIOS 2095	112F0/112F0X	Body Functions	1 (on-campus), 2 (off-campus)
BIOS 2096	112F1/112F1X	Body Functions and Disease	1,2
BIOS 2097	112F2	Structure, Function and Disease III	1
BIOS 2098	112F3	Body Systems: Structure and Function II	1
BIOS 2099	112F4	Body Systems: Structure and Function II and Pharmacology	1
BIOS 2100	112F5	Applied Body Systems 1	1
BIOS 2101	112F6	Applied Body Systems 2	2
BIOS 2103	112F7	Neurosciences for Physiotherapists	2
BIOS 2105	112F9	Visual Neurobiology	2
BIOS 2106	112G0	Body Systems II	2
BIOS 3019	11374	Body Systems III	1
BIOS 3029	11384	Neurology for Communication Disorders	1
BIOS 3031	11386	Bio-electrical Signals and Computing	2
BIOS 3032	11387	Embryology and Neural Plasticity	2
BIOS 3042	11397/11397X	Biological Sciences IDA	1
BIOS 3043	11398/11398X	Biological Sciences DIB	2
BIOS 3046	113A1	Biological Sciences III	1.2
BIOS 3050	11343	Oncology B	1
BIOS 3051	113A4	Biological Sciences IDA	1

Summary of Biomedical Sciences units of study (continued)

Unit code	Old code	Unit name	Semester
BIOS 3053	113A6	Applied Body Systems 3	1
BIOS 3054	113A7	Contemporary Issues in Biomedical Sciences	2
BIOS 4029	11466	Visual Science	1
BIOS 4035	11489	Sexuality for Health Professionals	1,2
BIOS 4036	11490	Biology of Ageing	1
BIOS 4037	11491	Applied Biology of Ageing	1
BIOS 4038	11492	Health, Disease and Ageing	2
BIOS 4039	11493	Biological Aspects of Disease Management	2
BIOS 4040	11494	Alternate Health Care in Health Professional Practice	1,2
BIOS 4041	11495	Toxic Effects of Drugs & Other Chemicals	2
BIOS 4042	11496	Research into Toxic Effects of Drugs & Other Chemicals	1
BIOS 4044	11498	Embryology	2
BIOS 4046	114A1	Clinical Physics	2
BIOS 4047	114A2	Body Systems and Human Function	2
BIOS 9999	112B1	Body Systems II	1
SING 4042	20442	Pathophysiology A	2
SING 4043	20443	Pathophysiology B	2
SING 4066	20466	Pathophysiology A	1
SING 4067	20467	Pathophysiology B	1

9 School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders is one of the oldest and largest programs offering speech pathology professional preparation in Australia. Recently the School expanded its undergraduate programs to include a generic degree focusing on human communication as well as the speech pathology professional preparation program. The size and maturity of the School means that members of the Faculty teach in their expert area and are all actively engaged in research ensuring that teaching is informed by research. This provides a significant benefit to students as it allows them to study with experts in their fields. Together specialist academics and master clinical staff offer a mentored and stimulating learning environment and research opportunities are supported by the School's extensive facilities and resources.

Programs of study

The School of Communication Sciences and Disorders offers a range of degree programs at the undergraduate and graduate levels:

- A speech pathology professional qualification degree, the Bachelor of Applied Sciences (Speech Pathology) is available at a Pass and Honours level. Both Pass and Honours degrees are 4-year undergraduate programs.
- A generic degree focused on human communication, the Bachelor of Health Science (Hearing and Speech) is available as a Pass degree (3 years) and an honours degree (4 years).
- A postgraduate distance coursework Masters degree, the Master of Health Science (Speech-Language Pathology) is available for qualified Speech Language Pathologists wishing to undertake advanced study in their discipline
- A postgraduate research Masters degree, the Master of Applied Science (Communication Sciences and Disorders) is available for qualified Speech Language Pathologists wishing to undertake a research study in speech pathology related areas.
- A postgraduate research Masters degree, the Master of Communication Disorders is available for graduates in any area who wish to undertake research in an area of communication sciences and disorders
- A PhD program is available for graduates in any area who wish to undertake research in an area of communication sciences and disorders

The degree designed to prepare individuals to practise as Speech Pathologists (formerly known as Speech Therapists) is the engrossing and challenging Bachelor of Applied Science (Speech Pathology) course. The field of Speech Pathology involves the study and treatment of communication disorders in both children and adults. Speech Pathologists are in demand to assess and treat individuals of all ages in medical, educational, and private sethngs who can present with a wide variety of disorders resulting from varied aetiologies. Completion of the requirements of the course meets the eligibility requirements for practising membership status of the Speech Pathology Association of Australia.

The study of Hearing and Speech in the Bachelor of Health Science (Hearing and Speech) course prepares students to pursue a variety of exciting and different career paths in arenas involving either normal or impaired human communication. For example, graduates are prepared to move into employment in commercial fields involved in developing or marketing speech and/or hearing products, such as tests of children's speech skills, devices designed to enhance hearing ability, or books on the many topics of communication. Other graduates may seek careers in research in universities, hospitals, or commercial research laboratories or positions as hearing health educators or health promotion workers. The course also provides an excellent background for those who want to pursue further education required for professional preparation in areas such as medicine, dentistry, rehabilitation counselling, gerontology, health services management, and in particular, audiology.

An Honours program is available for each of these two courses and provides opportunities for talented undergraduate students interested in research and/or pursuing graduate studies to obtain early experiences in the design and conduct of research in communication sciences and disorders.

In contrast to the undergraduate courses, at the graduate level the Master of Health Science (Speech-Language Pathology) is a coursework program offered by distance exclusively for speech pathologists who wish to focus their further study on specific aspects of the professional discipline. Also exclusively for speech pathologists is the Master of Communication Disorders. This program provides speech pathologists with the opportunity to develop a specialisation via research. The Master of Applied Science (Communication Sciences and Disorders) course is also a research program. Admission to this course is open to individuals with varied backgrounds in areas related to the human communication sciences and/or communication disorders. It is designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics, or researchers in the field of communication sciences and disorders. In either of the research programs topics are individualised for students in order for them to meet their specific career objectives.

At the PhD level, study is directed to focused research on an area of communication sciences and disorders. Students work in consultation with their research supervisors to develop and conduct a line of research in an area relevant to communication sciences and/or disorders. Admission is available to individuals with a wide range of backgrounds relevant to the human communication sciences and/or communication disorders who have had previous research experiences, such as an honours degree, a research master's degree, or other equivalent preparation. Because of the expertise of the School's academics and the extensive facilities of the School and University, many different areas of research interests of students can be accommodated. Individuals with PhDs in this area find rewarding careers in academic, research and clinical sethngs.

Facilities and resources

The School of Communication Sciences and Disorders has a variety of facilities and resources that support its teaching, student clinical practice, research and community service activities. The School's large on-campus Communication Disorders Treatment and Research Clinic, which is a centre of excellence that serves communicatively impaired children and adults, functions as a dynamic teaching and research laboratory. The Audiology Clinic and the Stuttering Research and Treatment Clinic are part of this Clinic. Other unique facilities are student units located in various hospitals and centres in the Sydney metropolitan and country NSW areas. Special clinical, teaching, and research relationships exist between the School and speech pathology departments in external sites that are designated as Clinical Affiliates. The University of Sydney Clinical Affiliates are the speech pathology services of: Bankstown Hospital, Hornsby-Kuringai Hospital and Community Health Services, Liverpool Health Services, the New England Area Health Service, St Joseph's Hospital, Royal Rehabilitation Centre, Sydney, the Autism Association, the Spastic Centre, and internationally Singapore General Hospital.

The School's Speech Science Laboratory, also housed in the same area as the on-campus Clinic, is designed to support research activities of academic staff, graduate and Honours students, and undergraduate teaching. It also provides services for the on-campus clinic with facilities for clinical speech measurement. Programs in the Laboratory are focused on measurement of disordered and normal speech using the Laboratory's modern technology, such as a powerful digital speech analysis systems, laryngograph, Aerophone and Nasometer, all supported by computers. Access to a variety of speech databases on CD-ROM is available. High quality speech recordings can be made in the Laboratory's sound-treated studio, using either analog or digital technology. Other desktop

computing facilities are available in the School to support teaching and research. The School's STEP (Speech Transmission Evaluation Protocol) Laboratory provides the School with the capacity to examine the communicative effectiveness of speech sent through electronic mediums.

Information about the School and its courses of study can be obtained from Student Administration (Cumberland), (02) 9351 9161, or from the Admissions Coordinator in the School of Communication Sciences and Disorders, (02) 9351 9450, or email csd.info@fhs.usyd.edu.au or from the School's Web site at www.fhs.usyd.edu.au/csd.

■ Bachelor of Applied Science (Speech Pathology)

The Bachelor of Applied Science (Speech Pathology) is the degree that qualifies individuals to practise as speech pathologists.

Full-time and part-time study

The Bachelor of Applied Science (Speech Pathology) is structured as a full-time degree course offered over 4 years, with expected enrolment in units totalling 24 credit points each semester. However, the School recognises that some students cannot attend full-time and wish to complete their degrees in a longer time. Within the School of Communication Sciences and Disorders, students enrolling part-time are those enrolled in a minimum of 10 and a maximum of 17 credit points per semester. Part-time students in Speech Pathology are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least 4 full units of study per academic year, except when a student has fewer that 4 units remaining to complete requirements for graduation.
- Passing the equivalent of 6 units of study over any 2 academic year periods.
- Completion of all CSCD 1XXX units of study prior to enrolling in any CSCD 3XXX units.
- Completion of all year 1 units within two years.

Only a limited number of places are available for part-time enrolment and students must be prepared to accept a full-time place in the course prior to applying for part-time enrolment. Students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for.

Students requesting to enrol part-time should note that daytime attendance at lectures and clinic placements, as well as clinic block placements, are required for completion of the BAppSc (Speech Pathology) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  Minimum time: 6 years from the initial academic year of enrolment.
  Maximum time: 10 years from the initial academic year of enrolment.
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units when intending to enrol in units with different first numerals in their codes - eg, CSCD 2XXX and CSCD 3XXX, and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'satisfactory progress' requirements, per above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:
  Where a unit of study has a corequisite, a student is to enrol in that unit as well as the corequisite in the same semester.
  Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
  Where a unit of study is a pre/corequisite by permission for another unit, the pre/corequisite unit may be completed in a prior semester or with permission in the same semester as the other unit.
  A recommended background unit of study should be completed before enrolling in a unit for which it is listed. Enrolment in any unit of study without completion of recommended background units of study is not advised and students doing so carry the responsibility for their decision. In any case, a student wishing to enrol in a unit of study without completion of the recommended background units must consult with the unit's coordinator.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility for monitoring changes in curriculum which may affect their progression and for discussing these with the Part-time Student Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Speech Pathology) course. The general admission requirements in chapter 3 apply. However, prospective students would benefit from undertaking Chemistry at HSC level.

Course outlines

The course outlines for standard progression in the Bachelor of Applied Science (Speech Pathology) are presented in Table 9.1 .a and Table 9.1.b. Table 9.1.a shows standard progression for students who commenced before 2002. Table 9.1 .b shows standard progression for students commencing in 2002.

Honours program

For information specific to the Speech Pathology Honours Program, students are advised to contact the Honours Coordinator for the School of Communication Sciences and Disorders.

Students in the Honours Program complete all year one and year two units of study in the Pass Program. In Year three, Honours students undertake some of the same units of study in the Pass Program as well as units that are unique to the Honours Program. In Year four, all units the Honours students undertake are unique to the Honours Program.

Table 9.1.a: Bachelor of Applied Science (Speech Pathology)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Standard progression for students who commenced the first year of the course before 2002 Course code 1206: Pass course; full-time; 4 years Course code 1217: Honours program; full-time, 4 years					
Pass course					
■ **Year 3 (2003)**					
BACH 1030	*2511J*	Introduction to Health Sociology	2	N Higher level units of Sociology.	1
BACH 1032	*2511L*	Clients, Practitioners and Organizations	2	P Introduction to Health Sociology BACH 1030 (2511J).	2
BACH 3055	*25353*	Cognitive Neuropsychology II	3	P (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285).	2
BACH 3056	*25354*	Patient Management: Theories and Applications	5	P Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095 (25178).	1
BACH 3057	*25355*	Social and Health Psychology	4	P Introductory Psychology BACH 1092 (25175).	

Table 9.1 .a: Bachelor of Applied Science (Speech Pathology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 3029	*11384*	Neurology for Communication Disorders	1	p Neurobiology II for Communication Disorders BIOS 2062 (112B3).	1
CSCD 3023	/2327	Speech and Language Impairments of Neurological Origin II	4	A Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).	1
CSCD 3024	*12328*	Communication Impairments in Special Populations	3		1
CSCD 3032	*12336*	Professional Development III: Management Skills	3	A Recommended background unit of study: Communication Fieldwork II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). P (or Corequisites by permission) Communication Fieldwork I CSCD 2053 (122A1) or Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development IIA: Clinical Skills CSCD 2051 (12299), Professional Development IIB: Clinical Skills CSCD 2052 (122A0).	1
CSCD 3034	*12338*	Craniofacial Anomalies	3	A Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).	2
CSCD 3036	*12340*	Language Impairments in Children III	2	A Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297). P Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290).	2
CSCD 3037	*12341*	Swallowing Impairments	2	P (or Corequisite by permission) Neurobiology II for Communication Disorders BIOS 2062 (112B3), Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1177 (111C4).	1
CSCD 3038	*12342*	Intermediate Speech Pathology Clinical I	4	P Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290).	1
CSCD 3039	*12343*	Intermediate Speech Pathology Clinical II	8	P Intermediate Speech Pathology Clinical I CSCD 3038 (12342), Neurology for Communication Disorders BIOS 3029 (11384), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278).	2
CSCD 3049	*12347*	Audiological Management II	2	A Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language Impairments in Children I CSCD 2041 (12289). P Audiology I CSCD 2040 (12288).	2
Stage total for Year 3:			**48** credit points		

■ **Year 4: Clinical/Professional Year (2003-2004)**

Students in Year 4 of the course will be assigned to either Group A or B. Group assignment will be known by the end of Semester 1, Year 3. In Year 4, students in Group A enrol in units of study with the alpha 'A' in the names of the units (eg, 'Advanced Topics A') while students in Group B enrol in units of study containing the alpha 'B' in the name (eg, 'Advanced Topics **B').**

Group A					
CSCD 4026	*12431*	Advanced Topics A	6	P (or Corequisite by permission) Audiological Management U CSCD 3049 (12347), Communication Impairments in Special Populations CSCD 3024 (12328), Craniofacial Anomalies CSCD 3034 (12338), Language Impairments in Children III CSCD 3036 (12340), Professional Development III: Management Skills CSCD 3032 (12336), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341).	1
CSCD 4027	*12432*	Professional Development IVA: Advanced Issues	6	A Recommended background unit of study: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). P Professional Development IH: Management Skills CSCD 3032 (12336).	1
CSCD 4028	*12433*	Advanced Speech Pathology Clinical IA	10	P Intermediate Speech Pathology Clinical II CSCD 3039 (12343).	1
CSCD 4029	*12434*	Advanced Speech Pathology Clinical IIA	24	P Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.	2
CSCD 4042	*12448*	Clinical Mentoring A	2	P (or Corequisite) Advanced Speech Pathology Clinical IA CSCD 4028 (12433).	1
Stage total for Group **A:**			48 credit points		
Group B					
CSCD 4030	*12435*	Advanced Topics B	6	P (or Corequisite by permission) Audiological Management II CSCD 3049 (12347), Communication Impairments in Special Populations CSCD 3024 (12328), Craniofacial Anomalies CSCD 3034 (12338), Language Impairments in Children IB CSCD 3036 (12340), Professional Development IB: Management Skills CSCD 3032 (12336), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341).	2
CSCD 4031	*12436*	Professional Development IVB: Advanced Issues	6	A Recommended background unit of study: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). P Professional Development III: Management Skills CSCD 3032 (12336).	2
CSCD 4032	*12437*	Advanced Speech Pathology Clinical IB	10	P Intermediate Speech Pathology Clinical II CSCD 3039 (12343).	2
CSCD 4033	*12438*	Advanced Speech Pathology Clinical IIB	24	p Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.	1
CSCD 4043	*12249*	Clinical Mentoring B	2	P (or Corequisite) Advanced Speech Pathology Clinical IB CSCD 4032 (12437).	2
Stage total for Group B:			48 credit points		

Completion of the requirements of the 4-year Bachelor of Applied Science (Speech Pathology) Pass course meets the eUgibility requirements for practising membership status of the Speech Pathology Association of AustraUa.

Table 9.1.a: Bachelor of Applied Science (Speech Pathology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester

Honours program

Although students in the Honours program of the Bachelor of Applied Science (Speech Pathology) course undertake the same Year 1 and Year 2 units of study as students in the Pass course, their course structure in Years 3 and 4 differs. Students who enter the Honours program before 2004 enrol in the following units of study:

■ **Year 3 (2003 only)**					
BACH 1030	*2511J*	Introduction to Health Sociology	2	N Higher level units of Sociology.	1
BACH 1032	*2511L*	Clients, Practitioners and Organizations	2	P Introduction to Health Sociology BACH 1030 (2511J).	2
BACH 3055	*25353*	Cognitive Neuropsychology II	3	P (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285).	2
BACH 3056	*25354*	Patient Management: Theories and Applications	5	P Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095(25178).	1
BACH 3057	*25355*	Social and Health Psychology	4	P Introductory Psychology BACH 1092 (25175).	2
BIOS 3029	*11384*	Neurology for Communication Disorders	1	P Neurobiology II for Communication Disorders BIOS 2062 (112B3).	1
CSCD 3023	*12327*	Speech and Language Impairments of Neurological Origin II	4	A Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).	1
CSCD 3024	*12328*	Communication Impairments in Special Populations	3		1
CSCD 3034	*12338*	Craniofacial Anomalies	3	A Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).	2
CSCD 3036	*12340*	Language Impairments in Children IH	2	A Recommended background unit of study: Introductory Speech Pathology Clinical **II** CSCD 2049 (12297). P Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290).	2
CSCD 3037	*12341*	Swallowing Impairments	2	P (or Corequisite by permission) Neurobiology II for Communication Disorders BIOS 2062 (112B3), Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1177 (111C4).	1
CSCD 3049	*12347*	Audiological Management II	2	A Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language Impairments in Children I CSCD 2041 (12289). P Audiology I CSCD 2040 (12288).	2
CSCD 3050	*12348*	Intermediate Speech Pathology Clinical IH	4	P Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290).	1
CSCD 3051	*12349*	Hons Research Sem I: Literature Review	2		1
CSCD 3052	*12350*	Professional Development IIIH:Mgt Skills	1	A Recommended background unit of study: Communication Fieldwork II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). P (or Corequisites by permission) Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development IIA: Fieldwork and Clinical Skills CSCD 2051 (12299), Professional Development ITB: Fieldwork and Clinical Skills CSCD 2052 (122A0).	1
CSCD 3053	*12351*	Intermediate Speech Path Clinical IIH	7	p Intermediate Speech Pathology Clinical IH CSCD 3050 (12348), Neurology for Communication Disorders BIOS 3029 (11384), Speech & Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science & Disorders CSCD 2030 (12278).	2
CSCD 3054	*12352*	Honours Research Sem II: Research Proposal	1	A Recommended background units of study: Research Methods I: Design BACH 1026 (251 IF) and Research Methods II: Data Analysis and Statistics BACH 1028 (251 IH). P Honours Research Seminar I CSCD 3051 (12349).	2
Stage total for Year 3:			48 credit points		
■ **Year 4: Clinical/Professional Year (2003-2004)**					
CSCD 4035	*12440*	Advanced Speech Pathology Clinical IH	22	P Intermediate Speech Pathology Clinical IIH CSCD 3053 (12351) and permission of Head of School.	1
CSCD 4036	*12441*	Professional Development IVH: Advanced Issues	2	A Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). P Professional Development III: Management Skills CSCD 3032 (12336).	2
CSCD 4037	*12442*	Advanced Speech Pathology Clinical IIH	12	P Intermediate Speech Pathology Clincial IIH CSCD 3053 (12351).	2
CSCD 4038	*12443*	Honours Thesis	10	P Honours Research Seminar I: Literature Review CSCD 3040 (12349); Honours Research Seminar II: Research Proposal CSCD 3054 (12352); satisfactory performance in all Year 3 units of study.	Full year
CSCD 4044	*12450*	Clinical Mentoring II	2	p (or Corequisite) Advanced Speech Pathology Clinical HH CSCD 4037 (12442).	2
Stage total forYear 4:			48 credit points		

Table 9.1.b: Bachelor of Applied Science (Speech Pathology)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Standard progression for students commencing from 2002 Course code 1206: Pass course; full-time; 4 years Course code 1217: Honours program; full-time, 4 years					

Pass course

■ Year **1**: **Foundation** Year

BACH 1129	*251A1*	Foundations of Health Sociology	3		1
BACH 1131	*251A3*	Foundations of Psychology for the Health Sciences	3		1
BACH 1159	*251C9*	Cognitive Factors in Health	4	A Foundations of Psychology for the Health Sciences BACH 1131 (251A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent.	2
BACH 2126	*252A1*	Maladaptive Behaviours & Behaviour Change	4	A Foundations of Psychology forthe Health Sciences BACH 1131 (251A3), or Introduction to Health Psychology BACH 1133 (251 A3), or equivalent.	2
BIOS 1116	*111C3*	Speech Science I	3		1
BIOS 1117	*111C4*	Speech Science II	3	C Hearing Science BIOS 1118 (111C5) Recommended background units of study Speech Science I BIOS 1116 (111C3).	2
BIOS 1118	*111C5*	Hearing Science	4	c Speech Science **II** BIOS 1117 (111C4) Recommended background units of study Speech Science I BIOS 1116(111C3).	2
BIOS 1124	*111D2*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	1
BIOS 1131	*111D8*	Neuroscience I	3		1
BIOS 1141	*111E8*	Neuroscience II	3		2
CSCD 1024	*12124*	Linguistics	3		1
CSCD 1025	*12125*	Professional Development I: Introduction to Professional Learning	2		2
CSCD 1026	*12126*	Phonetics I	2		1
CSCD 1028	*12128*	Normal Communication Development	3		1
CSCD 1029	*12129*	Articulation and Phonology	4	A Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126).	2
Stage total for Year 1:			48 credit points		

■ **Year 2 (from 2003)**

BACH 1142	*251B4*	Designing Health Research	3		1
BACH 2109	*25285*	Cognitive Neuropsychology I	5	p (or corequisite by permission) Cognitive and Developmental Psychology BACH 1093 (25176).	2
BIOS 2062	*112B3*	Neurobiology II for Communication Disorders	6	P Neuroscience I BIOS 1131 (111D8), Neuroscience II BIOS 1141 (111E8).	1
CSCD 2030	*12278*	Voice Science and Disorders	4	P (or Corequisite by permission) Speech Science I BIOS 1116(lllC3)andII BIOS 1117 (111C4).	2
CSCD 2035	*12283*	Phonetics II	2	A Recommended background units of study: Phonetics I CSCD 1026 (12126), Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1117(111C4) and Hearing Science BIOH18 (111C5).	1
CSCD 2040	*12288*	Audiology I	3	p (or Corequisite by permission) Speech Science I BIOS 1116 (111C3), Speech Science IIBIOS 1117 (111C4) and Hearing Science BIOS 1118(111C5).	1
CSCD 2041	*12289*	Language Impairments in Children I	3	P (or Corequisite by permission) Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).	1
CSCD 2042	*12290*	Language Impairments in Children II	3	P Language Impairments in Children I CSCD 2041 (12289), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).	2
CSCD 2043	*12291*	Stuttering	3		1
CSCD 2046	*12294*	Audiological Management I	3	A Audiology I CSCD 2040 (12288).	2
CSCD 2047	*12295*	Speech & Language Impairments of Neurological Origin I	3	A Neurobiology II for Communication Disorders BIOS 2062 (112B3).	2
CSCD 2048	*12296*	Introductory Speech Pathology Clinical I	1	Q Articulation and Phonology CSCD 1029 (12129), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics 1 CSCD 1026 (12126), Professional Development 1 CSCD 1025 (12125).	1
CSCD 2049	*12297*	Introductory Speech Path Clinical II	3	P Introductory Speech Pathology Clinical I CSCD 2048 (12296), Stuttering CSCD 2043 (12291).	1
CSCD 2051	*12299*	Professional Development IIA: Fieldwork and Clinical Skills	3		1
CSCD 2052	*122A0*	Professional Development IIB: Fieldwork and Clinical Skills	3	P Professional Development I: Introduction to Professional Learning CSCD 1025 (12125). C One of the following units of study: Communication Fieldwork I CSCD 2053 (122A1), Communication Fieldwork II CSCD 2054 (122A2), Introductory Speech Pathology I CSCD 2048 (12296), Introductory Speech Pathology II CSCD 2049 (12297).	2
Stage total for Year 2:			48 credit points		

Table 9.1.b: Bachelor of Applied Science (Speech Pathology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
■ **Year 3 (from 2004)**					
BACH 1137	*251A9*	Clients, Practitioners and Organisations	3		2
BACH 1144	*251B6*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	1
BACH 1148	*25ICO*	Health, Athtudes and Interaction	3	P Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	2
BACH 3055	*25353*	Cognitive Neuropsychology II	3	p (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285).	2
BACH 3056	*25354*	Patient Management: Theories and Applications	5	p Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095(25178).	1
CSCD 3023	*12327*	Speech and Language Impairments of Neurological Origin II	4	A Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).	1
CSCD 3024	*12328*	Communication Impairments in Special Populations	3		1
CSCD 3032	*12336*	Professional Development IE: Management Skills	3	A Recommended background unit of study: Communication Fieldwork II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). P (or Corequisites by permission) Communication Fieldwork I CSCD 2053 (122A1) or Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development HA: Clinical Skills CSCD 2051 (12299), Professional Development MB: Clinical Skills CSCD 2052 (122A0).	1
CSCD 3034	*12338*	Craniofacial Anomalies	3	A Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science **II** BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).	2
CSCD 3036	*12340*	Language Impairments in Children III	2	A Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297). P Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children **II** CSCD 2042 (12290).	2
CSCD 3037	*12341*	Swallowing Impairments	2	P (or Corequisite by permission) Neurobiology II for Communication Disorders BIOS 2062 (112B3), Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1177 (111C4).	1
CSCD 3038	*12342*	Intermediate Speech Pathology Clinical I	4	p Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290).	**1**
CSCD 3039	*12343*	Intermediate Speech Pathology Clinical II	8	p Intermediate Speech Pathology Clinical I CSCD 3038 (12342), Neurology for Communication Disorders BIOS 3029 (11384), Speech and Language Impairments of Neurological Origin **II** CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278).	**2**
CSCD 3049	*12347*	Audiological Management II	2	A Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language Impairments in Children I CSCD 2041 (12289). p Audiology I CSCD 2040 (12288).	**2**
Stage total for Year 3:			**48** credit points		
■ **Year 4: Clinical/Professional Year**					
Students in Year 4 of the course will be assigned to either Group A or B. Group assignment will be known by the end of Semester 1, Year 3.1n Year 4, students in Group A enrol in units of study with the alpha 'A' in the names of the units (eg, 'Advanced Topics A') while students in Group B enrol in units of study containing the alpha 'B' in the name (eg, 'Advanced Topics B').					
Group A					
CSCD 4026	*12431*	Advanced Topics A	6	P (or Corequisite by permission) Audiological Management II CSCD 3049 (12347), Communication Impairments in Special Populations CSCD 3024 (12328), Craniofacial Anomalies CSCD 3034 (12338), Language Impairments in Children III CSCD 3036 (12340), Professional Development III: Management Skills CSCD 3032 (12336), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341).	1
CSCD 4027	*12432*	Professional Development IVA: Advanced Issues	6	A Recommended background unit of study: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). P Professional Development III: Management Skills CSCD 3032 (12336).	1
CSCD 4028	*12433*	Advanced Speech Pathology Clinical IA	10	p Intermediate Speech Pathology Clinical II CSCD 3039 (12343).	1
CSCD 4029	*12434*	Advanced Speech Pathology Clinical IIA	24	P Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.	2
CSCD 4042	*12448*	Clinical Mentoring A	2	P (or Corequisite) Advanced Speech Pathology Clinical IA CSCD 4028 (12433).	1
Stage total for Group A:			48 credit points		
Group B					
CSCD 4030	*12435*	Advanced Topics B	6	P (or Corequisite by permission) Audiological Management II CSCD 3049 (12347), Communication Impairments in Special Populations CSCD 3024 (12328), Craniofacial Anomalies CSCD 3034 (12338), Language Impairments in Children III CSCD 3036 (12340), Professional Development III: Management Skills CSCD 3032 (12336), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341).	2

Table 9.1 .b: Bachelor of Applied Science (Speech Pathology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
CSCD 4031	*12436*	Professional Development IVB: Advanced Issues	6	A Recommended background unit of study: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). P Professional Development III: Management Skills CSCD 3032 (12336).	2
CSCD 4032	*12437*	Advanced Speech Pathology Clinical IB	10	p Intermediate Speech Pathology Clinical II CSCD 3039 (12343).	2
CSCD 4033	*12438*	Advanced Speech Pathology Clinical IIB	24	p Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.	1
CSCD 4043	*12249*	Clinical Mentoring B	2	p (or Corequisite) Advanced Speech Pathology Clinical IB CSCD 4032 (12437).	2
Stage total for Group B:			48 credit points		

Completion of the requirements of the 4-year Bachelor of Applied Science (Speech Pathology) course meets the eligibility requirements for practising membership status of the Speech Pathology Association of Australia.

Honours program

Students entering the Honours program in 2004 enrol in the following units of study

■ Year 3 (from 2004)

BACH 1137	*251A9*	Clients, Practitioners and Organisations	3		2
BACH 1144	*251B6*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	1
BACH 1148	*251 CO*	Health, Athtudes and Interaction	3	P Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	2
BACH 3055	*25353*	Cognitive Neuropsychology II	3	P (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285).	2
BACH 3056	*25354*	Patient Management: Theories and Applications	5	p Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095 (25178).	1
CSCD 3023	*12327*	Speech and Language Impairments of Neurological Origin II	4	A Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).	1
CSCD 3024	*12328*	Communication Impairments in Special Populations	3		1
CSCD 3034	*12338*	Craniofacial Anomalies	3	A Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).	2
CSCD 3036	*12340*	Language Impairments in Children III	2	A Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297). p Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290).	2
CSCD 3037	*12341*	Swallowing Impairments	2	p (or Corequisite by permission) Neurobiology II for Communication Disorders BIOS 2062 (112B3), Speech Science I BIOS 1116(111C3), Speech Science U BIOS 1177 (111C4).	1
CSCD 3049	*12347*	Audiological Management II	2	A Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language Impairments in Children I CSCD 2041 (12289). p Audiology I CSCD 2040 (12288).	2
CSCD 3050	*12348*	Intermediate Speech Pathology Clinical IH	4	P Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children B CSCD 2042 (12290).	1
CSCD 3051	*12349*	Hons Research Sem I: Literature Review	2		1
CSCD 3052	*12350*	Professional Development IIIH:Mgt Skills	1	A Recommended background unit of study Communication Field work II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). P (or Corequisites by permission) Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development DA: Fieldwork and Clinical Skills CSCD 2051 (12299), Professional Development IIB: Fieldwork and Clinical Skills CSCD 2052 (122A0).	1
CSCD 3053	*12351*	Intermediate Speech Pam Clinical IIH	7	P Intermediate Speech Pathology Clinical IH CSCD 3050 (12348), Neurology for Communication Disorders BIOS 3029 (11384), Speech & Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science & Disorders CSCD 2030 (12278).	2
CSCD 3054	*12352*	Honours Research Sem II: Research Proposal	1	A Recommended background units of study: Research Methods I: Design BACH 1026 (251 IF) and Research Methods II: Data Analysis and Statistics BACH 1028 (251 IH). P Honours Research Seminar I CSCD 3051 (12349).	2
Stage total for Year 3:			48 credit points		

■ Year 4: Clinical/Professional Year

CSCD 4035	*12440*	Advanced Speech Pathology Clinical IH	22	P Intermediate Speech Pathology Clinical EH CSCD 3053 (12351) and permission of Head of School.	1
CSCD 4036	*12441*	Professional Development IVH: Advanced Issues	2	**A** IntermediateSpeechPathologyClinicalICSCD3038(12342)and/orIICSCD 3039(12343). P Professional Development IH: Management Skills CSCD 3032 (12336).	2

Table 9.1 .b: Bachelor of Applied Science (Speech Pathology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
CSCD 4037	*12442*	Advanced Speech Pathology Clinical EH	12	P Intermediate Speech Pathology ClinicalllH CSCD 3053 (12351).	2
CSCD 4038	*12443*	Honours Thesis	10	p Honours Research Seminar I: Literature Review CSCD 3040 (12349); Honours Research Seminar II: Research Proposal CSCD 3054 (12352); satisfactory performance in all Year 3 units of study.	Full year
CSCD 4044	*12450*	Clinical Mentoring II	2	P (or Corequisite) Advanced Speech Pathology Clinical EH CSCD 4037 (12442).	2
Stage total for Year 4:			48 credit points		

■ Bachelor of Health Science (Hearing and Speech)

Full-time and part-time study

The Bachelor of Health Science (Hearing and Speech) is structured as a full-time degree course offered over three years, with expected enrolment in units totalling 24 credit points each semester. However, the School recognises that some students cannot attend full-time and wish to complete their degrees in a longer time. Within the School of Communication Sciences and Disorders, students enrolling part-time are those enrolled in a minimum of 10 and a maximum of 17 credit points per semester. Part-time students in Hearing and Speech are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least four full units of study per academic year, except when a student has fewer that 4 units remaining to complete requirements for graduation.
- Passing the equivalent of 6 units of study over any two academic year periods.
- Completion of all CSCD 1XXX units of study prior to enrolling in any CSCD 3XXX units.
- Completion of all year 1 units within two years.

Only a limited number of places are available for part-time enrolment and students must be prepared to accept a full-time place in the course prior to applying for part-time enrolment. Students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for.

Students requesting to enrol part-time should note that daytime attendance at lectures and clinic placements, as well as clinic block placements, are required for completion of the BHlthSc (Hearing and Speech) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  Minimum time: 6 years from the initial academic year of enrolment.
  Maximum time: 10 years from the initial academic year of enrolment.
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units when intending to enrol in units with different first numerals in their codes - eg, CSCD 2XXX and CSCD 3XXX - and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'satisfactory progress' requirements, per above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study:
  Where a unit of study has a corequisite, a student is to enrol in that unit as well as the corequisite in the same semester.
  Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
  Where a unit of study is a pre/corequisite by permission for another unit, the pre/corequisite unit may be completed in a prior semester or with permission in the same semester as the other unit.

A recommended background unit of study should be completed before enrolling in a unit for which it is listed. Enrolment in any unit of study without completion of recommended background units of study is not advised and students doing so carry the responsibility for their decision. In any case, a student wishing to enrol in a unit of study without completion of the recommended background units must consult with the unit's coordinator.

- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility for monitoring changes in curriculum which may affect their progression and for discussing these with the Part-time Student Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Health Science (Hearing and Speech) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking Chemistry atHSClevel.

Course outlines

The course outlines for standard progression in the Bachelor of Health Science (Hearing and Speech) are presented in Table 9.2.a and Table 9.2.b. Table 9.2.a shows standard progression for students who commenced before 2002. Table 9.2.b shows standard progression for students commencing from 2002.

Table 9.2:a: Bachelor of Health Science (Hearing and Speech)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Standard progression for students who commenced the first year of the course before 2002 Course code 1221: Pass course; full-time, 3 years Course code 1222: Honours program; full-time, 4 year					
■ Year 3 (2003)					
BACH 1030	*2511J*	Introduction to Health Sociology	2	N Higher level units of Sociology.	, 1
BACH 1032	*2511L*	Clients, Practitioners and Organizations	2	P Introduction to Health Sociology BACH 1030(25111).	- ▪ 2
BACH 3055	*25353*	Cognitive Neuropsychology II	3	P (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285).	2
BACH 3056	*25354*	Patient Management: Theories and Applications	5	P Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095 (25178).	1
BACH 3057	*25355*	Social and Health Psychology	4	p Introductory Psychology BACH 1092 (25175).	2
BIOS 3029	*11384*	Neurology for Communication Disorders	1	p Neurobiology II for Communication Disorders BIOS 2062 (112B3).	1

Table 9.2:a: Bachelor of Health Science (Hearing and Speech) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
CSCD 3024	*12328*	Communication Impairments in Special Populations	3		1
CSCD 3032	*12336*	Professional Development III: Management Skills	3	A Recommended background unit of study: Communication ReldworkllCSCD 2054 (122A2) or Introductory Speech Pathology Clinical U. CSCD 2049 (12297). P (or Corequisites by permission) Communication Fieldwork I CSCD 2053 (122A1) or Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development IIA: Clinical Skills CSCD 2051 (12299), Professional Development IIB: Clinical Skills CSCD 2052 (122A0).	1
CSCD 3034	*12338*	Craniofacial Anomalies	3	A Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).	2
CSCD 3049	*12347*	Audiological Management II	2	A Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language Impairments in Children I CSCD 2041 (12289). P Audiology I CSCD 2040 (12288).	2
CSCD 3056	*12354*	Communication Fieldwork in	4	P Audiology I CSCD 2040 (12288), Communication Fieldwork II CSCD 2054 (122A2), Language Impairments in Children II CSCD 2042 (12290). C Audiology II CSCD 3055 (12353).	1
CSCD 3057	*12355*	Communication Fieldwork IV	8	p Audiology II CSCD 3055 (12353), Audiological Management I CSCD 2046 (12294), Communication Fieldwork rn CSCD 3056 (12354).	1,2
Electives			Semester 1 credit points: 6. Semester 2 credit points: 2.		
Stage total for Year 3:			48 credit points		

■ Electives Year 3

The offering of these units of study electives will depend on availability of staff and student demand. To complete the requirements of the course students are required to complete a minimum of three elective units of study. One unit of study elective must be for 4 credit points.

4 credit point electives					
CSCD 3055	*12353*	Audiologyll	4	p Audiology I CSCD 2040 (12288).	1
CSCD 3059	*12357*	Communication Studies	4		2
CSCD 3060	*12358*	Reading I	4		1,2
2 credit point electives					
CSCD 3036	*12340*	Language Impairments in Children III	2	A Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297). p Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290).	2
CSCD 3058	*12356*	Auditory Perception and Processing	2	P Hearing Science BIOS 1118 (111C5), Neurobiology I BIOS 1071.	1
CSCD 3061	*12359*	Directed Readings	2		1,2

Honours program

■ Year 4

CSCD 4039	*12445*	Honours Papers I	6		1
CSCD 4040	*12246*	Honours Paper II	6	P Honours Paper I CSCD 4039 (12445). c Honours Thesis CSCD 4041 (12447).	2
CSCD 4041	*12447*	Honours Thesis	36	C Honours Paper I CSCD 4039 (12445).	1,2
Stage total for Year 4:			48 credit points		

Table 9.2.b: Bachelor of Health Science (Hearing and Speech)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Standard progression for students commencing from 2002 Course code 1221: Pass course; full-time, 3 years Course code 1222: Honours program; full-time, 4 years					

Pass course

■ Year 1: Foundation Year

BACH 1129	*251A1*	Foundations of Health Sociology	3		1
BACH 1131	*251 A3*	Foundations of Psychology for the Health Sciences	3		1
BACH 1159	*251C9*	Cognitive Factors in Health	4	A Foundations of Psychology for the Health Sciences BACH 1131 (251A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent.	2
BACH 2126	*252Al*	Maladaptive Behaviours & Behaviour Change	4	A Foundations of Psychology for the Health Sciences BACH 1131 (251A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent.	2
BIOS 1116	*111C3*	Speech Science I	3		1
BIOS 1117	*111C4*	Speech Science II	3	C Hearing Science BIOS 1118 (111C5) Recommended background units of study Speech Science I BIOS 1116 (111C3).	2
BIOS 1118	*111C5*	Hearing Science	4	C Speech Science II BIOS 1117(111C4) Recommended background units of study Speech Science I BIOS 1116(111C3).	2

Table 9.2.b: Bachelor of Health Science (Hearing and Speech) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 1124	*111D2*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	1
BIOS 1131	*11ID8*	Neuroscience I	3		1
BIOS 1141	*111E8*	Neuroscience II	3		2
CSCD 1024	*12124*	Linguistics	3		1
CSCD 1025	*12125*	Professional Development I: Introduction to Professional Learning	2		2
CSCD 1026	*12126*	Phonetics I	2		1
CSCD 1028	*12128*	Normal Communication Development	3		1
CSCD 1029	*12129*	Articulation and Phonology	4	**A** Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126).	2
Stage total for Year **1:**			48 credit points		
■ **Year 2 (from 2003)**					
BACH 1142	*251B4*	Designing Health Research	3		1
BACH 2109	*25285*	Cognitive Neuropsychology I	5	p (or corequisite by permission) Cognitive and Developmental Psychology BACH 1093 (25176).	2
BIOS 2062	*U2B3*	Neurobiology II for Communication Disorders	6	p Neuroscience I BIOS 1131 (111D8), Neuroscience II BIOS 1141 (111E8).	1
CSCD 2030	*12278*	Voice Science and Disorders	4	p (or Corequisite by permission) Speech Science I BIOS 1116(111C3) and II BIOS 1117 (111C4).	2
CSCD 2035	*12283*	Phonetics II	2	A Recommended background units of study: Phonetics I CSCD 1026 (12126), Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1117(111C4) and Hearing Science BIOll 18 (111C5).	1
CSCD 2040	*12288*	Audiology I	3	P (or Corequisite by permission) Speech Science I BIOS 1116 (111C3), Speech Science IIBIOS 1117 (111C4) and Hearing Science BIOS 1118 (111C5).	1
CSCD 2041	*12289*	Language Impairments in Children I	3	p (or Corequisite by permission) Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).	1
CSCD 2042	*12290*	Language Impairments in Children II	3	P Language Impairments in Children I CSCD 2041 (12289), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).	2
CSCD 2043	*12291*	Stuttering	3		1
CSCD 2046	*12294*	Audiological Management I	3	A Audiology I CSCD 2040 (12288).	2
CSCD 2047	*12295*	Speech &. Language Impairments of Neurological Origin I	3	A Neurobiology II for Communication Disorders BIOS 2062 (112B3).	2
CSCD 2051	*12299*	Professional Development IIA: Fieldwork and Clinical Skills	3		1
CSCD 2052	*122A0*	Professional Development HB: Fieldwork and Clinical Skills	3	P Professional Development I: Introduction to Professional Learning CSCD 1025(12125). C One of the following units of study: Communication Fieldwork I CSCD 2053 (122A1), Communication Fieldwork II CSCD 2054 (122A2), Introductory Speech Pathology I CSCD 2048 (12296), Introductory Speech Pathology II CSCD 2049 (12297).	2
CSCD 2053	*122A1*	Communication Fieldwork I	1	P Articulation and Phonology CSCD 1029 (12129), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126), Professional Development I CSCD 1025 (12125).	1
CSCD 2054	*122A2*	Communication Fieldwork II	3	p Communication Fieldwork I CSCD 2053 (122A1).	2
Stage total for Year 2:			48 credit points		
■ **Year 3 (from 2004)**					
BACH 1137	*251A9*	Clients, Practitioners and Organisations	3		2
BACH 1144	*251B6*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	1
BACH 1148	*251C0*	Health, Athtudes and Interaction	3	P Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	2
BACH 3055	*25353*	Cognitive Neuropsychology II	3	P (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285).	2
BACH 3056	*25354*	Patient Management: Theories and Applications	5	P Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095 (25178).	1
CSCD 3024	*12328*	Communication Impairments in Special Populations	3		1

Table 9.2.b: Bachelor of Health Science (Hearing and Speech) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
CSCD 3032	*12336*	Professional Development III: Management Skills	3	A Recommended background unit of study: Communication Fieldwork II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). P (or Corequisites by permission) Communication Fieldwork I CSCD 2053 (122A1) or Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development IIA: Clinical Skills CSCD 2051 (12299), Professional Development I B : Clinical Skills CSCD 2052 (122A0).	CSCD 1
CSCD 3034	*12338*	Craniofacial Anomalies	3	A Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).	**2**
CSCD 3049	*12347*	Audiological Management II	2	A Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language impairments in Children I CSCD 2041 (12289). P Audiology I CSCD 2040 (12288).	**2**
CSCD 3056	*12354*	Communication Fieldwork III	4	P Audiology I CSCD 2040 (12288), Communication Fieldwork II CSCD 2054 (122A2), Language Impairments in Children II CSCD 2042 (12290). C Audiology II CSCD 3055 (12353).	1
CSCD 3057	*12355*	Communication Fieldwork IV	8	p Audiology U CSCD 3055 (12353), Audiological Management I CSCD 2046 (12294), Communication Fieldwork III CSCD 3056 (12354).	1,2
Electives (three)			Semester 1 credit points: 6. Semester 2 credit points: 2.		
Stage total for Year 3:			**48** credit points		

S Electives Year 3

The offering of these units of study electives will depend on availability of staff and student demand. To complete the requirements of the course students are required to complete a minimum of three elective units of study. One unit of study elective must be for 4 credit points.

4 credit point electives					
CSCD 3055	*12353*	Audiology II	4	P Audiology I CSCD 2040 (12288).	1
CSCD 3059	*12357*	Communication Studies	4		2
CSCD 3060	*12358*	Reading I	4		1,2
2 credit point electives					
CSCD 3036	*12340*	Language Impairments in Children III	2	A Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297). p Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290).	2
CSCD 3058	*12356*	Auditory Perception and Processing	2	P Hearing Science BIOS 1118(111C5), Neurobiology IBIOS 1071.	1
CSCD 3061	72359	Directed Readings	2		1,2

Honours program

■ Year 4

CSCD 4039	*12445*	Honours Papers I	6		1
CSCD 4040	*12246*	Honours Paper II	6	p Honours Paper I CSCD 4039 (12445). C Honours Thesis CSCD 4041 (12447).	2
CSCD 4041	*12447*	Honours Thesis	36	C Honours Paper I CSCD 4039 (12445).	1,2
Stage total for Year 4:			48 credit points		

■ Clinical education and fieldwork

Students in the Bachelor of Applied Science (Speech Pathology) and the Bachelor of Health Science (Hearing and Speech) courses participate in a wide variety of practicum and/or fieldwork experiences throughout their undergraduate education. These occur on-campus and in off-campus placements in metropolitan and country areas and sometimes interstate and overseas.

Dr Michelle Lincoln, the School's Director of Clinical Education, coordinates students' clinical and fieldwork experiences.

Dates

Year 2

Pre-Semester 1
Orientation, Wednesday 26 to Friday 28 February, 2003
Semester 1
As arranged, 3 March to 28 June
Pre-Semester 2
Orientation, Wednesday 6 to Friday 8 August
Semester 2
As arranged, 11 August to 6 December

Year 3

Pre-Semester 1
Orientation, Wednesday 26 to Friday 28 February, 2003
Semester 1
As arranged, 3 March to 28 June
Inter-Semester
3 weeks 1 to 19 July; 22 July to 8 August
OR 3 weeks December to February
Pre-Semester 2
Orientation, Wednesday 6 to Friday 8 August
Semester 2
As arranged, 11 August to 6 December

Year 4

Pre-Semester 1 (only for students on-campus Semester 1)
Orientaton, Wednesday 26 to Friday 28 February, 2003
Semester 1 or 2
As arranged, 3 March to 28 June OR 11 August to 6 December
Pre-Semester 2 (only for students on-campus Semester 2)
Orientation, Wednesday 6 to Friday 8 August
Semester 2orl
12 weeks, 4 March to 29 June OR 12 August to 6 December
Debriefing week for all year 4 students
17 to 23 November

■ Units of study

BACH 1030 Introduction to Health Sociology

Old code 2511 J. 2 credit points. Mr Ian Andrews. Semester: 1. Classes: 2 hours on campus. Prohibition: Higher level units of Sociology. Assessment: Assignment/examination.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.

Textbooks
Selected Readings (reader)

BACH 1032 Clients, Practitioners and Organizations

Old code 2511L 2 credit points. Dr Zakia Hossain. Semester: 2. Prerequisite: Introduction to Health Sociology BACH 1030 (2511J). Assessment: Final examination.

This unit uses sociological perspectives to analyse key interpersonal and organizational aspects of therapy and work in health care sethngs. The focus will be on client-practitioner relationships and upon the legislative and institutional context of work and health care provision.

BACH 1129 Foundations of Health Sociology

Old code 251A1.3 credit points. **Semester:** 1. **Assessment:** Class Essay 35% and Examination 65%.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1131 Foundations of Psychology for the Health Sciences

Old code 251 A3.3 credit points. Ms Karen Pepper, Dr Chris Lennings. **Semester: 1. Classes:** On campus, 26 hours (2 hr lecture/week for 13 weeks). **Assessment:** 1000 word essay 50%, 1 hr MCQ examination 50%.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1142 Designing Health Research

Old code 251B4.3 credit points. Dr Zakia Hossain, Dr Rob Heard, Dr Kaye Brock. **Semester:** 1. **Classes:** On campus, 39 hours. **Assessment:** 1500 word qualitative data collection exercise (50%), 1500 word quantitative data collection exercise (50%),.

This unit is designed to introduce students to the practicalities of the research process in both qualitative and quantitative aspects. As well as an introduction to submission of an institutional ethics proposal and development of a research questionnaire, concepts of experimental validity, single case research and group experimental research are developed. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Students will elect to develop their skills in a selection of interview, survey, observational and epidemiological research designs, will be introduced as well as concepts of Database and literature review techniques will for the basis of and introduction to issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1159 Cognitive Factors in Health

Old code 251C9.4 credit points. **Semester:** 2. **Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent. **Assessment:** 1000-1500 word assignment (40%); 90 minute MCQ/short answer examination (40%). 1000 word Health Cognition case exercise (20%).

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning, and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities, and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness, and with developmental and learning disabilities.

Students will have the opportunity to investigate their own health-related cognitions and to examine the role of such factors as thinking, decision making, coping style and locus of control in the modulation of pain and stress, as well as being introduced to techniques aimed at producing more adaptive and therapeutic health-related beliefs among clients.

BACH 2109 Cognitive Neuropsychology I

Old code 25285.5 credit points. Dr Steve Cummings. Semester: 2. Classes: On campus 1 week 1-5, 2 weeks 6-13. Prerequisite: (or corequisite by permission) Cognitive and Developmental Psychology BACH 1093 (25176). Assessment: Assignments and examination.

This unit extends the study of normal cognition begun in Cognitive and Developmental Psychology, introduces the neuropsychological approach to brain-behaviour relationships and considers the cognitive neuropsychological approach to understanding fundamental cognitive processes.

Textbooks
Cognitive Psychology. (3rd ed). Eysnck & Kerne. Psychology Press.

BACH 2126 **Maladaptive Behaviours & Behaviour Change**

Old code 252A1.4 credit points. Semester: 2. Assumed knowledge: Foundations of Psychology tor the Health Sciences BACH 1131 (251 A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent. Assessment: Class presentation (problem and treatment): 25%, Behaviour Change Exercise: 25%, Essay/Short answer/ MC Exam (2 Hours): 50%.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. The social implication of the use of psychological labels is discussed alongside the need for accurate and non-stigmatising language when discussing mental illness. Students will be presented with an overview of current etiological theories and best-practice treatment approaches for a range of common psychological conditions with reference to controlled treatment outcome studies. This unit also explores the cognitive-behavioural approach to the management of maladaptive behaviour and psychological dysfunction based upon the application of learning principles. The unit examines the theory and application of behavioural management strategies in a variety of clinical sethngs and contrasts these with competing models of psychological therapy.

BACH 3055 **Cognitive Neuropsychology II**

Old code 25353.3 credit points. Dr Lynn Harris. Semester: 2. Classes: 2. Prerequisite: (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285). Assessment: Assignment and examination.
This unit is concerned with the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

BACH 3056 **Patient Management: Theories and Applications**

Old code 25354.5 credit points. Semester: 1. Prerequisite: Introductory Psychology BACH 1092 (25175), Cognitive and Developmental Psychology BACH 1093 (25176), Disorders and their Management BACH 1095 (25178).

This unit examines the psychological needs of clients and their families in the context of speech pathology practice. Topics of study include detection of underlying anxiety, depression, conflict, and other psychological disorders. The client-practitioner relationship is considered, and students will acquire basic counselling skills that will enhance compliance and satisfaction with treatment. Students will apply behavioural therapies to the treatment of speech and language disorders, and diagnose and manage learning disabilities with special reference to reading delay, and to developmental and acquired reading disability in children and adults. Accurate diagnosis depends on the administration and interpretation of tests. Students will therefore develop skills in the critical evaluation of test theory and test construction, administration, and reliability and validity, with special reference to speech and language tests.

BACH 3057 **Social and Health Psychology**

Old code 25355.4 credit points. Semester: 2. Prerequisite: Introductory Psychology BACH 1092 (25175).

This unit focuses on psychological processes related to health care. Particular emphasis is given to stress, the effects of chronic illness and disability, and processes of social interaction in everyday and health care sethngs.

BIOS 1116 **Speech Science I**

Old code 111C3.3 credit points. Dr Helen Ritchie. Semester: 1. Classes: On campus 3+. Assessment: Spot Test, Exam.

This unit of study aims to provide an understanding of the anatomy of speech mechanisms. It also includes the development of the embryo with special reference to the organs of speech. The unit of study includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Speech and Hearing Science (4th ed). Zemlin, W.R.

BIOS 1117 **Speech Science II**

Old code 111C4.3 credit points. Dr Helen Ritchie. Semester: 2. Classes: On campus 3+ hours/week. Corequisite: Hearing Science BIOS 1118 (111C5) Recommended background units of study Speech Science I BIOS 1116 (111C3). Assessment: Final Exam.
This unit of study aims to provide an understanding of the physics, and physiology of the speech mechanisms and the physics anatomy and physiology of the respiratory system. The unit of study includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Speech and Hearing Science (4th ed). Zemlin, W.R.

BIOS 1118 **Hearing Science**

Old code 111C5.4 credit points. Dr Helen Ritchie. Semester: 2. Classes: On campus 4+ hours/week. Corequisite: Speech Science II BIOS 1117 (111C4) Recommended background units of study Speech Science I BIOS 1116(111 C3). Assessment: Assignment, Final Exam.

This unit of study aims to provide an understanding of the physics, anatomy, and physiology of the hearing mechanism. Students will learn about pathologies of the nose and throat. The unit also includes the development of the ear and principles of abnormal embryonic development. The unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.
Textbooks
Speech and Hearing Science (4th ed). Zemlin, WR.

BIOS 1124 **Human Biology and Biochemistry**

Old code 111D2.4 credit points. Dr Peter Knight. Semester: 1. Assumed knowledge: Basic Chemistry. Assessment: Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied: the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

Teaching in this unit of study will comprise lectures, general worksheets, practical classes, Web based material to support lectures and discipline specific tutorials and self learning activities.

BIOS 1131 **Neuroscience I**

Old code 111D8.3 credit points. Dr Bulent Turman. Semester: 1. Assessment: Assignment 10%, Mid-Semester Exam 30%, End Semester Exam 60%.

This unit of study introduces the students to fundamental concepts of nervous system functioning and the structure of muscle tissue. Students are initially introduced to basic structure of the nervous system and neurones. This is followed by understanding of basic electrical concepts underlying neural signals. The sites of signal transmission and communication in the nervous system, including central synapses, the neuromuscular junction and receptors are discussed. The structure, contractile process, mechanics and biochemistry of skeletal cardiac and smooth muscles are covered. The unit includes laboratory classes in which human cadavers are studied.

BIOS 1141 **Neuroscience II**

Old code 111E8.3 credit points. Dr Ros Bohringer. Semester: 2. Assessment: Mid semester exam 30%, end semester exam (70%).

This unit of study aims to provide basic understanding of the anatomy and physiology of neural structures. The anatomy of the spinal cord and the brain is presented and studied on models and human cadavers. The basic mechanisms of spinal reflexes and the function of the somatosensory system comprise the physiological aspects of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for the students of the profession.
Textbooks

Neuroanatomy, an illustrated colour text (2nd Ed.). Crossman, A. R. and D. Neary. Churchill Livingstone.

BIOS 2062 Neurobiology II for Communication Disorders

Old code 112B3.6 credit points. Dr P. Sivanandasingham. **Semester: 1. Classes:** On campus/Off campus 4 hours/week. **Prerequisite:** Neuroscience I BIOS 1131 (111D8), Neuroscience II BIOS 1141 **(111**E8). **Assessment:** Final Exam.

This unit of study considers the anatomy and physiology of special sensory systems and the control and integration of somatic motor activity with special reference to communication. Higher functions of the nervous system and adaptive properties as well as recovery of the nervous system after injury are also examined. Considerable emphasis is placed on the anatomical and physiological basis of neurological problems throughout the unit of study. This unit of study includes laboratory classes where tissues from human cadavers are examined in detail. Attendance at such classes is required for the unit of study.

Textbooks

1. Principles of Neural Science (4th ed). Kandel, E.R., J.II. Schwartz and T.M. Jessell. Appleton & Lange, Norwalk, Connecticut.
2. The Human Brain. (4th ed). Nolte, J. (1999). Mosby Co.

BIOS 3029 Neurology for Communication Disorders

Old code 11384.1 credit point. Dr P. Sivanandasingham. **Semester: 1. Classes:** On campus 14 hours (1 hour/week). **Prerequisite:** Neurobiology II for Communication Disorders BIOS 2062 (112B3). **Assessment:** Final exam.

Symptomology produced by lesions in different areas of the cerebral hemispheres; neurology of communication disorders, dysphasia, and dysarthria and tumours of the central nervous system; epilepsy, infections of the CNS and common neurological disorders.

Textbooks

Neurology for the Non-Neurologist (4th ed). W.C. Wilderholt. (2000). WB Saunders.

CSCD 1024 Linguistics

Old code 12124.3 credit points. Ms Linda Hand. Semester: 1.

Nature of the communication system. Both formal and functional linguistic theories and methodologies are included. There is a skill-based component involving traditional analysis of syntax (grammar), for which attendance is required.

CSCD 1025 Professional Development I: Introduction to Professional Learning

Old code 12125.2 credit points. Ms Belinda Kenny. Semester: 2.

This unit of study introduces students to the learning orientation, communication skills, and basic processes necessary for the course and work in professional sethngs. It provides structured observations of professional activities. Students begin accumulating and documenting professional development experiences through involvement in relevant professional, community, or clinical services. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of their course. Each student must show evidence of completion of an accredited First Aid Course (CPR) to be eligible to receive a 'Pass' in this unit of study.

CSCD 1026 Phonetics I

Old code 12126.2 credit points. Dr Patricia McCabe. Semester: 1.

Phonemic and phonetic transcription of normal and deviant spoken Australian English, using the International Phonetic Alphabet. Articulatory phonetics and suprasegmental features. Australian English.

CSCD 1028 Normal Communication Development

Old code 12128.3 credit points. Dr Patricia McCabe. Semester: 1.

Normal communication development in English from birth to old age, across cultures relevant to Australia.

CSCD 1029 Articulation and Phonology

Old code 12129.4 credit points. Dr Elise Baker. Semester: 2. Assumed knowledge: Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126).

Nature of phonological and articulatory disorders; techniques for the assessment, analysis, and intervention.

CSCD 2030 Voice Science and Disorders

Old code 12278.4 credit points. **Semester: 2. Prerequisite:** (or Corequisite by permission) Speech Science I BIOS 1116 (111C3) and II BIOS1117(111C4).

Current research on respiration and voice; instrumental procedures for measuring respiratory and vocal performance; nature of voice disorders; evaluation and management of individuals with a variety of phonatory disorders.

CSCD 2035 Phonetics II

Old code 12283.2 credit points. Semester: 1. Assumed knowledge: Recommended background units of study: Phonetics I CSCD 1026 (12126), Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1117(11104) and Hearing Science BI01118 (111C5).

A study of the relationship between articulatory phonetics, acoustic phonetics and speech perception. An introduction to phonetic applications in communication sciences and disorders.

CSCD 2040 AudiologyI

Old code 12288.3 credit points. Dr Kerrie Lee. **Semester: 1. Prerequisite:** (or Corequisite by permission) Speech Science I BIOS 1116(11103), Speech Science II BIOS 1117(11104) and Hearing Science BIOS 1118 (111C5).

An introduction to types of deafness, pathologies of the ear and treatment; basic audiological tests and clinical procedures for evaluating hearing in children and adults; amplification for the hearing impaired.

CSCD 2041 Language Impairments in Children I

Old code 12289.3 credit points. Ms Linda Hand. **Semester: 1. Prerequisite:** (or Corequisite by permission) Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).

Language impairments occurring in specific language impaired children. Principles and practices of language evaluation. Developing and carrying out intervention programs.

CSCD 2042 Language Impairments in Children II

Old code 12290.3 credit points. Ms Linda Hand. **Semester:** 2. **Prerequisite:** Language Impairments in Children I CSCD 2041 (12289), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128).

Language impairments occurring in children at the preverbal stages of development and in primary school aged children and adolescents. Principles and practices of language evaluation in each population. Developing and carrying out language intervention programs.

CSCD 2043 Stuttering

Old code 12291.3 credit points. Dr Michelle Lincoln. Semester: 1.

Management strategies for children and adults who stutter. Consideration and critique of clinically relevant theories and research findings pertaining to the management of stuttering.

CSCD 2046 Audiological Management I

Old code 12294.3 credit points. Dr Kerrie Lee. **Semester: 2. Assumed knowledge:** Audiology I CSCD 2040 (12288).

Theoretical and clinical issues related to sensory aids for the hearing impaired, and assessment and intervention of the communication problems of hearing-impaired adults.

CSCD 2047 Speech & Language Impairments of Neurological Origin I

Old code 12295.3 credit points. Ms Christine Sheard. **Semester:** 2. **Assumed knowledge:** Neurobiology II for Communication Disorders BIOS 2062 (112B3).

Description, evaluation and intervention strategies for speech motor and motor programming disorders such as dysarthria and apraxia; introduction to aphasia; overview of neurologically-based language breakdown and its management.

CSCD 2048 Introductory Speech Pathology Clinical I

Old code 12296.1 credit point. Dr Michelle Lincoln. **Semester: 1. Qualifier:** Articulation and Phonology CSCD 1029 (12129), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics 1 CSCD 1026 (12126), Professional Development 1 CSCD 1025 (12125).

Introduction to clinical work with child clients in the on-campus clinic. Students undertake structured observations of a client and serve as therapy aides to advanced students or clinical educators. Students also attend supervisory conferences with their clinical educators and other students. Student may begin to implement some therapy tasks.

CSCD 2049 Introductory Speech Path Clinical II

Old code 12297.3 credit points. Dr Michelle Lincoln. **Semester: 1. Prerequisite:** Introductory Speech Pathology Clinical I CSCD 2048 (12296), Stuttering CSCD 2043 (12291).

Students continue in the on-campus clinic, working with two or more child clients generally with articulation/phonological disorders or stuttering. Students also attend supervisory conferences with their clinical educators and other students.

CSCD 2051 Professional Development IIA: Fieldwork and Clinical Skills

Old code 12299.3 credit points. Semester: 1.
Students undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences through involvement in relevant professional, community, or clinical activities. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of their course. Students become involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent clinical practice.

CSCD 2052 Professional Development NB: Fieldwork and Clinical Skills

Old code 122A0.3 credit points. Semester: 2. Prerequisite: Professional Development I: Introduction to Professional Learning CSCD 1025 (12125). Corequisite: One of the following units of study: Communication Fieldwork I CSCD 2053 (122A1), Communication Fieldwork II CSCD 2054 (122A2), Introductory Speech Pathology I CSCD 2048 (12296), Introductory Speech Pathology II CSCD 2049 (12297).
Students continue to undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences through involvement in relevant professional, community, or clinical activities. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of the their course. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent fieldwork or clinical practice, including data collection for workplace and clinical/fieldwork research purposes, with particular attention to single case research.

CSCD 2053 Communication Fieldwork I

Old code 122A1.1 credit point. Ms Alison Purcell. Semester: 1. Prerequisite: Articulation and Phonology CSCD 1029 (12129), Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126), Professional Development I CSCD 1025 (12125).
Introduction to professional work with communicatively impaired individuals in the on-campus speech and hearing clinic. Students will undertake structured observations and tutorials in the clinic. They will also observe aspects of client management and the management structure of the clinic, for example Intake and Speech Pathology and Audiology assessment clinic.

CSCD 2054 Communication Fieldwork II

Old code 122A2.3 credit points. Ms Alison Purcell. Semester: 2. Prerequisite: Communication Fieldwork I CSCD 2053 (122A1).
Students will begin 'hands on' work with children. Students will observe children communicating in their normal environment, implement appropriate language enrichment activities and develop skills in recording and analysing group interactions.

CSCD 3023 Speech and Language Impairments of Neurological Origin II

Old code 12327.4 credit points. Ms Christine Sheard. Semester: 1. Assumed knowledge: Recommended background unit of study: Speech and Language Impairments of Neurological Origin I CSCD 2047 (12295).
Characteristics of acquired aphasia and speech impairments in adults and children; critical review of evaluation and intervention strategies; investigation of communication breakdown and its management in dementia, non-dominant cerebral lesions, closed head injury and memory impairment.

CSCD 3024 Communication Impairments in Special Populations

Old code 12328.3 credit points. Dr Susan Balandin. Semester: 1.
Consideration of underlying paediatric conditions and particular communication and associated problems of children and adults with developmental disability, cerebral palsy, multiple disabilities, autism and autistic-like conditions, specific learning disabilities, attention deficit disorders and environmental deprivation; culturally and linguistically diverse populations; alternative and augmentative communication approaches to intervention.

CSCD 3032 Professional Development III: Management Skills

Old code 12336.3 credit points. Ms Belinda Kenny. Semester: 1. Assumed knowledge: Recommended background unit of study: Communication Fieldwork II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). **Prerequisite:** (or Corequisites by permission) Communication Fieldwork I CSCD 2053 (122A1) or Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development IIA: Clinical Skills CSCD 2051 (12299), Professional Development IIB: Clinical Skills CSCD 2052 (122A0).

This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection.

CSCD 3034 Craniofacial Anomalies

Old code 12338.3 credit points. Ms Alison Purcell. **Semester: 2. Assumed knowledge:** Recommended background units of study: Speech Science I BIOS 1116 (111C3) and Speech Science II BIOS 1117 (111C4) or Voice Science and Disorders CSCD 2030 (12278).

Problems of craniofacial anomalies, relevant nose, throat and orthodontic pathologies and their effects on communication; implications for assessment and management; instrumental assessment of nasality.

CSCD 3036 Language Impairments in Children III

Old code 12340.2 credit points. Ms Linda Hand. **Semester: 2. Assumed knowledge:** Recommended background unit of study: Introductory Speech Pathology Clinical II CSCD 2049 (12297). **Prerequisite:** Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290).

Advanced concepts in the assessment of and intervention for language impairment in children.

CSCD 3037 Swallowing Impairments

Old code 12341.2 credit points. Ms Christine Sheard. **Semester:** 1. **Prerequisite:** (or Corequisite by permission) Neurobiology II for Communication Disorders BIOS 2062 (112B3), Speech Science I BIOS 1116(11103), Speech Science II BIOS 1177 (111C4).

Description, evaluation, and intervention considerations related to clinical management of feeding and swallowing impairments in children and adults. A focus on case problem solving will be emphasised to achieve integration of theory and practical skills.

CSCD 3038 Intermediate Speech Pathology Clinical I

Old code 12342.4 credit points. Dr Michelle Lincoln. **Semester:** 1. **Prerequisite:** Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290).

Students work with child and adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks. Students are also rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic.

CSCD 3039 Intermediate Speech Pathology Clinical II

Old code 12343.8 credit points. Dr Michelle Lincoln. Semester: 2. Prerequisite: Intermediate Speech Pathology Clinical I CSCD 3038 (12342), Neurology for Communication Disorders BIOS 3029 (11384), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. Students may be rostered to complete some parts of this unit during the intersemester breaks. Students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341) and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

CSCD 3049 **Audiological Management II**

Old code 12347.2 credit points. Ms Alison Purcell. **Semester: 2.** **Assumed knowledge:** Recommended background units of study: Articulation and Phonology CSCD 1029 (12129), Audiological Management I CSCD 2046 (12294), Language Impairments in Children I CSCD 2041 (12289). **Prerequisite:** Audiology I CSCD 2040 (12288).

Theoretical and clinical issues related to assessment and intervention of the communication problems of children with acquired and congenital hearing loss.

CSCD 3050 **Intermediate Speech Pathology Clinical IH**

Old code 12348.4 credit points. Dr Michelle Lincoln. **Semester: 1.** **Prerequisite:** Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290).

Students work with child and adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks. Students are also rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic.

CSCD 3051 **Hons Research Sem I: Literature Review**

Old code 12349.2 credit points. Dr Susan Balandin. Semester: 1.
This unit is designed to assist Honours students with a survey of the literature relevant to their individual research projects. At the completion of this unit each student will have prepared a written literature review for his/her research project.

CSCD 3052 **Professional Development IIIH:Mgt Skills**

Old code 12350.1 credit point. Ms Belinda Kenny. **Semester: 1.** **Assumed knowledge:** Recommended background unit of study: Communication Fieldwork II CSCD 2054 (122A2) or Introductory Speech Pathology Clinical II CSCD 2049 (12297). **Prerequisite:** (or Corequisites by permission) Introductory Speech Pathology Clinical I CSCD 2048 (12296), Professional Development IIA: Fieldwork and Clinical Skills CSCD 2051 (12299), Professional Development IIB: Fieldwork and Clinical Skills CSCD 2052 (122A0).

This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio, through involvement in relevant professional, community, or clinical activities. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students who complete this unit may be deemed as having completed CSCD 3032 (12336) Professional Development III: Management Skills.

CSCD 3053 **Intermediate Speech Path Clinical IIH**

Old code 12351.7 credit points. Dr Michelle Lincoln. **Semester: 2.** **Prerequisite:** Intermediate Speech Pathology Clinical IH CSCD 3050 (12348), Neurology for Communication Disorders BIOS 3029 (11384), Speech & Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science & Disorders CSCD 2030 (12278).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study and may be rostered to complete some parts of this unit during the intersemester breaks. Students are rostered through either the Speech and Language Assessment Clinic or the Audiology Assessment Clinic. Students also complete a four days per week, three-week block placement in an adult hospital clinic. This placement will occur either mid-year before Semester 2 or at end-of-year after Semester 2 and after the student has completed Speech and Language Impairments of Neurological Original II CSCD 3023 (12327) and Swallowing Impairments CSCD 3037 (12341) and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical activities.

CSCD 3054 **Honours Research Sem II: Research Proposal**

Old code 12352.1 credit point. Dr Susan Balandin. Semester: 2.
Assumed knowledge: Recommended background units of study: Research Methods I: Design BACH 1026 (2511F) and Research Methods II: Data Analysis and Statistics BACH 1028 (2511H).
Prerequisite: Honours Research Seminar I CSCD 3051 (12349).
This unit is designed to assist Honours students with the development of a research proposal for their individual research projects. At the completion of this unit each student will have prepared a written proposal for his/her research proposal.

CSCD 3055 **Audiology II**

Old code 12353.4 credit points. Dr Kerrie Lee. Semester: 1.
Prerequisite: Audiology I CSCD 2040 (12288).
Introduction to complex audiological assessment and intervention techniques for hearing impaired adults and children. This unit of study may be undertaken as an elective unit with the permission of the Head of School.

CSCD 3056 **Communication Fieldwork III**

Old code 12354.4 credit points. Ms Alison Purcell. Semester: 1.
Prerequisite: Audiology I CSCD 2040 (12288), Communication Fieldwork II CSCD 2054 (122A2), Language Impairments in Children II CSCD 2042 (12290). Corequisite: Audiology II CSCD 3055 (12353).
Students will participate in a project based placement either within the on-campus clinic or an outside agency. This placement will provide an opportunity to begin to develop skills in professional communication, professional conduct, observation, data management and professional writing.

CSCD 3057 **Communication Fieldwork IV**

Old code 12355.8 credit points. Ms Alison Purcell. **Semester:** 1,2. **Prerequisite:** Audiology II CSCD 3055 (12353), Audiological Management I CSCD 2046 (12294), Communication Fieldwork III CSCD 3056(12354).
Students assume increased responsibility in a project based placement either within the on-campus clinic or an outside agency. This unit of study will provide further opportunity to participate in project management and report writing. Some part of this placement may be completed either mid-year before semester 2 or at the end of year after Semester 2. Students will also develop skills in the development of professional portfolios as they will submit a portfolio which must be deemed satisfactory to be eligible for a pass in this unit of study.

CSCD 3058 **Auditory Perception and Processing**

Old code 12356.2 credit points. Dr Kerrie Lee. **Semester:** 1. **Prerequisite:** Hearing Science BIOS 1118 (111C5), Neurobiology I BIOS 1071.
Development of auditory perception and perceptual capacities of the ear; theories of processing auditory information at both peripheral and central levels. This unit of study may be undertaken as an elective unit with the permission of the Head of School.

CSCD 3059 **Communication Studies**

Old code 12357.4 credit points. Semester: 2.
This unit of study will explore issues in managing communication in the workplace. The unit of study will focus on verbal and written communication and working with related technology. This unit of study may be undertaken as an elective unit with the permission of the Head of School.

CSCD 3060 **Reading I**

Old code 12358.4 credit points. Semester: 1,2.
This unit of study allows students to work with a supervisor exploring a major area of specialty in the School via readings and self directed learning. Students identified for this unit will be of a calibre to proceed to the honours program. This unit of study may be undertaken as an elective unit with the permission of the Head of School.

CSCD 3061 **Directed Readings**

Old code 12359.2 credit points. Semester: 1,2.
This unit of study allows students to work with a supervisor exploring a major area of specialty in the School via readings and self directed learning. Students identified for this unit will be of a calibre to proceed to the honours program. This unit of study may be undertaken as an elective unit with the permission of the Head of School.

CSCD 4026 **Advanced Topics A**

Old code 12431.6 credit points. Ms Christine Sheard. **Semester:** 1. **Prerequisite:** (or Corequisite by permission) Audiological Management II CSCD 3049 (12347), Communication Impairments in Special

Populations CSCD 3024 (12328), Craniofacial Anomalies CSCD 3034 (12338), Language Impairments in Children III CSCD 3036 (12340), Professional Development III: Management Skills CSCD 3032 (12336), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341).
Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select a number of separate advanced study topics from among those offered by the School in areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each topic area undertaken.

CSCD 4027 Professional Development IVA: Advanced Issues

Old code 12432.6 credit points. **Semester: 1. Assumed knowledge:** Recommended background unit of study: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). **Prerequisite:** Professional Development III: Management Skills CSCD 3032(12336).
Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural heath issues.

Students continue to be involved in the running and maintenance of the Tests and Materials collection.

CSCD 4028 Advanced Speech Pathology Clinical IA

Old code 12433.10 credit points. Dr Michelle Lincoln. **Semester: 1. Prerequisite:** Intermediate Speech Pathology Clinical II CSCD 3039 (12343).
Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment Clinic.

CSCD 4029 Advanced Speech Pathology Clinical IIA

Old code 12434.24 credit points. Dr Michelle Lincoln. Semester: 2. Prerequisite: Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.
Students are placed in two off-campus clinic, hospital, or other sethngs for four days per week for two, 6-week blocks each or one off-campus clinic, hospital, or other sethng for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4030 **Advanced Topics B**

Old code 12435.6 credit points. Ms Christine Sheard. Semester: 2. Prerequisite: (or Corequisite by permission) Audiological Management II CSCD 3049 (12347), Communication Impairments in Special Populations CSCD 3024 (12328), Craniofacial Anomalies CSCD 3034 (12338), Language Impairments in Children III CSCD 3036 (12340), Professional Development III: Management Skills CSCD 3032 (12336), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341).
Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select a number of separate advanced study topics from among those offered by the School in areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each topic area undertaken.

CSCD 4031 Professional Development IVB: Advanced Issues

Old code 12436.6 credit points. Ms Belinda Kenny. **Semester: 2. Assumed knowledge:** Recommended background unit of study: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). **Prerequisite:** Professional Development III: Management Skills CSCD 3032 (12336).
Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural heath issues.

Students continue to be involved in the running and maintenance of the Tests and Materials collection.

CSCD 4032 Advanced Speech Pathology Clinical IB

Old code 12437.10 credit points. Dr Michelle Lincoln. **Semester: 2. Prerequisite:** Intermediate Speech Pathology Clinical II CSCD 3039 (12343).
Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment Clinic. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation; accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4033 Advanced Speech Pathology Clinical MB

Old code 12438.24 credit points. Dr Michelle Lincoln. Semester: 1. Prerequisite: Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of Head of School.
Students are placed in two off-campus clinic, hospital, or other sethngs for four days per week for two, 6-week blocks each or one off-campus clinic, hospital, or other sethng for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

CSCD 4035 Advanced Speech Pathology Clinical IH

Old code 12440.22 credit points. Dr Michelle Lincoln. Semester: 1. Prerequisite: Intermediate Speech Pathology Clinical IIH CSCD 3053 (12351) and permission of Head of School.
Students are placed in two off-campus clinic, hospital, or other sethng for four days per week for two, 6-week blocks each or one off-campus clinic, hospital or other sethng for four days per week for one, 12-week block. Over the semester they manage a varied child and adult client caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on regular basis.

CSCD 4036 Professional Development IVH: Advanced Issues

Old code 12441.2 credit points. Ms Belinda Kenny. Semester: 2. Assumed knowledge: Intermediate Speech Pathology Clinical I CSCD 3038 (12342) and/or II CSCD 3039 (12343). Prerequisite: Professional Development III: Management Skills CSCD 3032 (12336).
Students enrolled in this unit of study will be undertaking studies on-campus during semester 2 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education and rural health issues, Students continue to be involved in the running and maintenance of the Tests and Materials collections.

CSCD 4037 Advanced Speech Pathology Clinical IIH

Old code 12442.12 credit points. Dr Michelle Lincoln. **Semester: 2. Prerequisite:** Intermediate Speech Pathology Clincial IIH CSCD 3053 (12351).
Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment Clinic. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation, accumulated a minimum of 300 hours of clinical practice, and participated in a required one-day debriefing activity on-campus at the end of semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

CSCD 4038 Honours Thesis

Old code 12443.10 credit points. Dr Susan Balandin. Semester: Full year. Prerequisite: Honours Research Seminar I: Literature Review CSCD 3040 (12349); Honours Research Seminar II: Research Proposal CSCD 3054 (12352); satisfactory performance in all Year 3 units of study.
This unit provides Honours students with the opportunity to undertake a supervised research project in an area of human communication sciences or disorders. As part of this and the other Honours units, each student designs and implements an

approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

CSCD 4039 Honours Papers I

Old code 12445.6 credit points. Semester: 1.
Each student engages in an indepth literature review related to the area of research and prepares a comprehensive outline of the topic. Seminars support students' work.

CSCD 4040 Honours Paper II

Old code 12246.6 credit points. **Semester:** 2. **Prerequisite:** Honours Paper I CSCD 4039 (12445). **Corequisite:** Honours Thesis CSCD 4041 (12447).
The student continues the literature review related to the research project and prepares an integrated paper on the topic. Seminars support students'work.

CSCD 4041 Honours Thesis

Old code 12447.36 credit points. **Semester:** 1, 2. **Corequisite:** Honours Paper I CSCD 4039 (12445).
This unit of study provides the student with the opportunity to undertake a supervised research project. The student submits a diesis describing the project. In completing the research and diesis, the student works closely with an academic staff member who serve as the supervisor.

CSCD 4042 Clinical Mentoring A

Old code 12448.2 credit points. Dr Michelle Lincoln. **Semester: 1. Prerequisite:** (or Corequisite) Advanced Speech Pathology Clinical IA CSCD 4028 (12433).
This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work, and effective time management.

CSCD 4043 Clinical Mentoring B

Old code 12249.2 credit points. Dr Michelle Lincoln. **Semester: 2. Prerequisite:** (or Corequisite) Advanced Speech Pathology Clinical IB CSCD 4032 (12437).
This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work, and effective time management.

CSCD 4044 Clinical Mentoring II

Old code 12450.2 credit points. Dr Michelle Lincoln. **Semester: 2. Prerequisite:** (or Corequisite) Advanced Speech Pathology Clinical IIH CSCD 4037 (12442).
This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work, and effective time management.

10 School of Exercise and Sport Science

The School of Exercise and Sport Science was established in 1997 to promote excellence in the development of knowledge and skills related to human physical performance in the context of sport, recreation, work, leisure and rehabilitation. The School is proud of its reputation in producing high calibre graduates, and of its identity as a national leader in research in the application of exercise science to sports performance, healthy ageing and rehabilitation. The School has international standard laboratory facilities and equipment, and has close links to the New South Wales Institute of Sport.

The School is responsible for the Bachelor of Applied Science (Exercise and Sport Science), Bachelor of Applied Science (Exercise and Sport Science)(Honours), the Graduate Diploma of Health Science (Exercise and Sport Science), Master of Health Science (Exercise and Sport Science) by Coursework, Master of Applied Science (Exercise and Sport Science) by Research and Doctor of Philosophy supervision in the area of Exercise and Sport Science.

Information about the School and its courses of study can be obtained from the School of Exercise and Sport Science (02) 9351 9612 or from the School's Web site at www.fhs.usyd.edu.au/ess/ or from Student Administration Services (Cumberland), (02) 9351 9161.

■ Bachelor of Applied Science (Exercise and Sport Science)

An exercise and sport scientist applies a comprehensive understanding of the scientific principles of human movement to the effective design, management and evaluation of exercise interventions (and related lifestyle factors) in the areas of sport and health. The exercise scientist would take into account the effect of a change in a person's activity level on such factors as nutrition, the stress placed on body parts, the demand on the heart and lungs, chemical changes in body organs, and the psychological and social environment. These principles may be applied to facilitate recovery from injury, to maximise performance or to generally increase the quality of life of the able and disabled individual within the person's work, sport, and recreation environments.

Admission requirements

Admission to the Bachelor of Applied Science (Exercise and Sport Science) is competitive. Most applicants are considered on the basis of the UAI obtained in the New South Wales Higher School Certificate or equivalent, but about one third of students are admitted based on a tertiary record and interview, or through the Mature Age Entry Scheme. See chapter 3 for details about general admission requirements.

The Bachelor of Applied Science (Exercise and Sport Science) course will appeal to you if you have an enthusiasn for sport and physical activity and an interest in the biological and physical sciences from a human perspective. Although there are no subject requirements for entry into the course, students are assumed to possess knowledge equivalent to study of Chemistry and Mathematics at HSC level. Students would benefit from having also studied Physics, PDHPE and Biology. Students who have not recently completed studies in Chemistry and Mathematics are strongly advised to attend bridging courses prior to commencing the Bachelor of Applied Science (Exercise and Sport Science) course. Bridging courses are also available for Physics, if desired. See chapter 3 for details of bridging courses

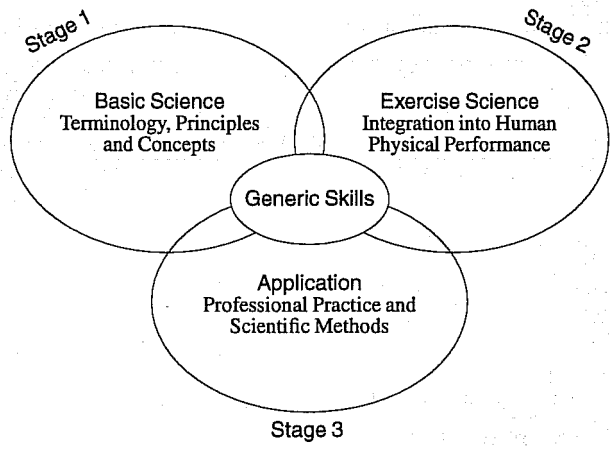
About the course

The Bachelor of Applied Science (Exercise and Sport Science) course is designed to give students a thorough understanding of the scientific aspects of exercise and sport science. Such an understanding requires the application and integration of the methods, theories and knowledge of a wide range of disciplines, including the biological sciences (anatomy, biochemistry, and physiology), the physical sciences (chemistry, physics, and mathematics) and the social sciences (psychology and sociology). Students follow a prescribed program of study with a total of 144 credit points, including a few elective units in Year 3. Formal teaching is mostly through lectures, tutorials and practical classes. Students engage in a wide range of additional learning activities, including study of textbooks and research articles, answering review questions and problems, completing investigative assignments, and conducting projects. Such activities may be required to be completed individually or by working collaboratively with other students.

A distinguishing feature of the Bachelor of Applied Science (Exercise and Sport Science) course is that students have frequent access to laboratory facilities and equipment. The course has a substantial integrated program of laboratory and practical work. Proj ects are undertaken at all stages of the course, often these projects enable skills and knowledge to be applied to a problem of interest to the individual student.

The most important goal of every university course is the development of the student's capacity and enthusiasm for life long learning. Highly developed learning skills allow a graduate to adapt to the changing demands of their work environment, and a skilful learner is able to easily acquire the new skills, approaches and perspectives necessary for a successful transfer to a new career path. University courses also aim to develop the student's generic skills, which are those skills that are applicable in many diverse situations. The Bachelor of Applied Science (Exercise and Sport Science) course is based on a framework of systematic development of learning skills and generic skills. Particular attention is given to developing responsibility for learning, self-evaluation, problem solving, critical thinking, skills in computing and analysis, scientific writing and public speaking.

Course structure



Course outlines

The course outlines for the Bachelor of Applied Science (Exercise and Sport Science) Pass and Honours courses are presented in Table 10.1 and Table 10.2.

Professional experience

Students must complete 100 hrs of approved professional experience (Practicum) by semester 2, year 3. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community sethngs. The student will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

Workload

In the Faculty of Health Sciences, one (1) credit point requires approximately two (2) hours of student effort per week over the

semester. These hours include both class contact hours and time spent on study in the unit. A standard full-time student enrolled in units totalling 24 credit points in each semester has a total workload of 48 hours per week.

Careers

A student who completes the Bachelor of Applied Science (Exercise and Sport Science) course will graduate as a scientist, with a wide range of theoretical knowledge, practical skills and expertise. The career paths followed by graduates are many and varied and depend mostly on the specific interests and aspirations of the individual. Broadly defined, the areas of employment entered by recent graduates include the sport industry, fitness industry, health industry, occupational health and safety, public health, rehabilitation, research and technology, education and medical insurance.

For graduates seeking further career development or professional accreditation, the Bachelor of Applied Science (Exercise and Sport Science) course meets the prerequisite requirements for entry into postgraduate courses in Medicine, Nutrition and Dietetics, Physiotherapy, Occupational therapy, Public Health, Safety Science and Education.

Professional recognition

Graduates are eligible to apply for membership of the Australian Association of Exercise & Sport Science.

Honours program

The Honours program is an additional year of full-time study in which the student conducts a research project and writes a thesis under the supervision of a member of the academic staff. Admission is competitive and based on the student's marks across all units of study. The student must be eligible for the award of a Pass degree, and be considered by the Head of School to have the aptitude to conduct a research project.

Further information may be obtained from the School.

Exchange programs

The School has an exchange program with Oregon State University (USA) in addition to the University-wide exchange programs. These programs give students the opportunity to experience education in a different culture and environment. The exchange programs are open to undergraduate students who have completed at least one year of study and who have a credit grade average. Further information can be obtained from the School.

Table **10.1:** Bachelor of Applied Science (Exercise and Sport Science)

Unit code	Old coda	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2209: Pass course; full-time, 3 years Course code 2227: Honours program; full-time, 4 years					
Pass course					
■ Year 3 (last offered in 2003)					
BACH 3063[1]	*25361*	Sociology & Psychology of Organisations	4		
EXSS 30161	*22316*	Sport Pharmacology	4	P Exercise Physiology I EXSS 2013 (22213).	
EXSS 3021	*22321*	Exercise Physiology in	4	A Biochemistry of Exercise EXSS 2003 (22203). p Exercise Physiology I EXSS 2013 (22213).	
EXSS 3022	*22322*	Research Methods	4	A Basic biomechanics, physiological and motor learning principles, basic hypothesis training.	
EXSS 3023	*22323*	Exercise Testing and Prescription	6	P Exercise Physiology II EXSS 2014 (22214). c Exercise Physiology IB EXSS 3021 (22321).	
EXSS 3024	*22324*	Exercise in Health and Disease	6	p Exercise Physiology I EXSS 2013 (22213) and Exercise Physiology II EXSS 2014(22214).	
EXSS 3025	*22325*	Professional Practice	4	A Elementary knowledge of the exercise and sport science industry.	2
EXSS 3026	*22326*	Projects in Biomechanics	6	P Biomechanics ofHuman Movement EXSS 1018(22114).	2
EXSS 3027	*22327*	Exercise and Rehabilitation	6	p Exercise Physiology I EXSS 2013 (22213) and II EXSS 2014 (22214), Exercise in Health and Disease EXSS 3024 (22324).	2
Choose two electives (4 credit points each) from the following. To fulfil the requirements of the course students are required to complete a total of two of the elective units of study. The offering of any one of these elective units of study will depend on sufficient student demand.					
EXSS 3004	*22304*	Ergonomics	4	A Functional Anatomy A BIOS 1135(lllE6),FunctionalAnatomyBBIOS 1139 (111E6), Biomechanics ofHuman Movement EXSS 1018 (22114) or equivalent.	2
EXSS 3007	*22307*	Readings and Conference	4		Full year
EXSS 3018	*22318*	Management, Marketing and the Law	4		2
Stage total forYear 3:			48 credit points		

■ **Note**

1. Students choose either BACH 3063 or EXSS 3016.

Honours program

■ **Year 4**

EXSS **4002**	*22402*	Honours Thesis	48		

Table 10.2: Bachelor of Applied Science (Exercise and Sport Science)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2224: Pass course; full-time, 3 years Course code 2227: Honours program; full-time, 4 years					
Pass course					
■ **Year 1**					
BACH 1149	*251C2*	Health, Exercise and Sport Psychology	4		1
BIOS 1130	*111D7*	Molecules and Energy	4	A Basic chemistry.	1

Table 10.2: Bachelor of Applied Science (Exercise and Sport Science) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 1133	*111E0*	Body Systems: Structure and Function I	3	A MoleculesandEnergyBIOS1130(lllD7).	2
BIOS 1135	*111E2*	Functional Anatomy A	4		, 1
BIOS 1137	*111E4*	Introductory Neuroscience	3		1
BIOS 1139	*111E6*	Functional Anatomy B	3	A Functional Anatomy A BIOS 1135(111E2).	2
EXSS 1005	*22105*	Sport First Aid/Trainer	3		1
EXSS 1018	*22114*	Biomechanics of Human Movement	6	A HSC Mathematics.	1
EXSS 1019	*22115*	Fundamentals of Exercise Science	4		2
EXSS 1020	*22116*	Sport Coaching	4		2
EXSS 1021	*22117*	Measurement and Analysis	4		2
EXSS 1022	*22118*	Muscle Mechanics	6	A Introductory Neuroscience BIOS 1137(111E4). p Molecules & Energy BIOS 1130 (111D7).	2
Stage total for Year 1:			48 credit points		
■ Year 2 (first offered in 2003)					
BACH 2132	*252B4*	Health, Sport and Society			
BIOS 2098	*112F3*	Body Systems: Structure and Function II	3	A Molecules and Energy BIOS 1130 (111D7).	
EXSS 2016	*22216*	Motor Control	3	P Introductory Neuroscience BIOS 1137 (111E4).	
EXSS 2017	*22217*	Biochemistry of Exercise	6	P Molecules and Energy BIOS 1130 (111D7).	
EXSS 2018	*22218*	Biomechanical Analysis of Movement	6	P Biomechanics ofHuman Movement EXSS 1018(22114).	
EXSS 2019	22279	Exercise Physiology I	6	P Body Systems: Structure & Function I BIOS 1133 (111E0), Fundamentals of Exercise Science EXSS 1019 (22115).	
EXSS 2020	*22220*	Motor Control and Learning	4	A Motor Control EXSS 2016 (22216).	2
EXSS 2021	2222i	Nutrition, Health and Performance	6	P Biochemistry of Exercise EXSS 2017(22217).	2
EXSS 2022	22222	Exercise Physiology II	6	A Biochemistry of Exercise EXSS 2017 (22217). P Exercise Physiology I EXSS 2019 (22219).	2
EXSS 2023	*22223*	Growth, Development and Ageing	4		2
Stage total for Year 2:			48 credit points		
Year 3 (first offered in 2004)					
BACH 3063'	*25361*	Sociology & Psychology of Organisations	4		
EXSS 3016[1]	*22316*	Sport Pharmacology	4	p Exercise Physiology I EXSS 2013 (22213).	
EXSS 3021	*22321*	Exercise Physiology III	4	A Biochemistry of Exercise EXSS 2003 (22203). p Exercise Physiology I EXSS 2013 (22213).	
EXSS 3022	22522	Research Methods	4	A Basic biomechanics, physiological and motor learning principles, basic hypothesis training.	
EXSS 3023	22323	Exercise Testing and Prescription	6	P Exercise Physiology II EXSS 2014 (22214). c Exercise Physiology IE EXSS 3021 (22321).	
EXSS 3024	*22324*	Exercise in Health and Disease	6	P Exercise Physiology I EXSS 2013 (22213) and Exercise Physiology II EXSS 2014 (22214).	
EXSS 3025	22325	Professional Practice	4	A Elementary knowledge of the exercise and sport science industry.	2
EXSS 3026	*22326*	Projects in Biomechanics	6	P Biomechanics of Human Movement EXSS 1018 (22114).	2
EXSS 3027	*22327*	Exercise and Rehabilitation	6	P Exercise Physiology I EXSS 2013 (22213) and II EXSS 2014 (22214), Exercise in Health and Disease EXSS 3024 (22324).	2
Choose two electives (4 credit points each) from the following. To fulfil the requirements of the course students are required to complete a total of two of the elective units of study. The offering of any one of these elective units of study will depend on sufficient student demand.					
EXSS 3004	*22304*	Ergonomics	4	A Functional Anatomy A BIOS 1135(lllE6),FunctionalAnatomyBBIOS 1139 (111E6), Biomechanics of Human Movement EXSS 1018 (22114) or equivalent.	2
EXSS 3007	*22307*	Readings and Conference	4		Full year

Table 10.2: Bachelor of Applied Science (Exercise and Sport Science) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
EXSS 3018	*22318*	Management, Marketing and the Law	4		2
Stage total forYear 3:			48 credit points		

■ **Note**

1. Students choose either BACH 3063 or EXSS 3016.

Honours program

■ **Year 4**

EXSS 4002	*22402*	Honours Thesis	48		

■ Units of study

BACH 1149 Health, Exercise and Sport Psychology

Old code 251C2.4 credit points. Ms Justine Stynes. Semester: 1. **Assessment:** Written Assignment, End Semester Exam.

This unit of study provides an introduction to the areas of psychology relevant to the exercise professional. These areas of study include social psychology (eg, aggression, communication), personality, mental health, exercise adherence, health and sport psychology. Emphasis will be placed on how the mind and the body interact with respect to the health, exercise and sport sethngs. Students will examine why people adopt healthy or unhealthy behaviours, the roles stress, pain and human behaviour play in the incidence, prevention and progression of illness, the importance of exercise to both physical and mental well being, and the factors (eg, social support, motivation) that influence the maintenance of a healthy lifestyle. Emphasis will also be placed on the negative aspects of exercise and sport participation such as stress, body image, eating disorders, exercise addiction, drug use, injury and burnout.

BACH 2132 Health, Sport and Society

Old code 252B4.4 credit points. Mr Ian Andrews. Semester: 2. Assessment: Class essay 35%; class presentation 15%; end of semester exam 50%.

The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domain of health and sport. The strand aims to develop a sociological imagination, a quality of mind that will be used to prompt students to question common-sense assumptions regarding health and sport. Specifically, the following topics and issues will be covered: the origins, nature, and prospects of 'modern' societies; the nature of sociological explanation (the 'sociological imagination'); the social patterns, social processes, and social relationships that underpin inequalities in Australian society, especially as they relate to health and sport; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between social medicine, individualist health promotion, and biomedicine; the wider political and economic context of healthcare and sports; the implications of the 'crisis of the welfare state' for the future of the healthcare system and sports funding; and the tension between economic forces and cultural traditions in the realm of elite sport.

BACH 3063 Sociology & Psychology of Organisations

Old code 25361.4 credit points. Dr Barbara Adamson. Semester: 1. Classes: On campus 3 hours/week. Assessment: Continuous assessment.

There are two modules in this unit. The sociology component will examine the sociology of organisations, including industrial relations, health policy, services and politics, and social change within this context. The psychology component will examine fundamental areas in the psychology of work, and the main psychological approaches to understanding work behaviour. Students will develop an appreciation of their own work behaviour and those of others in an organisational sethng.

Practical: Fieldwork - 9 hours

Textbooks

Manual with key reference material and references

BIOS 1130 Molecules and Energy

Old code 111D7.4 credit points. Dr Margaret Bermingham. Semester: 1. Classes: On campus, 40 hours. Assumed knowledge: Basic chemistry. Assessment: Worksheets, mid semester exam, MCQ/short answer 20%; end semester exam, MCQ/ Short Answer 80%.

This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The material covered will form the basis for subsequent biomedical and professional units of study. It will set the scene for understanding key issues such as the basic chemical processes of life, how we produce and use energy, how energy production relates to health and disease and the transmission of genetic information. The topics considered include the principles of homeostasis, general cellular structure and function, introductory chemistry and biochemistry, membrane structure and function, cell metabolism, cell division, protein synthesis and genetics.

Textbooks

1. Bettlheim, F. A. and March, J. (2001) Introduction to General, Organic and Biochemistry, 6th edition, Harcourt College Publishers.
2. Seeley, R.R., Stephens, T.D. and Tate, P. (2003) Anatomy and Physiology, 6th Ed., McGraw Hill, Boston.

BIOS 1133 Body Systems: Structure and Function I

Old code 111E0.3 credit points. Dr Ann Murphy. Semester: 2. Classes: On campus, 33 hours. Assumed knowledge: Molecules and Energy BIOS 1130 (111D7). Assessment: Mid-Semester 20% (MCQ) and End Semester Exams 80% (MCQ Short Answers) + formative assessment with feedback.

This unit will present the gross anatomy, functional histology and physiology of the cardiovascular and respiratory systems. The material covered in this unit forms the foundation for subsequent biomedical and professional units of study. This unit includes laboratory classes at which human cadaveric material is studied. Attendance at such classes is strongly encouraged.

BIOS 1135 Functional Anatomy A

Old code 111E2.4 credit points. Dr Karen Ginn. Semester: 1. Classes: On campus, 41 hours. Assessment: Mid-Semester practical exam (25%); end semester practical exam (25%); end semester examination (50%).

This unit of study begins with an introduction to the study of anatomy with particular reference to the musculoskeletal system. A detailed study of the gross anatomical structure and functional anatomy of the upper limb will then be undertaken. In this unit of study we will also examine the histological features of the tissues of the musculoskeletal system, and examine the ways in which some of these tissues are altered by varying activity states - eg, weight bearing versus non-weight bearing exercise versus bed rest. Material will be presented in lectures, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Atlas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publishers.

BIOS 1137 Introductory Neuroscience

Old code 111E4.3 credit points. Dr Alan Freeman. Semester: 1. Classes: On campus, 30 hours.

This unit introduces students to the basic structure and function of the nervous system. The physiological aspects of the unit cover the mechanisms of signal generation and transmission in the nervous system, spinal reflexes, the somatosensory and autonomic nervous systems, and the descending motor pathways. The anatomy component of the unit presents the basic structure of the spinal cord and the brain. The anatomy laboratory classes involve studies on human cadavers.

Practical: 10 hours

BIOS 1139 **Functional Anatomy B**

Old code 111E6.3 credit points. Ms Catherine Willis. **Semester: 2. Classes:** On campus, Anatomy of the lower limb 17 hours (8lect/9 prac); Anatomy of the vertebral column, thorax & pelvis 13 hours (7lect/6 prac). **Assumed knowledge:** Functional Anatomy A BIOS 1135 (111E2). Assessment: Intrasemester practical exam (35%), end semester exam (65%).

This unit of study begins with a detailed examination of the gross anatomical structure and functional anatomy of the lower limb. During the second half of the semester students will study the gross anatomy, and its functional applications, of the vertebral column thoracic cage and pelvis. Material will be presented in lectures, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Atlas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publisher.

BIOS 2098 **Body Systems: Structure and Function II**

Old code 112F3.3 credit points. Dr Patricia Woodman. **Semester: 1. Assumed knowledge:** Molecules and Energy BIOS 1130 (111D7). Assessment: Mid Semester exam 20% (MCQ and SAQ) and End Semester exam 80% (MCQ and SAQ) + formative assessment with feedback.

This unit will present the gross anatomy, functional histology and physiology of the renal, digestive, reproductive and endocrine systems, with particular reference to adaptations occurring during exercise and the impact of exercise on system function where appropriate. In addition, immunology and immunological disorders will be covered.

EXSS1005 **Sport First Aid/Trainer**

Old code 22105.3 credit points. Dr Margaret Torode. **Semester: 1. Assessment:** Continuous.

This unit aims to provide students with appropriate skills and training for the effective initial management of sport injury situations. On completion of the unit students will be able to execute immediate first aid care with particular attention to extreme environments, soft tissue injuries and demonstrate a sound understanding of communicable diseases and their precautions. Principles and practices for the role of the Sports Trainer in relation to specific injury management, will also be explored.

EXSS1018 **Biomechanics of Human Movement**

Old code 22114.6 credit points. Dr Peter Sinclair Dr Nick Linthorne. Semester: 1. Assumed knowledge: HSC Mathematics. Assessment: Mid-semester exam, End semester exam, Laboratory report.

This unit aims to develop an appreciation of how mechanical principles can be applied to understand the underlying causes of human movement. Topics include: kinematics, vectors, Newton's laws of motion, work, energy, power, and momentum; for both translational and rotational motion; and the influence of fluids on motion. Emphasis is placed on developing mathematical skills and analytical problem solving techniques. The laboratory classes complement the lectures; providing opportunities to validate mechanical principles in a quantitative manner.

EXSS 1019 **Fundamentals of Exercise Science**

Old code 22115.4 credit points. Ms Rhonda Orr. Semester: 2. Assessment: Mid-semester exam, end-semester exam.

This unit provides the student with an understanding of the fundamental principles and practices of exercise science and its application to sport, fitness and rehabilitation. The unit examines the energetics of exercise, ergometry, standard screening procedures for fitness testing and the principles and practice of submaximal aerobic fitness testing.

Practical: 2 hours per week

EXSS 1020 **Sport Coaching**

Old code 22116.4 credit points. Dr Nick Linthorne. Semester: 2. Assessment: Group project, End-semester exam, Oral presentation.

This unit introduces selected topics in the science of sport coaching. The use of video analysis and notational analysis to improve the biomechanical, physiological, or tactical performance of a team or individual athlete is examined. The unit also introduces the principles of resistance training, and provides students with an understanding of how to design programs to maximise sports performance. Students have an opportunity to gain a Level 1 coaching accreditation in a sport of their choice.

EXSS 1021 **Measurement and Analysis**

Old code 22117.4 credit points. Dr Nick Linthorne. **Semester: 2. Assessment:** Mid-semester exam, End-semester exam, Practical exam.

This unit is an introduction to the art of measurement and the analysis and presentation of experimental data. Students examine measurement uncertainties, graphical presentation of data, and the statistical techniques commonly used in exercise and sport science.

Practical: 2 hours per week

Textbooks

Kirkup, L. Experimental Methods, John Wiley, 1994

Vincent, V.J., Statistics in Kinesiology (2nd Ed), Human Kinetics, 1999

EXSS 1022 **Muscle Mechanics**

Old code 22118.6 credit points. Mr Tom Gwinn. **Semester: 2. Assumed knowledge:** Introductory Neuroscience BIOS 1137 (111E4). **Prerequisite:** Molecules & Energy BIOS 1130 (111D7). **Assessment:** Mid semester exam, End semester exam.

This unit provides students with an in-depth understanding of skeletal muscle as a biological 'machine' which generates force and movement. The unit examines the microscopic structure of muscle and the molecular basis of force production. The regulation of muscle force output is examined at the level of the motor unit and at a cellular level (excitation-contraction coupling). The relationships between muscle length, velocity and the capacity to develop force are explored. Additionally the functional outcomes of variations in myosin isoform, sarcomere number and arrangement, and variations in whole muscle architecture are examined. Structural and functional outcomes of alteration in contractile proteins resulting from conditions of disuse and increased use are also covered. This subject has a significant practical component.

Textbooks

No textbook required, students recommended to obtain unit of study Manual

EXSS 2016 **Motor Control**

Old code 22216.3 credit points. Dr Margaret Torode. **Semester: 1. Prerequisite:** Introductory Neuroscience BIOS 1137 (111E4). **Assessment:** Mid-semester exam, End semester exam.

This unit aims to provide students with an in-depth understanding of the control and acquisition of motor behaviours from the perspective of neuroscience. It will examine the nature and cause of movement and the maintenance of posture and balance. Models will be developed which emphasise the control of movement as an interaction between the nervous system, skeletal muscle and the environment. This unit considers the mechanics of movement and clinical disorders to extend the application of the motor system model.

EXSS 2017 **Biochemistry of Exercise**

Old code 22217.6 credit points. Dr Helen O'Connor. **Semester: 1. Prerequisite:** Molecules and Energy BIOS 1130 (111D7). **Assessment:** Mid-semester exam, End-semester exam, Practical book.

This unit investigates the biochemical strategies that maintain energy balance in exercising muscle. The structure of the ATP producing pathways and their kinetic characteristics in terms of maximum flux and flux capacity will be described. The role of signals representating exercise intensity and duration in the regulation of oxidative phosphorylation, glycolysis and creatine kinase reaction will be examined in depth. These mechanisms will be demonstrated by reference to specific examples of high power output (sprinting) and long duration (endurance) activities. The processes of fuel mobilisation during exercise and of fuel storage at rest will be described.

EXSS 2018 **Biomechanical Analysis of Movement**

Old code 22218.6 credit points. Dr Nick Linthorne. **Semester: 1. Prerequisite:** Biomechanics of Human Movement EXSS 1018 (22114). **Assessment:** Group project, End semester exam.

The main emphasis of this unit is in developing practical expertise in techniques for the biomechanical analysis of human movement. Students conduct a 2-D video analysis project that makes use of a sophisticated computer software package (APAS). A secondary component of this unit is aimed at further development of mathematical and problem-solving skills. Topics include static and dynamic equilibrium, calculation of centre of mass, and determination of joint torques using inverse dynamics.

EXSS 2019 Exercise Physiology I

Old code 22219.6 credit points. Dr Chin Moi Chow. **Semester: 1. Prerequisite:** Body Systems: Structure & Function I BIOS 1133 (111E0), Fundamentals of Exercise Science EXSS 1019 (22115). **Assessment:** Mid semester exam, End semester exam.

This unit has a specific focus on the acute cardiorespiratory and haemodynamic response to exercise in the normal environment and that of heat and cold. The measures of maximal oxygen consumption and anaerobic threshold as determinants of cardiorespiratory performance in endurance events are introduced. A quantitative approach in analysing the effects of exercise on plasma acid-base changes is examined.

EXSS 2020 Motor Control and Learning

Old code 22220.4 credit points. Dr Margaret Torode. **Semester: 2. Assumed knowledge:** Motor Control EXSS 2016 (22216). **Assessment:** Continuous.

This course exams motor control, motor learning and motor performance from a behavioural level of analysis. Within each topic selected, the relevant theories and research studies are examined, not only with a view to producing understanding of the material, but also in order to encourage critical thinking and an appreciation of the successes and limitations of current knowledge. Most importantly, this course will focus on the practical implications of the concepts covered, thereby enabling students to apply the principles of skilled performance and learning in teaching, coaching and rehabilitation.

EXSS 2021 Nutrition, Health and Performance

Old code 22221.6 credit points. Dr Helen O'Connor. Semester: 2. Prerequisite: Biochemistry of Exercise EXSS 2017(22217). Assessment: End-semester exam, Poster Assignment, Practical book.

This unit provides students with an understanding of the principles of nutrition to optimise physical performance in sport, recreation and occupation. This unit defines the importance of macro and micro nutrients in the maintenance of health, and the specific roles of carbohydrate, protein and lipids in energy metabolism during exercise. In addition the interaction between dietary intake and physical activity and its effects on energy-balance, cardiovascular health and other life-style diseases are considered.

EXSS 2022 Exercise Physiology II

Old code 22222.6 credit points. Dr Chin Moi Chow. Semester: 2. Assumed knowledge: Biochemistry of Exercise EXSS 2017 (22217). Prerequisite: Exercise Physiology I EXSS 2019 (22219). Assessment: Mid semester exam, End semester exam.

This unit discusses the chronic physiological adaptations to exercise and environmental stresses. Adaptations to endurance training, heat, cold, altitude, underwater, and adaptations to circadian shifts of jet lag and shift work are examined. Sleep disruptions related to these various forms of stress and its effects on exercise performance are discussed.

EXSS 2023 Growth, Development and Ageing

Old code 22223.4 credit points. Ms Rhonda Orr. Semester: 2. Assessment: Mid-semester exm, End-semester exam.

This unit of study aims to provide the student with an understanding of growth, development and ageing of the human with particular reference to the effect on health and physical performance across the lifespan. Motor skill development and physical performance will be examined and related to morphology and stages of growth. The relationship between biological measurements, growth, gender and chronology will e explored.

EXSS 3004 Ergonomics

Old code 22304.4 credit points. Mr Michael Lee. Semester: 2. Classes: On campus 2-4 hours/week. Assumed knowledge: Functional Anatomy A BIOS 1135 (111E6), Functional Anatomy B BIOS 1139 (111E6), Biomechanics of Human Movement EXSS 1018 (22114) or equivalent. Assessment: Mid semester, End semester exam.

Anatomy, physiology and biomechanics will be applied to the response of the human body to physical tasks. The biomechanics of specific regions, including lower limb, lumbar spine and upper limb and each region's physical response to some common work tasks will be examined.

Textbooks

Introduction to Ergonomics. Bridger, R.S. (1995). McGraw-Hill: New York

EXSS 3007 Readings and Conference

Old code 22307.4 credit points. **Semester:** Full year.

This unit is designed to meet the individual requirements of students who demonstrate an interest and capacity to undertake in depth self-directed learning (with supervision) in a major research area in the School of Exercise and Sport Science. Such students identified for this unit will be of a calibre to proceed to the Honours program.

EXSS 3016 Sport Pharmacology

Old code 22316.4 credit points. Ms Rhonda Orr. **Semester:** 1. **Prerequisite:** Exercise Physiology I EXSS 2013 (22213). Assessment: Assignment and exams.

This unit provides students with an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Drugs used to enhance performance in sport, for therapeutic medication or for recreational purposes will be explored. Procedures used for drug testing will also be examined.

EXSS 3018 Management, Marketing and the Law

Old code 22318.4 credit points. Ms Rhonda Orr. Semester: 2. Assessment: Assignment, End semester exam.

This unit presents a brief overview of current marketing principles and marketing management practice in general, and in reference to the health and sporting industry. Attention is given to the fundamentals of planning, organising, staffing and control within an organisation as well as the basics of financial and budgetary controls. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Marketing and public relations are introduced to augment the areas of program organisation for facility planning and operations.

EXSS 3021 Exercise Physiology III

Old code 22321.4 credit points. MrT. Gwinn. **Semester: 1. Assumed knowledge:** Biochemistry of Exercise EXSS 2003 (22203). **Prerequisite:** Exercise Physiology I EXSS 2013 (22213). **Assessment:** Practical report, End semester exam.

This unit aims to provide the student with an understanding of the principles of and physiological adaptations to resistance and sprint training. Muscle damage, delayed onset muscle soreness, and overtraining and the immune response are discussed. The mechanisms of muscle fatigue and fatigue resistance with training are explored.

EXSS 3022 Research Methods

Old code 22322.4 credit points. Dr Richard Smith. Semester: 1. Assumed knowledge: Basic biomechanics, physiological and motor learning principles, basic hypothesis training. Assessment: Mid-semester exam, major assignment, End semester exam.

This aim of this unit is to explore in depth the scientific method using knowledge integrated from previous units of study in exercise and sport science. This exploration will include: critical review of scientific writing, proposing research, the communication of scientific knowledge, research design, using statistics, and grant writing. Activities and assessment will focus on practical applications in exercise and sport science. The unit is designed to integrate concepts from many earlier subjects, particularly motor learning, exercise physiology, biomechanics and statistics. Emphasis will be placed on generic thinking and practical skills.

EXSS 3023 Exercise Testing and Prescription

Old code 22323.6 credit points. Dr J. Raymond. **Semester: 1. Prerequisite:** Exercise Physiology II EXSS 2014 (22214). Corequisite: Exercise Physiology III EXSS 3021 (22321). **Assessment:** Mid-semester exam, Assignment, End-semester exam.

This unit aims to provide a comprehensive examination of the use of exercise testing in a variety of sports, health and occupational sethngs. The unit also addresses current strategies used to develop safe and effective exercise training programs aimed to enhance and maintain physical performance in athletes and non-athletic members of the general population.

EXSS 3024 Exercise in Health and Disease

Old code 22324.6 credit points. Dr John Brotherhood. **Semester: 1. Prerequisite:** Exercise Physiology I EXSS 2013 (22213) and Exercise Physiology II EXSS 2014 (22214). **Assessment:** Mid-semester exam, End semester exam, Report assignment.

The two units, Exercise in Health and Disease and Exercise and Rehabilitation, consider the application of exercise science to prevention of disease and to the enhancement and maintenance of quality of life in people with chronic health disorders and following serious injury. This unit investigates the epidemiological and biological evidence for the role of physical activity in preventing cardiovascular disease and diabetes. The unit then examines the effects of heart disease and chronic obstructive respiratory disorders on exercise performance, the

use of exercise tests in the evaluation of patients with these disorders, and the application of exercise training to their rehabilitation.

EXSS 3025 Professional Practice

Old code 22325.4 credit points. Dr J. Brotherhood. **Semester: 2. Assumed knowledge:** Elementary knowledge of the exercise and sport science industry. **Assessment:** Assignments early, mid, and late semester. Oral assessment.

This unit of study will use experiential learning to prepare you for entering the exercise and sport science profession. You will experience both the employee and employer perspectives on obtaining and succeeding at work and, in doing so, gauge the breadth, depth and values of the exercise and sport science industry. Resources for developing a positive career path will be explored. Emphasis will be placed on the development of generic personal skills and attributes.

EXSS 3026 Projects in Biomechanics

Old code 22326.6 credit points. Dr Peter Sinclair. Semester: 2. Prerequisite: Biomechanics of Human Movement EXSS 1018 (22114). Assessment: Mid semester exam, Indivisual and Group Assignment.

This unit consists of two components. The first component consists of a series of lectures and practical experiences that develop an understanding of electromyography for the analysis of muscular performance. Content will include details about the requirements for collecting reliable EMG measures, as well as interpretation of results. The second, and larger, component of this unit requires students to work in small groups on an experiment! research project of their own choice. Students will become familiar with the use of computers to collect and analyse data and will demonstrate significant organisational skills to complete all aspects of the project. This project will require students to synthesise ideas from many areas of exercise science to produce a well reasoned analysis of experimental data.

EXSS 3027 Exercise and Rehabilitation

Old code 22327.6 credit points. Dr John Brotherhood. Semester: 2. Prerequisite: Exercise Physiology I EXSS 2013 (22213) and II EXSS 2014 (22214), Exercise in Health and Disease EXSS 3024 (22324). Assessment: Report assignment, End semester exam.

This unit examines exercise limitations and the use of exercise in the rehabilition of a wide range of health disorders such as diabetes, muscle disorders, arthritis, stroke and depression. Where relevant, the role of physical activity in the prevention of disease is addressed. A major part of the unit is concerned with the mechanisms of exercise-related injury. The specific applications of exercise training to rehabilitation from musculo-skeletal injury, including the special problems of spinal cord injury and wheel chair exercise, are discussed.

EXSS 4002 Honours Thesis

Old code 22402.48 credit points. **Classes:** No on campus classes, although workshop attendance is compulsory. **Assessment:** Continuous assessment and thesis examination.

In this unit the student undertakes a research project in an area of exercise and sport science. The student designs and implements an approved research project, and submits a thesis describing the project and its implications. In completing the research thesis, the student works closely with an academic staff member who serves as the supervisor.

11 School of Health Information Management

The School of Health Information Management offers a three year Bachelor of Applied Science (Health Information Management) course at undergraduate level. An honours program is also available to students who meet the eligibility criteria and wish to pursue a specific area of research in the health information management field.

Health information managers are key members of the health care team, responsible for the management of patient and facility-related health information. A career in health information management provides a unique opportunity to combine an interest in medicine, information technology and management. The role of the health information manager is dynamic and involves close liaison with medical, nursing and administrative staff, other health professionals, and the public. Health information management is an expanding field that offers a broad range of career opportunities and due to the changing patterns of health care delivery, management, and advances in information technologies, qualified health information managers are in demand. Health information management jobs are interesting and challenging and graduates are rewarded with competitive salaries.

The Health Information Management Association of Australia officially represents the profession and promotes the continuing education of its members through regular seminars, workshops and conferences. All full-time Health Information Management students are eligible for student membership of the Association and upon satisfactory completion of the Bachelor of Applied Science (Health Information Management) are eligible for full membership.

In addition, the School offers a number of comprehensive and specialist postgraduate programs in health informatics, health information management, clinical data management and casemix.

B Bachelor of Applied Science (Health Information Management)

The degree course in health information management has been designed to prepare specialists in the management of health information systems. The health information manager is required to analyse the information needs of a variety of users and design, plan and implement systems to meet these needs. The increasing complexity of communication between health professionals demands an efficient and effective information system to support patient management. Increasing health costs make it essential for health planners to have the necessary information to organise a health care delivery system which optimises the use of resources.

The medical record provides the patient data base on which the health information system is built. The medical record contains data relating to the patient's clinical problems as well as sociological data. The record can provide information for health care evaluation, research, statistics and education. Patients benefit directly when their record is used for future patient care or to protect their legal interests.

Full-time and part-time study

The Bachelor of Applied Science (Health Information Management) is structured as a full-time degree course offered over 3 years. However, the School recognises that some students cannot attend full-time and wish to complete their degrees in a longer time. The University offers an enrolment distinction between full-time and part-time students. Students enrolling part-time are those enrolled in a minimum of 6 and a maximum of 17 credit points per semester. Part-time students in Health Information Management are expected to meet 'satisfactory progress' requirements. These include:

- Enrolment in the equivalent of at least 8 full units of study per academic year, except when a student has fewer than 8 units remaining to complete requirements for graduation
- Passing the equivalent of 12 units of study over any 2 academic year periods.

Only a limited number of places are available for part-time enrolment and students must seek approval to enrol part-time from the Head of School prior to enrolment at the beginning of the academic year. Any variation in approved enrolment status is not automatically granted and must be applied for. Students requesting to enrol part-time should note that daytime attendance at lectures and practical placements is required for completion of the BAppSc(HIM) course. At this time, the option of part-time enrolment is only available to a few Year 1 commencing students.

Students enrolling part-time should also note the following:

- Part-time students must adjust their load so that they can complete the course within the maximum time. No extensions of maximum time will be granted.
  Minimum time: 6 years from the initial academic year of enrolment
  Maximum time: 10 years from the initial academic year of enrolment
- Because the course is structured as a full-time course, students must be cognisant of the possibility of clashes in timetables for units offered in different years, that is units having different third digits in their codes - eg, HIMT XXXX (092XX) and HIMT XXXX (093XX), and plan sufficiently well so they do not exceed the maximum time for course completion or they fail to meet 'unsatisfactory progress' requirements, as set out above.
- Students must meet prerequisite and corequisite requirements as specified for enrolment in specific units of study: Where a unit of study is a prerequisite, this prerequisite unit must be passed prior to enrolment in any other units for which it is a prerequisite.
- Part-time students are completing their degree over a longer period of time and it is possible, and in fact likely, that there will be curriculum changes while they are undertaking their degree. Part-time students have the responsibility of monitoring changes in curriculum which may affect their progression and for discussing these with the Course Coordinator.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Health Information Management) course. The general admission requirements in Chapter 3 apply.

Course outlines

The course outlines for the Bachelor of Applied Science (Health Information Management) Pass and Honours courses are presented in Table 11.1.

Honours program

For specific information related to the Health Information Management Honours Program, students are advised to contact the School of Health Information Management.

Students in the Honours Program complete all units in the Pass course except BACH 2127 Health Policy and Service Delivery, and they may choose either the unit of study BACH 1136 Clients Practitioners and Organisations or BACH 1146 Analysing Qualitative Health and Social Research. In addition, students must complete BACH 4043 Intermediate Statistics in third year and HIMT 4048 Research Project Part A and HIMT 4049 Research Project Part B as the fourth year of study.

Table 11.1: Bachelor of Applied Science (Health Information Management)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 0902: Pass course; full-time, 3 years Course code 0913: Honours program; full-time, 4 years					
Pass course					
■ Year 1					
BACH 1129	*251A1*	Foundations of Health Sociology	3		1
BACH 1132	*251A4*	Foundations of Psychology for the Health Sciences	3		2
BIOS 1126	*111D3/ 111D3X*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	2
HIMT 1039	*09139*	Microcomputer Applications	4		1
HIMT 1045	*09145*	Clinical Classification I	5		2
HIMT 1046	*09146*	Health Information Systems II	6		2
HIMT 1047	*09147*	Australian Health Care Systems	4		2
HIMT 1048	*09148*	Medical Terminology I	6		1
HIMT 1049	*09149*	Health Information Systems I	6		1
HIMT 1050[1]	*09150*	Professional Experience I	6		1
Stage total for Year 1:			48 credit points		
■ Year 2 (first offered in 2003)					
BACH 1142	*251B4*	Designing Health Research	3		1
BACH 1145	*251B7*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	2
BACH 2022	*2521B*	Psychology of Work and Management	3	p Social Psychology BACH 2091 (25267) or equivalent.	2
BACH 2091	*25267*	Social Psychology	3		1
BIOS 2095	*I12F0/ 112F0X*	Body Functions	4		1 (on-campus), 2 (off-campus)
BIOS 2096	*112F1/ 112F1X*	Body Functions and Disease	4	A Body Functions BIOS 2095 (112F0). *NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.*	1,2
HIMT 2031	*09238*	Programming Logic and Design	3		1
HIMT 2036	*09243*	Medical Science I	3	P Medical Terminology I HIMT 1048 (09148).	2
HIMT 2042	*09249*	Database Systems	3	P Programming Logic and Design fflMT 2031 (09238).	2
HIMT 2043	*09250*	Clinical Classification IIA	3	P Clinical Classification I HIMT 1045 (09145) and Medical Terminology I HIMT 1048 (09148).	1
HIMT 2045	*09252*	Management Principles I	3		1
HIMT 2047	*09254*	Casemix Measurement Systems	3	P Clinical Classification I HIMT 1045 (09145).	2
HIMT 20492	*09256*	Professional Experience II	3		inter-semester
HIMT 2050	*09257*	Clinical Classification IIB	4	P Clinical Classification IIA HIMT 2043 (09250).	2
HIMT 2051	*09258*	Health Informatics 1	3		1
Stage total for Year 2:			48 credit points		
■ Year 3					
BACH 1136	*251A8*	Clients, Practioners and Organisations	3		1
BACH 2127	*252A2*	Health Policy and Service Delivery	3	p Foundations of Health Sociology or Introduction to Health Sociology.	2
HIMT 3025	*09325*	Financial Management in Health Care	3	*NB: Student places are limited.*	1
HIMT 3030	*09331*	Medical Science II	4	p Medical Science I HIMT 2036 (09243).	1
HIMT 3031	*09332*	Medical Science III	3	p Medical Science II HIMT 3030 (09331).	2
HIMT 3032	*09333*	Epidemiology	4	*NB: Student places are limited.*	2
HIMT 3034	*09335*	Law and Health	4		2
HIMT 3041	*09342*	Human Resource Management	3	*NB: Student places are limited.*	1

Table 11.1: Bachelor of Applied Science (Health Information Management) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
HIMT 3043	*09344*	Health Care Evaluation	3		2
HIMT 3044	*09345*	Management Principles II	4		1
HIMT 3050	*09351*	Clinical Classification IIIA	3	P Clinical Classification IIB HIMT 2044 (09251).	1
HIMT 3051	*09352*	Clinical Classification IIIB	3	P Clinical Classification IIB HTMT 2044 (09251).	2
HIMT 3052	*09353*	Health Informatics II	4		2
HIMT 3053	*09354*	Professional Experience III	4		1
Stage total for Year 3:			48 credit points		

Honours program

■ Years 1 and 2

As per Pass course

■ Year 3

BACH 1136	*251A8*	Clients, Practioners and Organisations	3		1
or					
BACH 1146	*251B8*	Analysing Qualitative Health & Social Research	3		1
and					
BACH 4043	*25442*	Intermediate Statistics	3	P Research Methods 1 BACH 1027 (2511G) and Research Method 2 BACH 1118 (251 IR) or Health and Research Design BACH 1138 (251B0) or equivalent.	2
HIMT 3025	*09325*	Financial Management in Health Care	3	*NB: Student places are limited.*	1
HIMT 3030	*09331*	Medical Science II	4	p Medical Science I HTMT 2036 (09243).	1
HIMT 3031	*09332*	Medical Science III	3	P Medical Science II HTMT 3030 (09331).	2
HIMT 3032	*09333*	Epidemiology	4	*NB: Student places are limited.*	2
HIMT 3034	*09335*	Law and Health	4		2
HIMT 3041	*09342*	Human Resource Management	3	*NB: Student places are limited.*	1
HIMT 3043	*09344*	Health Care Evaluation	3		2
HIMT 3044	*09345*	Management Principles II	4		1
HIMT 3050	*09351*	Clinical Classification IIIA	3	*P* Clinical Classification IIB HTMT 2044 (09251).	1
HIMT 3051	*09352*	Clinical Classification IIIB	3	P Clinical Classification IIB HIMT 2044 (09251).	2
HIMT 3052	*09353*	Health Informatics II	4		2
HIMT 3053	*09354*	Professional Experience III	4		1
Stage total for Year 3:			48 credit points		

■ Year 4

HIMT 4048	*09474*	Research Project A	21		1
HIMT 4049	*09475*	Research Project B	24		2
Stage total for Year 4:			45 credit points		

■ Notes

1. 1 day a week placement during Semester 1 (from Weeks 5-9).
2. 2 weeks inter-semester placement.

■ Professional experience

Professional experience provides students with a variety of learning experiences which relate both to the theoretical content of the classroom and to their future professional career goals. A range of field-based activities are organised in selected learning sites which include hospitals, community care centres, research units and the Department of Health (NSW).

Identification badges

All students must wear identification badges during practical placements.

Clinical practice dates

Year 1

One day a week during semester 1 (from Weeks 5 - 9)

Year 2

30 June - 11 July (2 weeks)

Year 3

28 July - 8 August (2 weeks).

■ Units of study

BACH 1129 Foundations of Health Sociology

Old code 251A1.3 credit points. **Semester: 1. Assessment:** Class Essay 35% and Examination 65%.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1132 Foundations of Psychology for the Health Sciences

Old code 251A4.3 credit points. Semester: 2. Assessment: 1000 Word Essay 50% and 1 hr MCQ Examination 50%.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1136 Clients, Practioners and Organisations

Old code 251A8.3 credit points. Semester: 1. Assessment: 1500 word essay (50%), 1 hour Essay Examination (50%).

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian Health Care System. The unit emphasises: sociology of client/ practitioner relationships; sociology of work and organisations in health care sethngs; theoretical perspectives on the self, the body, illness and identity.

BACH 1142 Designing Health Research

Old code 251B4.3 credit points. Dr Zakia Hossain, Dr Rob Heard, Dr Kaye Brock. **Semester:** 1. Classes: On campus, 39 hours. **Assessment:** 1500 word qualitative data collection exercise (50%), 1500 word quantitative data collection exercise (50%),.

This unit is designed to introduce students to the practicalities of the research process in both qualitative and quantitative aspects. As well as an introduction to submission of an institutional ethics proposal and development of a research questionnaire, concepts of experimental validity, single case research and group experimental research are developed. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Students will elect to develop their skills in a selection of interview, survey, observational and epidemiological research designs, will be introduced as well as concepts of Database and literature review techniques will for the basis of and introduction to issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Analysing Quantitative Health & Social Research

Old code 251B7.3 credit points. **Semester: 2. Assumed knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MC Examination (60%).

This unit introduces prospective health science practitioners and researchers to methods for exploring, analysing, understanding and interpreting quantitative data. It aims to provide an understanding of the main ideas of statistics and useful skills for working with data as well as to introduce students to common data analysis tools.

Methods for collecting, exploring and presenting data are discussed from the perspective of the practitioner. Graphical methods and descriptive statistics are emphasised throughout the unit and precede all analysis techniques. The normal and sampling distributions are introduced. The early emphasis in this unit will be placed on explaining; patterns in data, outliers and variability.

Random sampling in the context of randomised comparative experiments precedes an introduction to statistical inference for comparisons and relationships. Methods for parametric and non-parametric inference are introduced for one, two and multiple samples. The unit also introduces students to techniques of epidemiological data analysis and program evaluation.

Students will use data analysis software packages that are in common use in employment sethngs.

The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

BACH 1146 Analysing Qualitative Health & Social Research

Old code 251B8.3 credit points. **Semester: 1. Assessment:** 2X1500 word assignments (50% Each).

This subject introduces students to key elements in the design of qualitative research. The student will acquire skills in recognising research questions and problems which are appropriately investigated using qualitative methods. The unit will present a range of qualitative methodologies including naturalistic observation and in-depth interviews. Students will develop skills in recording and presenting qualitative data and in the use of analysis techniques suitable for qualitative data.

BACH 2022 Psychology of Work and Management

Old code 2521B. 3 credit points. Dr Barbara Adamson. **Semester:** 2. **Classes:** 3 hours/week for 10 weeks. **Prerequisite:** Social Psychology BACH 2091 (25267) or equivalent. **Assessment:** Continuous.

This unit aims to bring behavioural science perspectives to the analysis of work, work behaviour and occupations as applied to health information management and includes work motivation, work satisfaction, work and the individual, the psychopathology of work, work stress, technical change, work and leisure, redesigning work and managing change.

Practical: Fieldwork

Textbooks

Manual, key references

BACH 2091 Social Psychology

Old code 25267.3 credit points. Semester: 1.

This unit includes the study of social perception and attribution theory, social interaction, social influence, aggression and violence, group dynamics and leadership theories.

BACH 4043 Intermediate Statistics

Old code 25442.3 credit points. Dr Peter Choo. **Semester:** 2. **Classes:** On campus 3 hours/week. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Method 2 BACH 1118 (2511R) or Health and Research Design BACH 1138 (251B0) or equivalent. **Assessment:** Written assignments and examination.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BIOS 1126 Human Biology and Biochemistry

Old code 111D3/111D3X. 4 credit points. Dr Peter Knight. **Semester: 2. Assumed knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied:

the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

BIOS 2095 **Body Functions**

Old code 112F0/112F0X. 4 credit points. Dr Patricia Weerakoon. **Semester: 1** (on-campus), 2 (off-campus). **Assessment:** MCQ and SAQ 40% End Semester exam 60%.

This unit of study will provide the students with an integrated understanding of the structure and function of the human body. The content will be based on the concept of homeostasis in health and disease. This will be developed in terms of 'body systems'. The unit will build upon material in BIOS 1126 and will provide a knowledge base for further studies in Biomedical Sciences.

The learning methodology will include; on-line modules with embedded formative assessments, complemented by lectures and tutorials. Collaborative learning will be encouraged with the provision of on-line discussion forums and email. Profession-specific work sheets will allow students to understand the application of biomedical principles to their personal context.

Textbooks

Hole's Essentials of Human Anatomy and Physiology, 8th Edition. Shier, D., Butler, J and Lewis, R. (2000). McGraw-Hill Higher Education.

BIOS 2096 **Body Functions and Disease**

Old code 112F1/112F1X.4 credit points. Dr Elizabeth Hegedus. **Semester: 1,2. Assumed knowledge:** Body Functions BIOS 2095 (112F0). **Assessment:** Self-evaluation tasks - CD ROM and Web, Mid Semester exam 40% (MCQ and SAQ) and End Semester exam 60% (MCQ and SAQ).

NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.

This unit continues from BIOS 2095 and builds the students' understanding of disease processes and the associated medical terminology. This will include:

- An introduction to mechanisms of disease and basic pathophysiology
- Study of the blood and immune systems and associated disorders, followed by a discussion of cross infection and principles of infection control
- Disorders and principles of disease management, including an introduction to basic pharmocology in the following body systems: cardiovascular, respiratory, gastrointestinal, endocrine, reproductive, renal, nervous and musculoskeletal systems.

Student learning will be facilitated with lectures and profession-based tutorials, together with CD ROM and Web based material.

Textbooks

Mulvihill, ML, Zelman, M, Holdaway, P, Tompary, E, Turchany, J. (2001) Human Diseases: A systemic approach, 5th Edition, Prentice-Hall, New Jersey.

HIMT1039 **Microcomputer Applications**

Old code 09139.4 credit points. Semester: 1. Classes: On-campus attendance, day classes. Assessment: Assignments/examinations.

In this unit students are introduced to microcomputer applications. These include the MS Windows 2000 Operating System, email, a spreadsheet and a word processing package, an introduction to PowerPoint, and instructions to use Internet browsers. Students will be able to evaluate advantages and limitations of microcomputers in comparison to mainframe computers.

HIMT 1045 **Clinical Classification I**

Old code 09145.5 credit points. Ms Vera Dimitropoulos. **Semester: 2. Classes:** 3-4 hours per week on campus. **Assessment:** Continuous assessment.

This unit introduces the student to the classification of diseases and procedures in medicine. It incorporates an overview of the historical development of clinical classification systems as well as the purpose and value of classification systems. The major emphasis is on a detailed study of the International Classification of Diseases, 10th Revision, Australian Modification (ICD-10-AM). An introduction to disease and operation indexing and the NSW Health Department's Inpatient Statistics Collection will be included.

Practical: Students will undertake practical exercises through tutorials and independent learning.

Textbooks

National Center for Classification in Health. (2nd ed). Vols 1-5. The International Classification of Diseases and Related Healm Problems (2000), 10th revision, Australian Modification. Lidcombe: NCCH.

HIMT 1046 **Health Information Systems II**

Old code 09146.6 credit points. **Semester:** 2. **Classes:** On-campus attendence, day classes. **Assessment:** Continuous assessment/ examination.

In this unit students extend their study of health information systems by focusing on the collection, analysis and reporting of health data. This will include the current mechanisms and systems used to collect and report data to government departments and other authorities. Both public and private hospital patient administration system will be discussed and evaluated. Forms design principles and forms management will also be covered. Professional issues and business communication skills will be further developed in students following the initial introduction provided to HIMT 1049 Health Information Systems I and HIMT 1050 Professional Experience I.

HIMT 1047 **Australian Health Care Systems**

Old code 09147.4 credit points. Ms Janelle Craig. **Semester:** 2. **Classes:** On-campus attendence, day classes. **Assessment:** Continuous assessment/examination.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and State responsibilities for health, health insurance and medicare, and trends in the provision of health services the interactive web-based teaching to all the Health Care Game is used in the delivery and assessment of this unit.

HIMT 1048 **Medical Terminology I**

Old code 09148.6 credit points. Semester: 1. Classes: On-campus attendence, day classes. Assessment: Assignment/examination.

This unit is designed to introduce students to the language necessary to understand the information contained in the medical record. Students study the basic concepts of medical terminology including the history and development of the medical language. Students will develop skills in the structural analysis of medical terms, formulating roots, suffixes, prefixes, combining vowels and forms. Current medical, surgical and investigatory abbreviations relating to all the body systems. Also included is the study of lay terms, eponyms, homonyms, medical and surgical specialists departments, and the use of a medical dictionary and MIMS.

Textbooks

1. Mosby's Medical, Nursing, and Allied Healdi Dictionary. Anderson, K.N., Anderson, L.E., & Glanze, W.D. (1994).
2. The Language of Medicine. (6th ed). Chabner, D.E. (2001). Philadelphia: W.B. Saunders Co.

or

3. Steadmans Concise Medical Dictionary for the Health Professions. Dirckx, J.II. (1997). Ohio: Williams and Wilkins.

HIMT 1049 **Health Information Systems I**

Old code 09149.6 credit points. Basema Saddik. **Semester:** 1. **Classes:** On-campus attendence, day classes. **Assessment:** Assignments/ examinations.

This unit introduces students to the concepts and components of health information systems, including the health record as an information system, the development of the health record during the healthcare process and the quality of medical recording. The role of the Health Information Manager (HIM) and the functions of a medical record department are examined along with professional ethics and patient rights. The major component of the unit focuses on hospital record management. Legal aspects related to confidentiality and release of information are examined.

The unit includes an introduction to computerised patient information systems, and students will become familiar with the use of the computerised Patient Master Index (PMI) and Admissions, Transfers and Separations (ATS) system through the New South Wales HOSPAS system. Visits to hospitals to observe and practice skills are a compulsory component of the unit.

The unit also aims to develop students written and verbal communication skills through class activities and assessment tasks.
Practical: 2 day visits (approx 6 hours each) are provided to allow students to observe and practice skills discussed in the classroom.

HIMT 1050 **Professional Experience i**

Old code 09150.6 credit points. Ms Anne Marks. **Semester:** 1. **Classes:** Off campus, block mode. **Assessment:** Assignment and supervisor's evaluation.

The unit offers students a one day week placement over 5 weeks in semester one which allows the student to apply the knowledge and practice the skills gained in HIMT 1049 (09149) Health Information Systems I.

HIMT 2031 **Programming Logic and Design**

Old code 09238.3 credit points. Ms Angelika Lange. **Semester: 1**. **Classes:** Attendance required Day classes. Assessment: Assignment/ examination.

This unit introduces students to structured programming, using the language C. Standard techniques generally employed in programming, the syntax of C, program design aids (Nassi-Shneiderman Diagrams), data types and data structures are covered. The unit also provides an introduction to object-orientated concepts using the Software C++.

HIMT 2036 **Medical Science I**

Old code 09243.3 credit points. **Semester: 2. Classes:** On-campus attendence, day classes. **Prerequisite:** Medical Terminology I HIMT 1048 (09148). **Assessment:** Examinations.

This unit is designed to provide the theoretical basis by which students can understand the process of medical care. Topics studied include disease processes and medical treatment relating to body systems concentrating on general and specialist medicine relating to the cardiovascular, respiratory, renal, metabolic, musculoskeletal, endocrine systems, and central nervous systems.

HIMT2042 **Database Systems**

Old code 09249.3 credit points. **Semester: 2. Classes:** On campus, 21 hours block mode. Four weeks follow up classes with one hour per week. **Prerequisite:** Programming Logic and Design HIMT 2031 (09238). **Assessment:** Assignments/examinations.

This unit covers the study of relational database design, using MS-ACCESS, SQL and the Clinical Report System (CRS). This includes data structures, logic database design, the relational model and the functions of a database management system.
Textbooks
SQL for Dummies (2nd ed). Taylor, A.G. (1997). Chicago: IDG Books.

HIMT 2043 **Clinical Classification IIA**

Old code 09250.3 credit points. Ms Vera Dimitropoulos. **Semester: 1. Classes:** 3 hours per week, on campus. **Prerequisite:** Clinical Classification I HIMT 1045 (09145) and Medical Terminology I HIMT 1048 (09148). **Assessment:** Continuous assessment.

A continuation of the development of coding skills using ICD-9-CM begun in Clinical Classification I. Students are introduced to coding from discharge summaries and medical record reports to develop their skills in data abstraction for coding, especially the selection of principal diagnoses. The Australian Standards for ICD-9-CM Coding are studied and applied in detail.
Practical: Students will undertake practical exercises through tutorials and independent learning
Textbooks
National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT2045 **Management Principles I**

Old code 09252.3 credit points. Joanne Callen. **Semester:** 1. **Classes:** 2 hours per week, on campus. **Assessment:** Continuous assessment and workbook activities.

This unit is designed to introduce students to the principles of management and their application to the area of health information management. Topics covered include an introduction to management and management theories, business communication skills, motivation in the workplace, decision making and strategies for managing conflict in the workplace One of the key objectives of this unit is to enable the students to develop practical management skills.

HIMT 2047 **Casemix Measurement Systems**

Old code 09254.3 credit points. Ms Joanne Callen. **Semester:** 2. **Classes:** On-campus attendence, day classes. **Prerequisite:** Clinical Classification I HIMT 1045 (09145). Assessment: Assignments/final examination.

This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will be explored.
References
Reievent journal articles, conference proceedings, available texts.

HIMT 2049 **Professional Experience II**

Old code 09256.3 credit points. Ms Anne Marks. Semester: inter-semester. Classes: 70 hours (2 weeks). Block mode. Assessment: Assignment and supervisor's evaluation.
This unit gives the students the opportunity to build on the practical experience gained in year 1 by examining in detail certain Medical Record Department procedures and Patient Administration Systems. The development of basic business communication activities including documenting a procedure, writing a memorandum, and a business case or executive summary related to a professional issue of concern within the department will be included in the student's assessment tasks.
Practical: 70 hours clinical placement. Off campus, block mode.

HIMT 2050 **Clinical Classification MB**

Old code 09257.4 credit points. Ms Vera Dimitropoulos. **Semester: 2. Classes:** 2-3 hours per week on campus. **Prerequisite:** Clinical Classification IIA HIMT 2043 (09250). **Assessment:** Continuous assessment.

This unit covers disease notification and registration procedures. Specialist classifications and nomenclatures are also investigated. Practice in ICD-10-AM and the use of computerised encoders is provided. Students are introduced to coding complex cases using de-identified discharge summaries and medical reports.
Practical: 4—8 hours of practical coding from medical records on site, in hospitals
Textbooks
National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 2051 **Health Informatics 1**

Old code 09258.3 credit points. Ms Angelika Lange. **Semester:** 1. **Classes:** Attendence required, day classes. **Assessment:** Continuous assessment/assignments.

This unit aims to introduce students to the discipline of health informatics and the core principles and concepts related to the use of information technology in health care. Students will also explore current health informatics applications in health service delivery.
References
Reievent journal articles, conference proceedings, available texts

HIMT 3025 **Financial Management in Health Care**

Old code 09325.3 credit points. **Semester:** 1. **Classes:** On-campus attendence, day classes. **Assessment:** Class test and final examination.
NB: Student places are limited.
In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include the accounting function embracing basic accounting procedures, financial and budgetary control methods, the budgetary process and types of budgets. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

HIMT 3030 **Medical Science II**

Old code 09331.4 credit points. Semester: 1. Classes: On-campus attendence, day classes. Prerequisite: Medical Science I HIMT 2036 (09243). Assessment: Sectional test and final exam.
This unit continues the study of disease processes and the physician's and surgeon's response to these processes, and focuses on topics in general and specialist surgery and obstetrics.

II IMT 3031 **Medical Science III**

Old code 09332.3 credit points. Semester: 2. Classes: On-campus attendence, day classes. Prerequisite: Medical Science II HIMT 3030 (09331). Assessment: Sectional test adn final exam.
In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry,

paediatrics, oncology, radiotherapy, nuclear medicine, geriatrics, and rehabilitation medicine. Studies also include investigations and pharmacology.

HIMT 3032 **Epidemiology**

Old code 09333.4 credit points. Dr Aditi Dey. Semester: 2. Classes: Attendance required, Day classes. Assessment: Assignments/ examination.

NB: Student places are limited

This unit introduces students to epidemiology, through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies and quantitative aspects of epidemiological research. This unit also includes issues pertaining to screening tests, disease outbreaks, randomised controlled trials, surveillance and critical appraisal of documented research.

Textbooks

The Health of Populations: An Introduction.Harper, A.C., Holman, C.D.J., & Dawes, V.P (1994). Melbourne: Churchill Livingstone

HIMT 3034 **Law and Health**

Old code 09335.4 credit points. Dr Judith Mair. Semester: 2. Classes: On-campus attendance, day classes. Assessment: Class tests and final examination.

In this unit students study legal principles relating to health care. Topics covered include the origin and development of the structure of the court system, legal personnel and litigation, subpoena of witnesses and records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner's Court. The unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care systems; and policies incorporated within the NSW Department of Health Patient Matters Manual.

Textbooks

Law for the Nursing Profession and Allied Health Care Professions. (3rd ed). Edginton, J. (1995). Sydney: CCH Australia.

HIMT 3041 **Human Resource Management**

Old code 09342.3 credit points. Joanne Callen. Semester: 1. Classes: On-campus attendence for 3 day block. Assessment: Assignments.

NB: Student places are limited

This unit is designed to introduce the student to the human resource management function relevant to the work of a health services manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered. Students are taught how to prepare their own curriculum vitae, job application skills and interview techniques.

HIMT 3043 **Health Care Evaluation**

Old code 09344.3 credit points. Ms Janelle Craig. Semester: 2. Classes: On campus - block mode 3x8 hour days. Assessment: Continuous assessment/assignments.

In this unit students are introduced to the concepts of quality healthcare. Approaches to the evaluation of health care at a national level are discussed along with the assessment of health care at an organisational and individual level. Topics covered include evidence based health care, health outcomes, variation research, consumer satisfaction, total quality management, and clinical indicators. Approaches to improve quality of care such as practice guidelines are discussed. Program evaluation principles will be addressed. Techniques and methodologies for assessing quality of care along with the elements of an effective evaluation program and sources of information for use in evaluation are discussed.

Note: This unit is provided in Block mode attendance only.

HIMT 3044 **Management Principles II**

Old code 09345.4 credit points. Joanne Callen. Semester: 1. Classes: On-campus attendence, day classes. Assessment: Workbook activities, assignment and final examination.

This unit builds introduces students to the concept of leadership with reference to power, authority, delegation and control. Other topics include: building effective teams, organising work, the influence of organisational culture, change management, managerial ethics and keys to a successful management career. A key objective is to develop practical management skills.

HIMT 3050 Clinical Classification **IIIA**

Old code 09351.3 credit points. Ms Vera Dimitropoulos. Semester: 1. Classes: N/A. Prerequisite: Clinical Classification IIB HIMT 2044 (09251). Assessment: Final examination.

This unit extends the student's skills in clinical coding using ICD-10-AM. During the semester, students will be required to undertake coding of medical records in hospitals. Clinical coding self study workbooks have been prepared using de-identified copies of medical records to reinforce the coding skills being developed by the student at the hospital.

Practical: Practical coding sessions at a hospital (8 hours)

Textbooks

National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 3051 Clinical Classification 1MB

Old code 09352.3 credit points. Ms Vera Dimitropoulos. Semester: 2. Classes: 2 hours per week on campus. Prerequisite: Clinical Classification IIB HIMT 2044 (09251). Assessment: Continuous assessment.

In this unit the most recent coding standards are reviewed, computerised coding software is examined, and methods of quality control for coding are investigated.

Practical: Students will undertake practical excercises through tutorials and independant learning

Textbooks

National Center for Classification in Health. (2000). The International Classification of Diseases and Related Health Problems, 10th revision, Australian Modification (2nd ed). Vols 1-5. Lidcombe: NCCH.

HIMT 3052 **Health Informatics II**

Old code 09353.4 credit points. Semester: 2. Classes: On-campus attendance, day classes. Assessment: Continuous assessment/ assignments.

This unit further develops students' knowledge in Health Informatics and is designed to introduce students to a wide range of current health informatics topics. The core topics in this unit include current Commonwealth and State's initiatives in health informatics, Electronic Health Record, HealthConnect, global e-Health, clinical decision support systems, security issues in health IT systems, patient's confidentiality, people and organisational issues associated with IT integration in health services, consumer informatics, digital image management, and methodologies for evaluation of clinical information systems. Students will also have the opportunity to learn a range of other current health informatics development such as wireless technology in home care delivery, computerised test ordering systems and XML in health data messaging.

HIMT 3053 Professional Experience **III**

Old code 09354.4 credit points. Ms Anne Marks. Semester: 1. Classes: Off campus, block mode. Assessment: Assignment, workshop and supervisor's evaluation.

This unit allows the student to gain direct experience in the organisation and management of patient information systems outside or within the traditional medical record department. Students are given the opportunity to investigate health information systems and the work of health information managers in areas in which they may themselves have a particular interest.

Practical: 70 hours clinical placement, off campus, block mode

HIMT 4048 **Research Project** A

Old code 09474.21 credit points. Semester: 1. Assessment: Thesis.

This unit provides Honours students with the opportunity to develop a proposal to undertake an investigation in an area of specialised interest in health information management.

HIMT 4049 **Research Project** B

Old code 09475.24 credit points. Semester: 2. Assessment: Thesis.

During this unit the Honours students will complete the investigation begun during Research Project A. The student will prepare a written report suitable for submission to a refereed journal for publication.Full details of the requirements for this report can be found in the School of Health Information Management's Bachelor of Applied Science (Health Information Management) (Honours) Guidelines, Policy and Procedures.

12 School of Medical Radiation Sciences

Established in 1988 as the School of Medical Radiation Technology, the School's name was changed to the School of Medical Radiation Sciences in 1999 to better reflect its emphasis on scientific investigation of a wide range of medical radiation fields. There are three streams in the Bachelor of Applied Science (Medical Radiation Sciences) course; Diagnostic Radiography, Nuclear Medicine and Radiation Therapy. All of the health professions in the School combine close patient contact and good communication skills along with the use of technology, to maximise the results for the patient and provide high quality patient care. Postgraduate study is available by research and coursework in all the Medical Radiation Sciences fields; some is offered by off-campus or distance education mode. Graduate Diploma and Master of Health Science (Medical Sonography) are available for those wishing to practise as Sonographers.

A Diagnostic Radiographer is a qualified health professional who utilises a range of modalities to provide images and data for the diagnosis and treatment of an injury or disease. The diagnostic radiographer has the skills and knowledge to critically analyse the images and data generated to determine whether they are diagnostically adequate and appropriate for radiological interpretation. In the radiology department the diagnostic radiographer will usually work with the radiologist, however, outside the department they may work with a range of medical specialists in a variety of areas.

Diagnostic Radiographers are involved with many digital imaging systems, the most advanced being Magnetic Resonance Imaging. This is a very sensitive method of imaging some parts of the body and is a rapidly expanding speciality which allows the radiographer to be 'on the cuthng edge' for advances in technology and associated research.

A Nuclear Medicine Technologist works in the field of medicine that uses radionuclides in the diagnosis and treatment of disease. A Nuclear Medicine Technologist's responsibilities include the preparation and administration of radiopharmaceuticals to patients and the acquisition and computer analysis of diagnostic functional images using sophisticated instrumentation. Therapeutic radiopharmaceuticals are prepared for administration and are used in the treatment of specific diseases. New developments in both instrumentation, for example, Positron Emission Tomography, and radiopharmaceuticals produced from the National Cyclotron make this a rapidly evolving and exciting technology. Nuclear Medicine Technologists have responsibility for critically analysing images and data to determine whether they are of a high diagnostic standard; for performing quality control procedures in all aspects of their work and for ensuring that they provide a high level of patient care.

A Radiation Therapist is responsible for the accurate and precise planning, calculation and delivery of radiation to cure or relieve the symptoms of malignant disease. A Radiation Therapist is involved in the localisation of the treatment area using CT scans and treatment simulators, the design and calculation of the treatment technique using sophisticated computerised planning systems, and the daily treatment of patients. They also provide emotional, social and educational support to their patients and because patients undergo treatment for several weeks, Radiation Therapists have the opportunity to develop friendly and supportive relationships with their patients.

A Medical Sonographer is responsible for the production of diagnostic images and other diagnostic information using ultrasound. Non-invasive investigations are performed on most soft tissue regions of the body. Using Doppler technology, blood flow characteristics can be determined at any localised site in soft tissue and in vessels, enabling rapid diagnostic information to be obtained. Increases in technology are enabling more information to be collected to quantify both function and anatomical detail. Sonographers have a high level of autonomy and have the professional responsibility for performing a provisional diagnosis during an examination. They are required to acquire and selectively record appropriate images of the examination to facilitate a diagnosis.

Health professionals working in any of the disciplines described above must combine technical competence and expertise with a high level of communication and interpersonal skills. At all times they must maintain a high level of concern for the care and safety of patients. As health professionals they are an integral part of the medical team.

During the undergraduate course, students are given the opportunity to gain experience in the practice of their discipline whilst on clinical placements. Students visit centres which are part of both the public and private sector. During these placements they have the opportunity to develop an understanding of the career path they have chosen and it's place in the modern medical environment.

Qualifications gained from the School of Medical Radiation Sciences are recognised world wide and many of our graduates work in diverse parts of the world. The courses stress the importance of developing a life long athtude to learning and provide graduates with a wide range of generic attributes. These skills allow them to not only develop within their chosen profession, but to branch into different careers as new opportunities present.

Nomenclature used to describe practitioners of the medical radiation disciplines varies, due to state industrial awards, regulatory bodies, professional bodies, tradition and common community usage. Diagnostic Radiographers may also be referred to as Radiographers or Medical Imaging Practitioners. Radiation Therapists used to be called Therapeutic Radiographers and this term is still occasionally used. Nuclear Medicine Technologists may also be referred to as Nuclear Medicine Scientists and Medical Imaging Scientists or Practitioners. For many years practitioners of diagnostic ultrasound were referred to as (Medical) Ultrasonographers but now the term Sonographer is preferred. Within NSW all such practitioners working in Public Institutions are included in the category of Medical Radiation Scientists for industrial purposes. It is anticipated that over the next few years the diversity of names will be rationalised.

■ Bachelor of Applied Science (Medical Radiation Sciences)

This course has three main streams: Diagnostic Radiography, Nuclear Medicine Technology and Radiation Therapy.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Applied Science (Medical Radiation Sciences) course. The general admission requirements in Chapter 3 apply. However, prospective students would benefit from undertaking Mathematics, and either one of Physics, Chemistry, or Biology at HSC level. Good oral English communication skills are assumed as a large component of the course involves dealing directly with people in clinical sethngs. Advanced standing in some units will be given on the basis of successfully passing a challenge exam.

Course outlines

The course outlines with its three streams and Honours program are presented in Table 12.1.

Table 12.1: Bachelor of Applied Science (Medical Radiation Sciences)

A: Assumed knowledge P: Prerequisite
Q: Qualifier C: Corequisite N: Prohibition

Course code 1837[D]: Pass course; full-time, 3 years
Course code 183 8 [N]: Pass course; full-time, 3 years
Course code 1839[R]: Pass course; full-time, 3 years
Course code 1846[D]: Honours program; full-time, 4 years
Course code 1847[N]: Honours program; full-time, 4 years
Course code 1848[R]: Honours program; full-time, 4 years

Pass course

■ YeaM

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BACH 1130	***25IA2***	Foundations of Health Sociology	3		2
BACH 1131	***25IA3***	Foundations of Psychology for the Health Sciences	3		1
BACH 1143	***251B5***	Designing Health Research	3		2
BIOS 1119	***111C6***	Introductory Radiation Physics IA	6		1
BIOS 1120	***111C7***	Introductory Radiation Physics IB	3		2
BIOS 1124	***111D2***	Human Biology and Biochemistry	4	A Basic Chemistry. ***NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.***	1
BIOS 1128	***111D5***	Structure, Function and Disease I	4	A Human Biology and Biochemistry BIOS 1124 (111D2).	1
BIOS 1129	*1UD6*	Structure, Function and Disease II	4	A Human Biology and Biochemistry BIOS 1124 (111D2).	2
MRTY 1018	***18120***	Introduction to Clinical Education	3	c Radiographic Practice IA MRTY 1019 (18121) or Radiation Therapy IA MRTY 1027 (18129) or Nuclear Medicine IA MRTY 1023 (18125).	1
plus					
Diagnostic Radiography					
MRTY 1019	***18121***	Radiographic Practice IA	4	C Introductory Radiation Physics IA BIOS 1119(111C6).	1
MRTY 1020	***18122***	Radiographic Practice IB	5	P Radiographic Practice IA MRTY 1019 (18121). C Radiographic Physics 1 MRTY 1021 (18123), Structure Function and Disease 2BIOS1129(lllD6).	2
MRTY 1021	***18123***	Radiographic Physics 1	3	P Introductory Radiation Physics IA BIOS 1119(111C6).	2
MRTY 1022	***18124***	Clinical Education IA	3	p Introduction to Clinical Education MRTY 1018 (18120), Radiographic Practice IA MRTY 1019 (18121), CPR Certificate. C Radiographic Practice IB MRTY 1020 (18122).	2
or					
Nuclear Medicine					
MRTY 1023	***18125***	Nuclear Medicine IA	4	C Introductory Radiation Physics 1ABIOS 1119 (111C6).	1
MRTY 1024	***18126***	Nuclear Medicine IB	5	P Nuclear Medicine IA MRTY 1023 (18125). c Clinical Education IB MRTY 1026 (18128).	2
MRTY 1025	***18127***	Nuclear Medicine Physics 1	3	P Introductory Radiation Physics IA BIOS 1119 (111C6).	2
MRTY 1026	***18128***	Clinical Education IB	3	P Introduction to Clinical Education MRTY 1080 (18120).	2
or					
Radiation Therapy					
MRTY 1027	***18129***	Radiation Therapy IA	4	c Introductory Radiation Physics IA BIOS 1119 (111C6).	1
MRTY 1028	***18130***	Radiation Therapy IB	5	P Radiation Therapy IA MRTY 1027 (18129). C Radiation Therapy Physics 1 MRTY 1029 (18131).	2
MRTY 1029	***18131***	Radiation Therapy Physics 1	3	P Introductory Radiation Physics IA BIOS 1119(111C6).	2
MRTY 1030	***18132***	Clinical Education 1C	3	P Introduction to Clinical Education MRTY 1018 (18120), CPR Certificate.	2
Stage total for Year 1:			48 credit points		

■ Year 2

BIOS 2097	***112F2***	Structure, Function and Disease in	4	P Human Biology and Biochemistry BIOS 1124(111D2).	1
MRTY 2057	***18257***	Introductory Radiation Biology and Protection	3	p Human Biology and Biochemistry BIOS 1124(111D2) or approved alternative.	1
MRTY 2058	***18258***	Sectional Anatomy	3	P Structure, Function and Disease 1 BIOS 1128 (111D5), Structure, Function and Disease 2 BIOS 1129 (111D6). C Structure, Function and Disease 3 BIOS 2097 (112F2).	1
MRTY 2059	***18259***	Medical Ethics and Professional Issues	3	c Clinical Education 2A MRTY 2063 (18263) or Clinical Education 2B MRTY 2067 (18267) or Clinical Education 2C MRTY 2070 (18270).	2
plus					
Diagnostic Radiography					
MRTY 2060	***18260***	Radiographic Physics 2	4	P Introductory Radiation Physics IA BIOS 1119 (111C6). C Introductory Radiation Biology and Protection MRTY 2057 (18257).	1
MRTY 2061	***18261***	Radiographic Practice 2	7	P Radiographic Practice IB MRTY 1020 (18122), Clinical Education IA MRTY 1022 (18124).	1

Table 12.1: Bachelor of Applied Science (Medical Radiation Sciences) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
MRTY 2062	*18262*	Radiographic Pathology 1	3	P Radiographic Practice IB MRTY 1020 (18122). C Radiographic Practice 2 MRTY 2061 (18261).	1
MRTY 2063	*18263*	Clinical Education 2A	21	P Clinical Education IA MRTY 1022 (18124), Radiographic Practice 2 MRTY 2061 (18261). C Medical Ethics and Professional Issues MRTY 2059 (18259).	2
or					
Nuclear Medicine					
MRTY 2064	*18264*	Nuclear Medicine Physics 2	4	P Nuclear Medicine Physics 1 MRTY 1025 (18127). C Introductory Radiation Biology and Protection MRTY 2057 (18257).	1
MRTY 2065	*18265*	Nuclear Medicine 2	6	P Nuclear Medicine IB MRTY 1024 (18126).	1
MRTY 2066	*18266*	Radiopharmacy	4	P Human Biology and Biochemistry BIOS 1124(lllD2)orapproved alternative.	1
MRTY 2067	*18267*	Clinical Education 2B	21	P Clinical Education IB MRTY 1026 (18128). C Medical Ethics and Professional Issues MRTY 2059 (18259).	2
or					
Radiation Therapy					
BIOS 2094	*I12E7*	Oncology A	3	P Human Biology and Biochemistry BIOS 1124(111D2), Structure, Function and Disease II BIOS 1129(111D6).	1
MRTY 2068	*18268*	Radiation Therapy Physics 2	4	P Radiation Therapy Physics 1 MRTY 1029 (18131). C Introductory Radiation Biology and Protection MRTY 2057 (18257).	1
MRTY 2069	*18269*	Radiation Therapy 2	7	P Radiation Therapy IB MRTY 1028 (18130). C Radiation Therapy Physics 2 MRTY 2068 (18268) Oncology A BIOS 2094 (112E7).	1
MRTY 2070	*18270*	Clinical Education 2C	21	P Clinical Education 1C MRTY 1030 (18132), Radiation Therapy 2 MRTY 2069 (18269). C Medical Ethics and Professional Issues MRTY 2059 (18259).	2
Stage total for Year 2:			48 credit points		

■ Year 3

Choice of one of the following research units:

BACH 1140	*251B2*	Analysing Health Research: General	3	A Basic mathematics.	1
BACH 1144	*251B6*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	1
BACH 1146	*251B8*	Analysing Qualitative Health & Social Research	3		

Choice of one of the following:

BACH 1135	*251A7*	Health, Athtudes and Interaction	3	P Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	1
BACH	*251A8*	Clients, Practioners and	3		

Choice of one of the following:

BACH 2127	*252A2*	Health Policy and Service Delivery	3	P Foundations of Health Sociology or Introduction to Health Sociology.
BACH 2128	*252A3*	Cognition and Cognitive Impairment	3	A Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5).

plus

MRTY 3059	*18359*	Image Processing	3	P Radiographic Physics 2 MRTY 2060 (18260) or Nuclear Medicine Physics 2 MRTY 2064 (18264) or Radiation Therapy Physics 2 MRTY 2068 (18268).
MRTY 3060	*18360*	Medical Radiations Project		P Radiographic Practice 3 MRTY 3063 (18363) or Nuclear Medicine 3A MRTY 3070 (18370) or Radiation Therapy3A MRTY 3075 (18375).
MRTY 3061	*18361*	Integrated Diagnosis and Treatment	3	P Radiographic Practice 2 MRTY 2061 (18261) or Nuclear Medicine 2 MRTY 2065 (18265) or Radiation Therapy 2 MRTY 2069 (18269).

plus

Diagnostic Radiography

MRTY 3062	*18362*	Radiographic Physics 3A	3	P Radiographic Physics 2 MRTY 2060 (18260), Radiographic Practice 2 MRTY 2061 (18261). C Image Processing MRTY 3059 (18359).
MRTY 3063	*18363*	Radiographic Practice 3	3	P Radiographic Practice 2 MRTY 2061 (18261). C Clinical Education 3A MRTY 3066 (18366).
MRTY 3064	*18364*	Sonography A		
MRTY 3065	*18365*	Radiographic Pathology 2	3	c Radiographic Practice 3 MRTY 3063 (18363).
MRTY 3066	*18366*	Clinical Education 3A	3	P Clinical Education 2A MRTY 2063 (18263), Radiographic Practice 2 MRTY 2061 (18261). C Radiographic Practice 3 MRTY 3063 (18363).
MRTY 3067	*18367*	Radiographic Physics 3B	3	P Radiographic Physics 2 MRTY 2060 (18260), Radiographic Practice 3 MRTY 3063 (18363).
MRTY 3068	*18368*	Clinical Education 4A	3	P Clinical Education 3A MRTY 3066 (18366) Radiographic Practice 3 MRTY 3063 (18363).

Table 12.1: Bachelor of Applied Science (Medical Radiation Sciences) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Radiography electives (see note 3)			Semester 2 credit points: 6.		
Elective studies (see note 4)			Semester 2 credit points: 3.		
or					
Nuclear Medicine					
MRTY 3064	*18364*	Sonography A	3		1
MRTY 3069	*18369*	Nuclear Medicine Physics 3	3	P Nuclear Medicine Physics 2 MRTY 2064 (18264), Introductory Radiation Biology and Protection MRTY 2057 (18257). C Image Processing MRTY 3059 (18359).	1
MRTY 3070	*18370*	Nuclear Medicine 3A	6	p Nuclear Medicine 2 MRTY 2065 (18265), Chnical Education 2B MRTY 2067 (18267). C Clinical Education 3B MRTY 3071 (18371).	1
MRTY 3071	*18371*	Clinical Education 3B	3	P Clinical Education 2B MRTY 2067 (18267). C Nuclear Medicine 3A MRTY 3070 (18370).	1
MRTY 3072	*18372*	Nuclear Medicine 3B	6	P Nuclear Medicine 3A MRTY 3070 (18370). **c** Clinical Education 4B MRTY 3073 (18373).	2
MRTY 3073	*18373*	Clinical Education 4B	3	P Clinical Education 3B MRTY 3071 (18371).	2
Elective studies (see note 4)			Semester 2 credit points: 6.		
or					
RadiationTherapy					
BIOS 3050	*11343*	Oncology B	3	P Oncology A BIOS 2094 (112E7).	1
MRTY 3074	*18374*	Radiation Therapy Physics 3	3	P Radiaton Therapy Physics 2 MRTY 2068 (18268), Introductory Radiation Biology and Protection MRTY 2057 (18257), Radiation Therapy 2 MRTY 2069 (18269). C Image Processing MRTY 3059 (18359).	1
MRTY 3075	*18375*	Radiation Therapy 3A	6	p Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268), Chnical Education 2C MRTY 2070 (18270). C Oncology B BIOS 3050 (11343).	1
MRTY 3076	*18376*	Clinical Education 3C	3	P Radiation Therapy 2 MRTY 2069 (18269) Medical Ethics and Professional issues MRTY 2059 (18259), Clinical Education 2C MRTY 2070 (18270).	1
MRTY 3077	*18377*	Radiation Therapy 3B	6	P Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268). C Clinical Education 4C MRTY 3079 (18379).	2
MRTY 3078	*18378*	Seminars in Radiation Therapy	3	p Radiation Therapy 3A MRTY 3075 (18375).	2
MRTY 3079	*18379*	Clinical Education 4C	3	p Radiation Therapy 3A MRTY 3075 (18375).	2
Elective studies (see note 4)			Semester 2 credit points: 3.		
Stage total for Year 3:			48 credit points		

Honours program

■ Year 4

MRTY 4022	*18431*	Honours Research Seminars	4		1
MRTY 4023	*18432*	Honours Thesis Support A	3		1
MRTY 4024	*18433*	Honours Thesis Support B	4		2
MRTY 4025'	*18434*	Honours Thesis	34		Full year
Elective (see note 6)			Semester 1 credit points: 3.		
Stage total for Year 4:			48 credit points		

Notes to Table 12.1

1. Clinical Education IA Diagnostic Radiography - 1 week block mid year - 2 weeks Dec, -1 hr/wk on campus Intro to Medical Terminology and Intro to Medical Ethics in Semester 2.
   Clinical Education IB Nuclear Medicine - 2 week block mid year and 2 weeks December or January.
   Clinical Education IC Radiation Therapy -2 week block mid year and 2 weeks December.
2. Clinical Education - 2: clinical blocks totalling 12 weeks within clinical centres during semester 2 plus a 2 week on-campus block usually in October.
3. Radiography electives - students choose 2 of the following (3 credit points each):

MRTY 3080 (18380) Seminars in Diagnostic Radiography
MRTY 3081 (18381) Interventional Radiography
MRTY 3082 (18382) Management Skills for Health Professionals
MRTY 3083 (18383) Sports Injury Imaging
MRTY 3084 (18384) Paediatric Radiography (not offered in 2003)
MRTY 3085 (18385) Operating Suite Radiography
MRTY 3086 (18386) Functional Brain Imaging

4. Elective studies - Elective studies may be taken from within or outside the Faculty of Health Sciences, subject to availability, prerequisites and minimum student enrolment. Students must discuss their choice of elective/s with their academic advisor prior to enrolment. Students may choose from the following pool of electives from across the faculty or others (by permission of Head of School):

Radiography - choose 1 elective
Nuclear Medicine - choose 2 electives
Radiation Therapy - choose 1 elective
(i) Physics electives:
BIOS 4046 (114A1) Clinical Physics (not offered in 2003)
MRTY 3087 (18387) Medical Radiation Sciences Physics elective
(ii) MRTY 3088 (18388) Sonography B
(iii) Behavioural Science electives (usual pre-requisites may be waived with approval of unit coordinator):
BACH 1100 (25183) Sociology of Community and Family
BACH 3081 (25379) Sociology of Sport
BACH 3082 (25380) Sociology of the Aged and Aging
BACH 3084 (25382) Alternative Medicine
BACH 3085 (25383) Death and Dying (not offered in 2003)
(iv) Biomedical Science electives:
BIOS 4035 (11489) Sexuality for Health professionals

BIOS 4044 (11498) Embryology
BIOS 4045 (11499) Applied Neurobiology (not offered in 2003)

5. If students have completed Honours preparation in year 3, they do not complete this unit but complete an elective deemed to be relevant to their research at the discretion of the Head of School.
6. Honours elective - students may choose from one of the following electives and may choose to undertake the elective in semester 1 or 2:

BACH 4017 (25416) Epidemiological Research
BACH 4018 (25417) Evaluation Research
BACH 4019 (25418) History and Philosophy of Scientific Methodology
BACH 4043 (25442) Intermediate Statistics
BACH 4044 (25443) Multivariate Statistics
BACH 4045 (25444) Qualitative Research Methods
BACH 4046 (25445) Survey Research Methods

■ Clinical education

It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR) at least two months prior to attending their first clinical placement. Courses on CPR are available throughout the metropolitan and country regions. Students are also required to undergo a criminal records check. Any student who does not receive clearance at criminal records check will not be able to attend clinical placements. Prior to undertaking any clinical placement, students must return a signed copy of the Prohibited Employment Declaration to Student Administration. Failure to do so may jeoprdise any such placement and the fulfillment of course requirements. It is highly likely that all students will be placed in one non-Sydney metropolitan clinical placement during the three years of the clinical program.

Diagnostic Radiography

Clinical Education provides an opportunity for the student to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. To broaden the student's clinical skills a variety of radiology centres will be accessed to enable a wide breadth of experience in procedures, examinations and equipment.

Students will be required to demonstrate their clinical competency in specific contrast media procedures and all skeletal examinations during the three years of the course. Timing of the competencies is linked to the delivery of the theory involved in each competency as part of the academic program. At the conclusion of the course the student will have demonstrated competency at the level required to perform as a beginning practitioner in diagnostic radiography requiring minimal supervision.

During the clinical education program it is essential that students demonstrate an ability to empathise with the patient and understand the necessities for the examination or procedure being performed. Students are expected to interpret images and maintain optimum radiographic quality.

Nuclear Medicine

Clinical Education in year 2(12 weeks) and year 3(10 weeks) provides an opportunity for the student to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in Clinical Education is closely synchronised with the acquisition of the related theory in Nuclear Medicine. Students will be placed in a variety of nuclear medicine centres to give them a breadth of experience of procedures and instrumentation.

By the end of year 2, students will be able to perform simple routine procedures and data acquisition and will be aware of the role of the nuclear medicine technologist as a member of a multi-disciplinary health care team.

By the end of year 3, students will be able to perform complex routine clinical procedures including computer acquisition and analysis, reconstitution and dispensing of radiopharmaceuticals, and quality control in all areas, including planar instrumentation, single photon emission computerised tomography and radiopharmacy. Students will also have observed and assisted with, but not shown competence at various non-routine procedures such as positron emission tomography, radiopharmaceutical cell labelling, in vivo tracer studies and bone mineral densitometry.

Throughout years 2 and 3 the student's competence will be progressively monitored by university supervisors and assessed by authorised clinical assessors from the nuclear medicine centres. By the end of the third year students must demonstrate the clinical competence required to perform as a nuclear medicine technologist with minimum supervision.

Radiation Therapy

Clinical Education in year 1 provides a general introduction to the principles of patient care and to the role of the radiation therapist. It is a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown one month prior to the first clinical placement.

St John Ambulance courses on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Clinical Education in years 2 and 3 provide an opportunity for students to integrate the knowledge acquired in the professional units with the practical skills attained in the workplace. The introduction of new procedures in the Clinical Education units is closely synchronised with the acquisition of the related theory in the on-campus professional units of study.

Students will be placed in a variety of radiation oncology centres to give them a breadth of experience of radiation therapy procedures and equipment.

By the end of year 2, students will be able to perform simple routine treatment, simulation and planning procedures, will form an empathetic relationship with patients, and will be aware of the role of the radiation therapist as a member of a multi-disciplinary health care team.

By the end of year 3, students will be able to perform more complex routine treatment, simulation and planning procedures for a range of electromagnetic and particulate radiations. In addition, students will have observed and assisted with, but not demonstrated competence in performing various non-routine procedures such as stereotactic radiosurgery, intra-operative radiation therapy, brachytherapy and total body irradiation.

Throughout years 2 and 3 the student's competence will be progressively assessed by University supervisors and authorised clinical assessors from the Radiation Oncology centres. By the end of the third year students must demonstrate the clinical competence required to perform as a radiation therapist with minimum supervision.

Clinical education dates - Bachelor of Applied Science (Medical Radiation Sciences)

Diagnostic Radiography, Nuclear Medicine and Radiation Therapy

Year 1
30 June to 8 August (1 or 2 weeks depending on stream)
8 to 19 December (2 weeks) OR
5 to 16 January 2004 (Nuclear Medicine only)
Year 1
11 August to 26 September (7 weeks)
20 October to 5 December (7 weeks including 2 weeks on-campus from 20 to 31 October)
Year3
27 January to 28 February (5 weeks)
30 June to 1 August (5 weeks)

Uniforms

All students during clinical education placements must wear uniforms, identification badges and personal radiation monitors.
Female
The white School polo shirt, purchased from the Student Guild, worn with EITHER

- A navy blue skirt OR
- Navy blue trousers OR
- Navy blue culottes

AND

- If stockings are worn they must be flesh, grey or white coloured
- Closed, flat-heeled leather shoes in black, navy blue or white (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

The length of skirts and culottes should be at least to the top of the knee.

Male

The white School polo shirt, purchased from the Student Guild, worn with navy trousers (not shorts) AND

- Closed shoes in black or brown leather (NO sports shoes unless they are of the appropriate colour, neat and tidy)
- A cardigan, jumper or sleeveless woollen vest in navy blue
- An identification badge and radiation monitor must be worn at all times.

■ Units of study

BACH 1100 Sociology of Community and Family

Old code 25183X. 3 credit points. Dr Ian Hughes. **Semester: 2. Classes:** 2 hours/week. **Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. **Assessment:** Assignments and examination.

NB: Also offered in off-campus mode.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden heaUh crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit. Students will develop alternate scenarios for developing community and examine the various government interventions designed to replace the support that older communities provided for their members.

Textbooks

Manuals with key material and references

BACH 1130 Foundations of Health Sociology

Old code 251A2.3 credit points. **Semester: 2. Assessment:** Class essay 35%, examination 65%.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1131 Foundations of Psychology for the Health Sciences

Old code 251A3.3 credit points. Ms Karen Pepper, Dr Chris Lennings. **Semester: 1. Classes:** On campus, 26 hours (2 hr lecture/week for 13 weeks). **Assessment:** 1000 word essay 50%, 1 hr MCQ examination 50%.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1135 Health, Athtudes and Interaction

Old code 251A7.3 credit points. **Semester: 1. Prerequisite:** Foundations of Psychology for the Health Sciences or Introduction to Health Psychology. **Assessment:** 1000 word assignment (40%), 2 hour short answer/MCQ examination (60%).

This unit of study comprises two modules. Module 1: Social Psychology examines the findings from research into social phenomena such as helping behaviour, aggression, prejudice, and conformity. The unit extends this examination to the application of findings to health care sethngs and practitioners. In Module 2: Disability Studies students will be exposed to an interdisciplinary perspective on the experiences of people with chronic illnesses and disability, as well as community and professional perceptions of disability. Both modules examine the psychology of client-practitioner communication and interaction.

BACH 1136 Clients, Practioners and Organisations

Old code 251A8.3 credit points. Semester: 1. Assessment: 1500 word essay (50%), 1 hour Essay Examination (50%).

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian Health Care System. The unit emphasises: sociology of client/ practitioner relationships; sociology of work and organisations in health care sethngs; theoretical perspectives on the self, the body, illness and identity.

BACH 1140 Analysing Health Research: General

Old code 251B2.3 credit points. Semester: 1. **Assumed** knowledge: Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.

The purpose of this unit is to provide students with background information concerning the analysis of quantitative and qualitative research in health sciences in order to become informed consumers of health research. The unit will provide a brief introduction to approaches to research, major qualitative data analysis techniques, strategies of quantitative inference, principles of descriptive and inferential statistics, and will conclude with a discussion of the structure of research reports and critical literature appraisal.

BACH 1143 Designing Health Research

Old code 251B5.3 credit points. Semester: 2. **Assessment:** 1500 word qualitative data collection exercise (50%), 1500 word quantitative data collection exercise (50%),.

This unit is designed to introduce students to the practicalities of the research process in both qualitative and quantitative aspects. As well as an introduction to submission of an institutional ethics proposal and development of a research questionnaire, concepts of experimental validity, single case research and group experimental research are developed. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Students will elect to develop their skills in a selection of interview, survey, observational and epidemiological research designs, will be introduced as well as concepts of Database and literature review techniques will for the basis of and introduction to issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1144 Analysing Quantitative Health & Social Research

Old code 251B6.3 credit points. **Semester: 1**. **Assumed knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MC Examination (60%).

This unit introduces prospective health science practitioners and researchers to methods for exploring, analysing, understanding and interpreting quantitative data. It aims to provide an understanding of the main ideas of statistics and useful skills for working with data as well as to introduce students to common data analysis tools.

Methods for collecting, exploring and presenting data are discussed from the perspective of the practitioner. Graphical methods and descriptive statistics are emphasised throughout the unit and precede all analysis techniques. The normal and sampling distributions are introduced. The early emphasis in this unit will be placed on explaining; patterns in data, outliers and variability.

Random sampling in the context of randomised comparative experiments precedes an introduction to statistical inference for comparisons and relationships. Methods for parametric and non-parametric inference are introduced for one, two and multiple samples. The unit also introduces students to techniques of epidemiological data analysis and program evaluation.

Students will use data analysis software packages that are in common use in employment sethngs.

The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

BACH 1146 Analysing Qualitative Health & Social Research

Old code 251B8.3 credit points. Semester: 1. Assessment: 2 X 1500 word assignments (50% Each).

This subject introduces students to key elements in the design of qualitative research. The student will acquire skills in recognising research questions and problems which are appropriately investigated using qualitative methods. The unit will present a range of qualitative methodologies including naturalistic observation and in-depth interviews. Students will

develop skills in recording and presenting qualitative data and in the use of analysis techniques suitable for qualitative data.

BACH 2127 **Health Policy and Service Delivery**

Old code 252A2.3 credit points. **Semester:** 2. **Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology. **Assessment:** 1000 word essay 40%, 2 hours exam (essay and short answer questions) 60%.

This unit provides an understanding of key aspects of the relationship between Australian society, health and health service provision. It discusses the development, delivery and evaluation of Australian health and disability policy and services in a global context and across the life span. The importance of a holistic and preventive approach to health policy is stressed and the relationship between service access, equity, quality and cost is discussed.

BACH 2128 **Cognition and Cognitive Impairment**

Old code 252A3.3 credit points. **Semester: 2. Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5). **Assessment:** 1000-1500 word assignment (50%); 90 minute MCQ / short answer examination (50%).

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning, and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities, and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness, and with developmental and learning disabilities.

BACH 3081 **Sociology of Sport**

Old code 25379.3 credit points. Mr Ian Andrews. Semester: 1,2. Classes: On-campus 2 hours/week. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology. Prohibition: Psychosocial Aspect of Recreation and Sport BACH 1102 (25185). Assessment: Assignment/examination.

This unit examines the nature of modern sporting forms and practices, and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age, and disability); ideology, power and politics in sport; the links between sport and 'community '; and the relationship between the mass media and professional sports.

BACH 3082 **Sociology of the Aged and Ageing**

Old code 25380.3 credit points. Dr Rosemary Cant or Dr Zakia Hossain. Semester: 1. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry.

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined. Students will be expected to use these concepts in an analysis of current government interventions.

BACH 3084 **Alternative Medicine**

Old code 25382.3 credit points. Ms Ann Hale. Semester: 2. Classes: 2 hours/week. Prerequisite: Foundation of Health Sociology or Introduction to Health Sociology. Assessment: Final assignment.

This unit draws on cross-cultural examples of indigenous healing practices and contemporary applications of alternative medicine. The unit will provide a historical analysis of how many of these therapies have been assimalated into mainstream medical practice as well as discussing the implications of their independent role within the health care sector.

BACH 4017 **Epidemiological Research**

Old code 25416.3 credit points. Dr Kaye Brock. **Semester: 2. Prerequisite:** Epidemiology HIMT 3032 (09333).

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

BACH 4018 **Evaluation Research**

Old code 25417.3 credit points. Dr Ian Hughes. **Semester: 2. Classes:** Web based.

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

BACH 4019 **History & Philosophy of Scientific Methodology**

Old code 25418.3 credit points. Dr Rod Rothwell. **Semester:** 1. **Classes:** On-campus night course. **Assessment:** 2 assignments 1000 words each.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks

What is this thing called Science? (1994). Chalmers, A. University of Queensland Press.

The Name of Science: Problems and Perspective. (1997). Hung, E. Wadsworth Press •

BACH 4043 **intermediate** Statistics

Old code 25442.3 credit points. Dr Peter Choo. **Semester: 2. Classes:** On campus 3 hours/week. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Method 2 BACH 1118 (2511R) or Health and Research Design BACH 1138 (251B0) or equivalent. **Assessment:** Written assignments and examination.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BACH 4044 **Multivariate Statistics**

Old code 25443.3 credit points. Dr Peter Choo. Semester: 1,2. Prerequisite: Intermediate Statistics BACH 4043 (25442), or equivalent.

This unit examines a variety of multivariate designs and statistical procedures, including factor analysis, discriminant function analysis and analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 4045 **Qualitative Research Methods**

Old code 25444.3 credit points. Dr Cherry Russell. Semester: 1,2. Classes: Wednesdays, 4-7 pm. Assessment: 2 assignments.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people 's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project of their choice throughout the semester.

Practical: 2 hours fieldwork

Textbooks

Course reader.

BACH 4046 **Survey Research Methods**

Old code 25445.3 credit points. Dr Kate O'Loughlin. **Semester:** 2. **Classes:** Mondays, 5-8 pm.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BIOS 1119 **Introductory Radiation Physics 1A**

Old code 111C6.6 credit points. Dr Ian Cathers and Dr Gil Vella. Semester: 1. Classes: On campus 6 hours/week. Assessment: Mid-semester exam 30%, final exam 50%, practical work 20%.

This unit of study examines the structure of matter together with the types of ionising radiation, their interactions with matter, electricity, magnetism, electrical safety, vibrations and waves. In addition, students are provided with a brief review of the necessary fundamental physics and mathematics required for this unit and the subsequent unit, Radiation Physics IB.

Textbooks

Graham. Principles of Radiological Physics. (3rd ed). Churchill Livingstone.

BIOS 1120 Introductory Radiation Physics 1B

Old code 111C7.3 credit points. Dr Gilbert Vella. **Semester:** 2. **Classes:** on campus average of 3 hours/week. **Assessment:** Mid-semester 30%, end of semester 50%, practical work 20%.

This unit of study provides an introduction to basic electronics, ultrasound fundamentals, optics, devices for the detection of ionising radiation, dosimetry of ionising radiation.

Textbooks

Principles of Radiologic Physics. (3rd ed). Graham D.T. Churchill Livingstone.

BIOS 1124 Human Biology and Biochemistry

Old code 111D2.4 credit points. Dr Peter Knight. **Semester: 1. Assumed knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied: the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

Teaching in this unit of study will comprise lectures, general worksheets, practical classes, Web based material to support lectures and discipline specific tutorials and self learning activities.

BIOS 1128 Structure, Function and Disease I

Old code 111D5.4 credit points. Ms Meg Stuart. **Semester: 1. Assumed knowledge:** Human Biology and Biochemistry BIOS 1124 (111D2). **Assessment:** Two mid-semester spot tests (10% and 15%) and end semester exam 75%.

This unit of study will introduce students to the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal and cardiovascular systems will be undertaken, leading to a focus on the important diseases related to these systems and their effects on the body. Material will be presented in lectures and practical sessions. Students will be expected to complete computer based self directed learning packages prior to some practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS 1129 Structure, Function and Disease II

Old code 111D6.4 credit points. Dr Laurette Batmanian. **Semester: 2. Assumed knowledge:** Human Biology and Biochemistry BIOS 1124 (111D2). **Assessment:** Mid-semester exam 30%, end semester exam 70%.

This unit of study begins with a brief introduction to the basic concepts of pharmacology to enable students to understand the actions of drugs on each of the body systems as they are later covered in this unit and Structure, Function and Disease III. The essential principles of infection control in health care practice are presented, and a detailed study of blood and the immune system is undertaken, highlighting their roles in disease prevention and response to trauma. The part played by the immune system in producing disease will also be covered. The normal structure and function of the respiratory and digestive systems will be described, leading to a focus on the important diseases related to these systems and their effects on the body. Material will be presented in lectures, tutorials and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

Damjanov, I (2000) Pathology for the Health-Related Professions, 2nd EdnW.B.Saunders

BIOS 2094 Oncology A

Old code 112E7.3 credit points. Dr Laurette Batmanian. **Semester:** 1. **Classes:** On campus 3 hours/week. **Prerequisite:** Human Biology and Biochemistry BIOS 1124 (111D2), Structure, Function and Disease II BIOS 1129 (111D6). **Assessment:** Written Exam, Group Participation, Case Reports.

This unit of study examines the detailed pathology of malignant tumours of the head and neck, central nervous, endocrine, genito-urinary, reproductive and upper respiratory systems to provide a foundation to understanding the rationale of oncological regimes. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care and critical evaluation of treatment outcomes.

Textbooks

Principles and Practice of Radiation Therapy. Washington, CM. and Leaver, D.T. (1997). Practical Applications, Mosby.

BIOS 2097 Structure, Function and Disease III

Old code 112F2.4 credit points. **Semester:** 1. **Prerequisite:** Human Biology and Biochemistry BIOS 1124 (111D2). **Assessment:** Mid semester exam: 30% End semester spot test: 5% End semester exam: 65%.

This unit of study begins with an overview of the major diseases of the human urinary, reproductive, endocrine and nervous systems and how they relate to the normal organ. The normal structure and function of each organ is included to emphasise the most important aspects of normal anatomy, histology and physiology that are essential to the understanding of the pathophysiology of the disease being studied. The diseases are chosen either because they are common and thus frequently encountered in practice or because they illustrate important principles and thus provide significant insight into the reaction pattern of an injured organ. The bases for the management of these diseases will be examined. Material will be presented in lectures, tutorials and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS 3050 Oncology B

Old code 11343.3 credit points. Dr Laurette Batmanian. **Semester: 1. Classes:** On campus 3hours/ week. **Prerequisite:** Oncology A BIOS 2094 (112E7). **Assessment:** Written exam, group participation, case reports.

This unit studies the detailed pathology of malignant tumours of the breast, musculoskeletal, lower respiratory, lymphatic, haematopoietic, gastrointestional systems, to provide a foundation to understanding the rationale of oncological regimes. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care and critical evaluation of treatment outcomes.

Textbooks

Principles and Practice of Radiation Therapy. Washington, CM. and Leaver, D.T. (1997). Practical Applications, Mosby.

BIOS 4035 Sexuality for Health Professionals

Old code 11489.3 credit points. Dr Patricia Weerakoon. Semester: 1, 2. Prerequisite: Students will be required to be in second year or higher in their professional training. Assessment: Group work assignment, an individual assignment and an on-line mastery type multiple-choice test.

NB: This course is offered on-line. Attendance on campus is required only for the first session in week one of the semester.

This unit will examine the bio-psycho-social aspects of sexuality and health care, and assist health professionals to develop services for clients who have sexual or reproductive concerns. The course unit will provide a learning opportunity for the integration and application of prior learning in the disciplines involved. It will build on an existing knowledge base in the basic sciences and the professional disciplines. In addition the students will be encouraged to examine their athtudes towards a range of sexual behaviours and develop skills in sexual history taking. Sexuality will be explored from a life cycle perspective. Sexual development will be traced from sexual differentiation to old age with consideration of the range of sexual expression at each stage. Students will explore 'normal' and 'dysfunctional' behaviour and available management options. They will be given the opportunity to explore individual interest areas in depth.

Students will also be involved in experiential learning activities including value clarification exercises and off campus experiences. Collaborative learning will be encouraged with on-line group discussions. Enrollment in this unit will be limited to 80 participants.

BIOS 4044 **Embryology**

Old code 11498.3 credit points. Dr Helen Ritchie. **Semester:** 2. **Classes:** Mixed mode. Video lectures of core material, 6 hours on-campus lectures. **Prerequisite:** Biomedical Sciences 2 BIOS 2093 (112E6). **Assessment:** 2 hour end of semester exam.

The unit of study covers the development of the human body from fertilisation to birth. Topics also to be discussed are: infertility, abnormal development, artificial reproductive technologies and fetal surgery.

MRTY 1018 **Introduction to Clinical Education**

Old code 18120.3 credit points. Mr Edward Caruana and Mr John Atyeo. **Semester:** 1. **Classes:** On campus 2hrs/week. **Corequisite:** Radiographic Practice 1A MRTY 1019 (18121) or Radiation Therapy 1A MRTY1027 (18129) or Nuclear Medicine 1A MRTY 1023 (18125). **Assessment:** Formal test/final exam.

This unit of study will introduce the student to the generic aspects of Clinical Education. It includes three modules:

- Introduction to Medical Radiation Sciences modalities
- Basic patient care.
- Introduction to communication skills

MRTY 1019 **Radiographic Practice 1A**

Old code 18121.4 credit points. Mr Edward Caruana and Mr Barrie Egerton. **Semester:** 1. Classes: On campus 2hrs/week. **Corequisite:** Introductory Radiation Physics **1**A BIOS 1119 (1**1**1C6). **Assessment:** Formal test/final exam.

This unit of study will introduce the student to the basic principles of photography and image production in Radiography as well as the theory of x-ray production. The anatomical region of the chest will be used as an elementary application of radiographic techniques.

Textbooks

Radiologic Science for Technologists. Bushong, S.C.

MRTY 1020 **Radiographic Practice 1B**

Old code 18122.5 credit points. Mr Edward Caruana. Semester: 2. Classes: On campus 4hrs/week. Prerequisite: Radiographic Practice 1A MRTY 1019 (18121). Corequisite: Radiographic Physics 1 MRTY 1021 (18123), Structure Function and Disease 2BIOS1129 (111D6). Assessment: Assignment/final exam, practical work.

The aim of this unit of study is to provide students with the knowledge and skills to perform radiographic examinations of chest, upper and lower limbs. The unit builds on technical and theoretical work from Radiographic Practice IA. Introductory radiographic anatomy and pathology is included in the unit

MRTY 1021 **Radiographic Physics 1**

Old code 18123.3 credit points. Dr Don McLean. Semester: 2. Classes: On campus 2 hrs. Prerequisite: Introductory Radiation Physics 1A BIOS 1119 (111C6). Assessment: Practicals/examination.

This unit of study introduces the student to the construction, design, operation, associated radiation protection and quality control of general radiographic equipment.

Practical: 2 hours per week (extra) for 6 weeks

Textbooks

Christensen's Physics of Diagnostic Radiology by Curry, T.S., Dowdey, J.E. & Murry, R.C. Lea & Febiger.

MRTY 1022 **Clinical Education 1A**

Old code 18124.3 credit points. Mr Warren Reed. **Semester: 2. Classes:** On campus/Clinical Centres. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), Radiographic Practice 1A MRTY 1019 (18121), CPR Certificate. **Corequisite:** Radiographic Practice 1B MRTY 1020 (18122). **Assessment:** Continuous assessment/final exam (OSCE).

This unit of study is the first of four units of study in clinical education. It consists of 4 weeks of clinical instruction which introduces the student to the role of the diagnostic radiographer in medical imaging. Emphasis is placed on practice in patient care principles, interpersonal communication skills; and practice in the radiographic examinations of the chest and upper and lower limb. Basic medical terminology, introduction to occupational health and safety and an introduction to medical ethics and legal issues is also included within this unit of study.

Practical: Clinical Centres, 4 weeks

MRTY 1023 **Nuclear Medicine 1A**

Old code 18125.4 credit points. Ms Edwina Adams. Semester: 1. Classes: On campus. Corequisite: Introductory Radiation Physics 1A BIOS 1119 (111C6). Assessment: Essay, class tests, exam.

This unit of study introduces the student to the study and practice of Nuclear Medicine. It aims to develop the student's understanding of the use of radiation, the underlying theory of Nuclear Medicine as well as the elementary applications for Nuclear Medicine studies.

Practical: Nuclear medicine and computer laboratories

MRTY 1024 **Nuclear Medicine 1B**

Old code 18126.5 credit points. Ms Edwina Adams. Semester: 2. Classes: On campus. Prerequisite: Nuclear Medicine 1A MRTY 1023 (18125). Corequisite: Clinical Education 1B MRTY 1026 (18128). Assessment: Reports, assignment, exam.

This unit of study examines the application of radionuclides/ radiopharmaceuticals and imaging procedures to the investigation of the respiratory, skeletal and gastrointestinal systems of the body. It also provides a study of physiological pathways which are fundamental to an understanding of nuclear medicine studies (design and use of radiopharmaceuticals).

Practical: Nuclear medicine and computer laboratories

Textbooks

Essentials of Nuclear Medicine Imaging (4th ed.). Mettler FA. Jr and Guiberteau M. J. (1998).

MRTY 1025 **Nuclear Medicine Physics 1**

Old code 18127.3 credit points. Semester: 2. Prerequisite: Introductory Radiation Physics 1ABIOS 1119(11106).

This unit of study examines instrumentation principles and design in nuclear medicine. It includes methods and measurement of radiation detection, instrumentation componentry and collimation techniques. Applications of the componentry to particular radiation detectors is covered, together with the display of information via recording devices, analogue and digital displays, nuclear medicine computer systems and the quality control of instrumentation.

MRTY 1026 **Clinical Education 1B**

Old code 18128.3 credit points. Mr Peter Kench. **Semester: 2. Classes:** Clinical placements. **Prerequisite:** Introduction to Clinical Education MRTY 1080 (18120). **Assessment:** Workbook, oral test, clinical assessment.

To introduce students to the clinical environment of a Nuclear Medicine department and to the role of the Nuclear Medicine Technologist. This unit provides the student with a structured program of clinical experience.

Practical: Clinical placements

MRTY 1027 **Radiation Therapy 1A**

Old code 18129.4 credit points. Ms Nikki Field. **Semester: 1. Classes:** On-campus 4 hours/week. **Corequisite:** Introductory Radiation Physics 1A BIOS 1**1**19 **(1**11C6). **Assessment:** Essay, exams during semester, final examination.

In this unit of study the student will be introduced to the department of radiation oncology and the role of the radiation therapist in the care and treatment of patients. At the completion of the unit of study, students will be able to undertake clinical education experience with background knowledge of the field and the ability to work safely as part of the radiation therapy team.

Textbooks

1. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
2. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 1028 **Radiation Therapy 1B**

Old code 18130.5 credit points. Ms Nikki Field. **Semester: 2. Classes:** On-campus total 6 hours/week independent study. **Prerequisite:** Radiation Therapy 1A MRTY 1027 (18129). **Corequisite:** Radiation Therapy Physics 1 MRTY 1029 (18131). **Assessment:** Portfolio, practical test x 2.

This unit of study expands the knowledge gained in Radiation Therapy IA, and concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat simple palliative techniques on the linear accelerator and routine superficial therapy techniques. The role of the radiation therapist as a supporter and educator of the patient will also be addressed.

Practical: 2 hours/week.

Textbooks

1. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
2. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 1029 **Radiation Therapy Physics 1**

Old code 18131.3 credit points. MrT Ravichander. Semester: 2. Prerequisite: Introductory Radiation Physics 1A BIOS 1119 (111C6). Assessment: Practical test and exam.

This unit of study will cover the physical principles of the appropriate use of ionising radiation in radiation therapy. A variety of beam generating devises are covered, paying particular attention to their uses in modern radiation therapy. The physical basis of beam calibration and manual dose calculation for fixed and isocentric radiotherapy are introduced.'

Textbooks

1. The Physics of Radiation Therapy. Khan, EM.
2. Radiation Therapy Physics and Equipment, Morris, S.

MRTY 1030 **Clinical Education 1C**

Old code 18132.3 credit points. Ms Danielle Milinkovic. **Semester: 2. Classes:** Off campus, clinical placement in Radiation Oncology Centres. **Prerequisite:** Introduction to Clinical Education MRTY 1018 (18120), CPR Certificate. **Assessment:** CPR certificate, workbook, practical assessment, Clinical Education report.

This is the first of four units of study in which students are placed in radiation oncology centres, primarily in the greater Sydney metropolitan region. The aim of this unit is to provide students with an introduction to clinical radiation oncology.

Practical: 35 hours/week for 4 weeks (ie, 1 week mid-year, 3 weeks in December)

MRTY 2057 **Introductory Radiation Biology and Protection**

Old code 18257.3 credit points. Mr Barrie Egerton and Ms Elisabeth Kilburn-Watt. Semester: 1. Prerequisite: Human Biology and Biochemistry BIOS 1124(111D2) or approved alternative. Assessment: Class test, group reports and final examination.

This unit of study introduces students to the radiobiological effects and safe use of ionising radiation common to all Medical Radiations.

Textbooks

Practical Radiation Protection and Applied Radiobiology (1999). Dowd SBandTilsonER.

MRTY 2058 **Sectional Anatomy**

Old code 18258.3 credit points. Dr Ann Poulos. Semester: 1. Classes: On campus and Independent Study. Prerequisite: Structure, Function and Disease 1 BIOS 1128 (111D5), Structure, Function and Disease 2 BIOS 1129 (111D6). Corequisite: Structure, Function and Disease 3 BIOS 2097 (112F2). Assessment: Mid semester and Final exam.

This unit of study facilitates the ability of the student to identify normal anatomy in sectional images. A framework is created within which organs and structures are identified due to their spatial relationships and appearances as displayed on diagnostic images. Learning will be facilitated through lectures and tutorials.

Textbooks

Anatomy in Diagnostic Imaging, Pleckenstein, P., Tranum-Jensen, J.

MRTY 2059 **Medical Ethics and Professional Issues**

Old code 18259.3 credit points. Dr Simon Cowell. **Semester: 2. Classes:** On campus, Block mode. **Corequisite:** Clinical Education 2A **MRTY** 2063 (18263) or Clinical Education 2B MRTY 2067 (18267) or Clinical Education 2C MRTY 2070 (18270). **Assessment:** Report and take home exam.

This unit of study aims to develop an understanding of professional, ethical and legal issues relating to the health sector with a particular emphasis on the medical radiation sciences. It aims to encourage new graduates to become contributing members of their profession through active involvement in professional organisations, participation in public debate on professional, ethical and legal issues within the health sector and through commitment to the concept of life-long continuing professional development.

Textbooks

Ethical and Legal Issues for Imaging Professionals. Towsley-Cook, D.M. and Young, T.A. (1998)

MRTY 2060 **Radiographic Physics 2**

Old code 18260.4 credit points. Dr Don McLean. Semester: 1. Classes: On campus. Prerequisite: Introductory Radiation Physics 1A BIOS 1119 (111C6). Corequisite: Introductory Radiation Biology and Protection MRTY 2057 (18257). Assessment: Practicals/examination.

This unit of study introduces the student to the construction, design, operation, associated radiation protection and quality control of gereral radiographic and processing quipment. A module in introductory Image Processing will be presented.

Practical: 2 hours per week (extra)

Textbooks

Christensen's Physics of Diagnostic Radiology. Curry, T.S., Dowdey, J.E. & Murry, R.C. Lea & Febiger.

MRTY 2061 **Radiographic Practice 2**

Old code 18261.7 credit points. Mr John Robinson. **Semester:** 1. **Classes:** On campus. **Prerequisite:** Radiographic Practice 1B MRTY 1020 (18122), Clinical Education 1A MRTY 1022 (18124). Assessment: Assignments/Examination.

This unit of study will introduce students to the principles and practice of plain non-contrast radiographic procedures of the appendicular and axial skeleton and will build upon the units Radiographic Practice IA and IB. The unit will provide students with the fundamental knowledge of properties and effects of contrast media, the mechanism of contrast media reactions, the treatment of contrast media reactions and the practice of contrast media procedures of the gastro-intestinal and genito-urinary tracts. The radiographic appearance of relevant osseous and visceral anatomy will be taught in this unit.

Textbooks

Merrill's Adas of Radiographic Positions and Radiologic Procedures, Philip Ballinger

MRTY 2062 **Radiographic Pathology 1**

Old code 18262.3 credit points. Mr Jeremy King. **Semester:** 1. **Classes:** On campus. **Prerequisite:** Radiographic Practice 1B MRTY 1020 (18122). **Corequisite:** Radiographic Practice 2 MRTY 2061 (18261). **Assessment:** Continuous Assessment/Final Exam.

This unit provides an introduction to basic pattern recognition of normal non-contrast radiographic appearance of the pelvic girdle, spine and abdomen. It also introduces students to basic pattern recognition of normal contrast radiographic appearance of the renal, alimentary and hepatobiliary tracts. Case studies of common trauma and pathological conditions of the above regions will be presented.

Textbooks

Radiographic Critique. K.McQuillen-Martensen

MRTY 2063 **Clinical Education 2A**

Old code 18263.21 credit points. Mr Warren Reed. **Semester: 2. Classes:** On campus/Clinical Centre. **Prerequisite:** Clinical Education 1A MRTY 1022 (18124), Radiographic Practice 2 MRTY 2061 (18261). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259). **Assessment:** Continuous assessment/final exam (OSCE).

This is the second of 4 units of study in clinical education and consists of 14 weeks of clinical practice. During this unit of study the student will practice the skills that are basic to the profession of radiography. They will consolidate their learning in the areas of general skeletal radiography, contrast media examinations of the gastrointestinal and genitourinary tract, general paediatric radiography, mobile radiography and operating suite radiography. Students will obtain competencies in these areas.

Practical: Clinical Centres, 14 weeks

MRTY 2064 **Nuclear Medicine Physics 2**

Old code 18264.4 credit points. **Semester: 1. Prerequisite:** Nuclear Medicine Physics 1 MRTY 1025 (18127). **Corequisite:** Introductory Radiation Biology and Protection MRTY 2057 (18257).

This unit of study extends and develops studies in aspects of nuclear medicine technology systems. It gives the student a comprehensive review of gamma camera specifications, quality control, digital cameras, statistical analysis and physical principles of quantitative nuclear medicine and tomography devices. The unit of study concludes with a review of recent developments in instrumentation. A module in introductory Image Processing will be presented.

MRTY 2065 **Nuclear Medicine 2**

Old code 18265.6 credit points. Mr Peter Kench. **Semester:** 1. **Classes:** On campus. **Prerequisite:** Nuclear Medicine 1B MRTY 1024 (18126). **Assessment:** Class test, essay, exam.

This unit of study examines the application of radionuclides and imaging to the investigation of the cardiac, genitourinary, and endocrine (thyroid gland) systems of the body. It also provides a study of physiological pathways which are fundamental to an understanding of the design and use of radiopharmaceuticals.

Practical: Laboratory, Problem centred learning.

Textbooks

Essentials of Nuclear Medicine Imaging (4th ed.). Mether, F.A., Guiberteau, M.J. (1998). W.B. Sanders Co.

M RTY 2066 **Radiopharmacy**

Old code 18266.4 credit points. Ms Elisabeth Kilburn-Watt. **Semester: 1. Classes:** On campus. **Prerequisite:** Human Biology and Biochemistry BIOS 1124 (11 i D2) or approved alternative. **Assessment:** Report, tutorials, final examination.

This unit of study examines the principles of the design, production, and chemical and biological behaviour of radiopharmaceuticals. Students obtain an understanding of and practical experience in the correct preparation, handling, dispensing and quality assurance techniques involved in the use of radiopharmaceuticals used in Nuclear Medicine procedures.

Practical: Radiopharmacy laboratory

Textbooks

Fundamentals of Nuclear Pharmacy. Sana, G.B. (1998).

MRTY 2067 **Clinical Education 2B**

Old code 18267.21 credit points. Mr Peter Kench. **Semester:** 2. **Classes:** Clinical placements. **Prerequisite:** Clinical Education 1B MRTY 1026 (18128). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259). **Assessment:** Case study, assignment, oral test, clinical assessment.

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in Nuclear Medicine procedures. Students will be required to demonstrate a range of acquired skills and applied knowledge in Nuclear Medicine practice sufficient for entry to the Clinical Education 3B program.

Practical: Clinical placements

MRTY 2068 **Radiation Therapy Physics 2**

Old code 18268.4 credit points. MrT Ravichander. Semester: 1. Prerequisite: Radiation Therapy Physics 1 MRTY 1029 (18131). Corequisite: Introductory Radiation Biology and Protection MRTY 2057 (18257). Assessment: 2 Practical tests 1 Practical report 1 Exam.

This is the second of three units which cover the physical principles of the appropriate use of ionising radiation in radiation therapy. This unit of study examines the method and measurement of radiation therapy beams. The physical issues involved in electron radiation therapy treatment are also explored. Manual dose calculations for fixed and isocentric radiation therapy are also addressed. The physics of brachytherapy treatment is introduced. A module in introductory Image Processing will be presented.

Textbooks

The Physics of Radiation Therapy. Khan, F.M.

MRTY 2069 **Radiation Therapy 2**

Old code 18269.7 credit points. Mr John Atyeo. **Semester: 1. Classes:** 7 hrs/week. **Prerequisite:** Radiation Therapy 1B MRTY 1028 (18130). **Corequisite:** Radiation Therapy Physics 2 MRTY 2068 (18268) Oncology A BIOS 2094 (112E7). **Assessment:** Within semester exam, report, final examination.

This unit of study expands the knowledge gained in Radiation Therapy IB, and aims to apply the principles taught in the radiation therapy physics unit of study to clinical radiation therapy. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi-field techniques of the brain, head and neck and pelvic regions. The role of the radiation therapist as a supporter and educator of the patient will continue to be addressed.

Textbooks

1. The Physics of Radiation Therapy. (4th ed). Khan, F.M. (1994). Baltimore: Williams & Wilkins.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 2070 **Clinical Education 2C**

Old code 18270.21 credit points. Ms Danielle Milinkovic & Ms Nikki Field. **Semester: 2. Classes:** Off campus clinical placements. 2 weeks on-campus block usually in October. **Prerequisite:** Clinical Education 1C MRTY 1030 (18132), Radiation Therapy 2 MRTY 2069 (18269). **Corequisite:** Medical Ethics and Professional Issues MRTY 2059 (18259). Assessment: Clinical Education reports x 2, portfolio, on-campus practical assessment.

This is the second of four units of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and developed in the clinical sethng.

Practical: 35 hours/week for 12 weeks during semester 2.

MRTY 3059 **Image Processing**

Old code 18359.3 credit points. Mr Barrie Egerton. **Semester:** 1. **Classes:** Lecture 2 hours/week, practical 1 hr/week. **Prerequisite:** Radiographic Physics 2 MRTY 2060 (18260) or Nuclear Medicine Physics 2 MRTY 2064 (18264) or Radiation Therapy Physics 2 MRTY 2068 (18268). **Assessment:** Test 1 hour (30%) - Week 7, Exam 2 hours (70%)-Week 15/16.

A study of the fundamentals, concepts and applications of processing of medical images in digital form using computer based systems.

Textbooks

1. The Image Processing Handbook (2000) John C Russ.
2. Handbook of Medical Imaging - Processing and Analysis (2000) Isaac NBankman

MRTY 3060 **Medical Radiations Project**

Old code 18360.3 credit points. Dr Simon Cowell. **Semester:** 2. **Classes:** On campus. **Prerequisite:** Radiographic Practice 3 MRTY 3063 (18363) or Nuclear Medicine 3A MRTY 3070 (18370) or Radiation Therapy3A MRTY 3075 (18375). **Assessment:** Project proposal, submission of project.

This unit of study follows on from the module in Radiation Therapy 3 A, Nuclear Medicine 3 A and Radiographic Practice 3, where a research topic was chosen and a preliminary research proposal was written. The unit of study provides students with the opportunity to extend their interests by undertaking an investigative project in their chosen area of medical radiation science. The project will develop the student's ability to work independently with minimum supervision and introduces the student to the place of research in the medical radiation professions.

MRTY 3061 **Integrated Diagnosis and Treatment**

Old code 18361.3 credit points. Mr John Robinson, Ms Elisabeth Kilburn-Watt & Mr John Atyeo. **Semester: 2. Classes:** 2 hours/week, lectures, group led discussion forums. **Prerequisite:** Radiographic Practice 2 MRTY 2061 (18261) or Nuclear Medicine 2 MRTY 2065 (18265) or Radiation Therapy 2 MRTY 2069 (18269). **Assessment:** Group email reports, examination.

This unit of study will enable the student to gain an understanding of the interrelationship of imaging and treatment paradigms for selected regions of the body and disease processes. A selection of pathology related to the following regions will be chosen; central nervous system, gastro-intestinal tract, genito-urinary tract, respiratory tract, skeletal system, breast and thyroid.

MRTY 3062 **Radiographic Physics 3A**

Old code 18362.3 credit points. Dr Don McLean. **Semester: 1 .Classes:** 2 hours per week on campus. **Prerequisite:** Radiographic Physics 2 MRTY 2060 (18260), Radiographic Practice 2 MRTY 2061 (18261). **Corequisite:** Image Processing MRTY 3059 (18359). **Assessment:** Practicals/examinations.

Upon completion of this unit the student will have been introduced to the principles of NMR. A range of digital and non digital radiographic specialist equipment will be exmainedin terms of operational principles, quality assurance and radiation does implications.

Practical: + 2 hours per week

Textbooks

1. Christensen's Physics of Diagnositic Radiology. Curry, T.S., Dowdey, J.E, & Murrary, R.C. Lea & Febiger
2. The MRI Manual. Lufkin, R.B. Year Book Medical Publishers

MRTY 3063 **Radiographic Practice 3**

Old code 18363.3 credit points. Mr Warren Reed. Semester: 1. Prerequisite: Radiographic Practice 2 MRTY 2061 (18261). Corequisite: Clinical Education 3A MRTY 3066 (18366). Assessment: Examination and portfolio assessment.

This unit of study will build upon the regions taught in Radiographic Practice IA, IB & 2 by expanding on the radiography required for traumatised, paediatric or geriatric patients. The unit incorporates specialised procedures such as contrast examinations, CT, Angiography and MRI, as used in the diagnosis of the patient's disease process or extent of injury. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project MRTY 3060 (18360) in semester 2.

MRTY 3064 **Sonography A**

Old code 18364.3 credit points. Semester: 1.

This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound, in particular in the abdomen and in obstetrics and gynaecology.

MRTY 3065 **Radiographic Pathology 2**

Old code 18365.3 credit points. Mr John Robinson. Semester: 1. Classes: On campus. Corequisite: Radiographic Practice 3 MRTY 3063 (18363). Assessment: Final and mid semester exam.

This unit of study will introduce the student to the radiographic manifestations of disease processes such as neoplasms, abnormalities of the respiratory and central nervous system, emergency trauma radiology and congenital disorders, malformations and diseases in the paediatric patient.

MRTY 3066 **Clinical Education 3A**

Old code 18366.3 credit points. Mr Warren Reed. Semester: 1. Prerequisite: Clinical Education 2A MRTY 2063 (18263), Radiographic Practice 2 MRTY 2061 (18261). Corequisite: Radiographic Practice 3 MRTY 3063 (18363). Assessment: Reflective Journal, Experience Report, Supervisor/Departmental assessment.

This unit of study comprises 5 weeks of clinical practicum prior to the commencement of semester 1. This block is designed to allow the students to broaden their exposure to specialised examinations and modalities. Particular emphasis is placed on the modification and adaptation of techniques to accommodate the special limitations encountered in severely traumatised and debilitated patients. Development of lifelong learning and professional skills are encouraged.

Practical: Clinical Centres

MRTY 3067 **Radiographic Physics 3B**

Old code 18367.3 credit points. Dr Don McLean. **Semester: 2. Classes:** On campus. **Prerequisite:** Radiographic Physics 2 MRTY 2060 (18260), Radiographic Practice 3 MRTY 3063 (18363). **Assessment:** Practicals/ examinations.

Upon completion the student will have been introduced to a range of digital radiographic equipment and principles including those designed for special procedures and MRI. Quality assurance and radiation protection principles and practice have been extended.

Practical: + 2 hours per week for 6 weeks

Textbooks

Christensen's Physics of Diagnostic Radiology by Curry, T.S., Dowdey, J.E, & Murrary, R.C. Lea & Febiger.

MRTY 3068 **Clinical Education 4A**

Old code 18368.3 credit points. Mr Warren Reed. Semester: 2. Prerequisite: Clinical Education 3A MRTY 3066 (18366) Radiographic Practice 3 MRTY 3063 (18363). Assessment: Reflective Journal, Experience Report, Departmental assessment plus OSCE.

This unit of study comprises of 5 weeks of clinical practicum. This clinical practicum allows for completion of any outstanding clinical compentencies. This block is also designed to allow students to broaden their exposure to specialised examinations and modalities. Particular emphasis is placed on the modification and adaptation of techniques to accommodate the special limitations encountered in severely traumatised and debilitated patients. Development of lifelong learning and professional skills are encouraged. On completion of this unit of study students should be competent in the understanding, knowledge and skills underpinning radiographic procedures as defined by the profession for a 'beginning practitioner'.

Practical: Clinical Centres

MRTY 3069 **Nuclear Medicine Physics 3**

Old code 18369.3 credit points. **Semester: 1. Prerequisite:** Nuclear Medicine Physics 2 MRTY 2064 (18264), Introductory Radiation Biology and Protection MRTY 2057 (18257). **Corequisite:** Image Processing MRTY 3059 (18359).

This unit of study provides advanced understanding of various aspects of nuclear medicine technology systems. It gives the student a comprehensive review of gamma camera specifications, quality control, positron emission tomography (PET) devices and magnetic resonance imaging. The unit of study concludes with a review of recent developments in instrumentation.

MRTY 3070 **Nuclear Medicine 3A**

Old code 18370.6 credit points. Dr Simon Cowell. **Semester: 1. Classes:** On campus. **Prerequisite:** Nuclear Medicine 2 MRTY 2065 (18265), Clinical Education 2B MRTY 2067 (18267). **Corequisite:** Clinical Education 3B MRTY 3071 (18371). **Assessment:** Class tests, assignments, exam.

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the endocrine system of the body. The nuclear medicine procedures of infection and tumour localisation, therapy and paediatrics. The unit of study will introduce methods for planning research. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project (MRTY 3060) in semester 2.

Practical: Web based learning, hot laboratory

MRTY 3071 **Clinical Education 3B**

Old code 18371.3 credit points. Mr Peter Kench. Semester: 1. Classes: Clinical placements. Prerequisite: Clinical Education 2B MRTY 2067 (18267). Corequisite: Nuclear Medicine 3A MRTY 3070 (18370). Assessment: Case study, assignment, oral test, clinical assessment.

This unit of study provides the student with a structured program of clinical experience. The program aims to develop the student's skills and applied knowledge to attain a level of proficiency adequate for entry to the Nuclear Medicine profession.

Practical: Clinical placements

MRTY 3072 **Nuclear Medicine 3B**

Old code 18372.6 credit points. Dr Simon Cowell. **Semester:** 2. **Classes:** On campus. **Prerequisite:** Nuclear Medicine 3A MRTY 3070 (18370). **Corequisite:** Clinical Education 4B MRTY 3073 (18373). **Assessment:** Research project, exam.

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the neurological system and positron emission tomography, nuclear medicine image interpretation, in vivo and tracer applications and bone minecal densitometry. Recent advances in Nuclear Medicine techniques will also be examined. It also provides a study of physiological pathways that are fundamental to an understanding of design and use of radiopharmaceuticals.

Practical: Web based learning, hot laboratory

MRTY 3073 **Clinical Education 4B**

Old code 18373.3 credit points. Mr Peter Kench. Semester: 2. Classes: Clinical Placements. Prerequisite: Clinical Education 3B MRTY 3071 (18371). Assessment: Case study, manual, clinical assessments.

This unit of study provides the student with a structured program of clinical experience. The program aims to develop the student's skills and applied knowledge to attain a level of proficiency adequate for entry to the Nuclear Medicine profession.

Practical: Clinical placements

MRTY 3074 **Radiation Therapy Physics 3**

Old code 18374.3 credit points. MrT Ravichander. **Semester: 1. Classes:** 2 hours/weeks. **Prerequisite:** Radiaton Therapy Physics 2 MRTY 2068 (18268), Introductory Radiation Biology and Protection MRTY 2057 (18257), Radiation Therapy 2 MRTY 2069 (18269). **Corequisite:** Image Processing MRTY 3059 (18359). **Assessment:** Presentation and final examination.

This is the third of three units, which cover the physical principle of the appropriate use of ionising radiation therapy. This subject aims to make students aweare of developing areas in radiation therapy and less common radiation therapy treatment modalities.

Textbooks

1. Physics of Radiation Therapy. Khan, F.M. (1989). Williams & Wilkins
2. Levitt & Tapley's Technological Basis of Radiation Therapy. Levine, S., Khan, F., Potish, R., (eds.). (1992). Lea & Febiger
3. The Physics of Radiotherapy X-rays from Linear Accelerators. Metcalfe, P., Kron, T. & Hoban, P. Medical Physics Publishing

MRTY 3075 **Radiation Therapy 3A**

Old code 18375.6 credit points. Ms Danielle Milinkovic. Semester: 1. Classes: Independent research, group discussion forums, practicals. 6 hours/week. Prerequisite: Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268), Clinical Education 2C MRTY 2070 (18270). Corequisite: Oncology B BIOS 3050 (11343). Assessment: Module report, class test, project proposal, examination.

This unit of study applies the knowledge gained in the year 2 radiation therapy and physics units, to more complex routine radiation therapy procedures.. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi field techniques of the thorax, breast and lymphatic regions. Advances in radiation therapy planning will be addressed. A. separate module will include the selection of a research topic to be articulated with Medical Radiations Project (MRTY 3060) in semester 2.

Practical: 3 hours/week equivalent

Textbooks

1. The Physics of Radiation Therapy (4th ed). Khan, F.M. (1994). Baltimore: Williams & Wilkins.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 3076 Clinical Education 3C

Old code 18376.3 credit points. Ms Danielle Milinkovic & Ms Nikki Field. **Semester:** 1. **Classes:** Off-campus clinical placements. **Prerequisite:** Radiation Therapy 2 MRTY 2069 (18269) Medical Ethics and Professional issues MRTY 2059 (18259), Clinical Education 2C MRTY 2070 (18270). **Assessment:** Clinical Education Report, Portfolio, On-campus practical assessment.

This is the third of four units of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and further developed in the clinical sethng.

Practical: 35 hours/week for 5 weeks in January/February

MRTY 3077 Radiation Therapy 3B

Old code 18377.6 credit points. Ms Danielle Milinkovic. **Semester:** 2. **Classes:** Independent research, group discussion forums, practicals. 6 hours/week. **Prerequisite:** Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268). **Corequisite:** Clinical Education 4C MRTY 3079 (18379). **Assessment:** Module report, class test, examination.

This unit of study applies the knowledge gained in the year 2 radiation therapy and physics units, to more complex routine radiation therapy procedures. It will concentrate on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat routine multi field techniques of the thorax, breast and lymphatic regions. Advances in radiation therapy planning will be addressed. A separate module will include the selection of a research topic to be articulated with Medical Radiations Project (MRTY 3060) in semester 2.

Practical: 3 hours/week equivalent.

Textbooks

1. The Physics of Radiation Therapy (4th ed). Khan, F.M. (1994). Baltimore: Williams & Wilkins.
2. Principles and Practice of Radiation Therapy: Vol 1, Introduction to radiation therapy. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
3. Principles and Practice of Radiation Therapy: Physics, simulation and treatment. Washington, C. and Leaver, D. (1996). St. Louis: Mosby
4. Principles and Practice of Radiation Therapy: Practical applications. Washington, C. and Leaver, D. (1996). St. Louis: Mosby

MRTY 3078 Seminars in Radiation Therapy

Old code 18378.3 credit points. Mr John Atyeo. Semester: 2. Classes: 2 hours/week. Prerequisite: Radiation Therapy 3A MRTY 3075 (18375). Assessment: Participation, presentation, report and final exam.

This unit of study gives students the opportunity to investigate specialised and non-routine radiation therapy procedures. Topic areas may include radiation therapy treatment, simulation, planning, physics, dosimetry, innovative treatment techniques and patient support. Core topics will be set by lecturing staff, and students may suggest topics of special interest to themselves.

Textbooks

Library resources

MRTY 3079 Clinical Education 4C

Old code 18379.3 credit points. Ms Danielle Milinkovic & Ms Nikki Field. **Semester:** 2. **Classes:** Off-campus clinical placements. **Prerequisite:** Radiation Therapy 3A MRTY 3075 (18375). **Assessment:** Clinical Education report, portfolio, On-campus practical assessment.

This is the final unit of study where students are placed in clinical radiation oncology centres, primarily in the greater Sydney metropolitan region. This unit aims to provide students with a structured program where the knowledge, skills and attributes to practice as a radiation therapist are applied to and further developed in the clinical sethng.

Practical: 35 hours/week for 5 weeks in June/July

MRTY 3080 Seminars in Diagnostic Radiography

Old code 18380.3 credit points. Dr Ann Poulos. Semester: 2. Classes: On campus. Assessment: Written assignments.

This unit of study aims to encourage discussion of issues relating to diagnostic radiography as a profession. Critical thinking and reflection will be facilitated through the reading of relevant literature, seminar presentation and discussion. Topics will range from the development of the role of the radiographer and models of practice to the wider issues of the context of diagnostic radiography within the history of medical science. Topical issues of concern to the profession will also be discussed. There will be limitations on enrolment in this elective to ensure small group discussion.

MRTY 3081 Interventional Radiography

Old code 18381.3 credit points. Mr Warren Reed. Semester: 2. Assessment: Field report and essay.

This unit of study investigates interventional radiography. Interventional radiography is the branch of medicine in which disease is treated nonoperatively. Interventional procedures include angioplasty, embolisation, gastrostomy, percutaneous nephrostomy vena cava filters and drainage of collections.

Students will investigate the role of the radiographer in interventional procedures as well as gain an appreciation of interventional equipment.

MRTY 3082 Management Skills for Hlth Professionals

Old code 18382.3 credit points. **Semester:** 2.

NB: Not offered in 2003

The unit of study provides students with a fundamental understanding of quality improvement processes in the health care system. This unit of study includes both technical aspects of quality control and assurance and staff/customer satisfaction appraisal.

MRTY 3083 Sports Injury Imaging

Old code 18383.3 credit points. Mr Jeremy King. Semester: 2. Classes: On campus. Assessment: Project submission.

This unit of study will require the student to investigate how general radiographic techniques are used as a diagnostic tool for common sport injuries. The student will investigate a range of common sport injuries and investigate various treatment schemes for the various injuries. The student will investigate the role of diagnostic radiography in these schema.

MRTY 3084 Paediatric Radiography

Old code 18384.3 credit points. **Semester:** 2.

NB: Not offered in 2003

In this unit of study students will acquire theory and clinical applications in the area of special paediatric procedures. Imaging protocols and identification of related anatomy and pathology will be emphasised. Normal skeletal maturation will be outlined.

MRTY 3085 Operating Suite Radiography

Old code 18385.3 credit points. Mr Edward Caruana. **Semester: 2. Classes:** Students will attend an allocated operating suite for this unit. **Assessment:** 1) Experience Report including an in-depth submission of one case using at least one Journal Artricle, 2) One hour written exam or 15 minute practical exam.

NB: If any session is missed then it must be made up in the students time.

Students will extend their professional development in the area of operating suite examinations through both theoretical and clinical instruction. Areas will include surgical procedures such as orthopaedics, gastro-intestinal, cardiac, and vascular imaging.

MRTY 3086 Functional Brain Imaging

Old code 18386.3 credit points. Mr John Robinson. Semester: 2. Classes: Lectures/tutorials. Assessment: Assignments.

This unit of study will provide the student with an overview to the imaging techniques associated with imaging the various sensory, motor and cognitive centres of the brain.

MRTY 3087 Medical Radiation Sci Physics Elective*

Old code 18387.3 credit points. Dr Alastair Davison, Mr Barrie Egerton (Physics Coordinator), Dr Don McLean and MrThuraisamy Ravichander. **Semester:** 2. **Classes:** Lecture/tutorial 2 hours/week. **Prerequisite:** Radiation Physics 3 MRTY 3062 (18362) or Nuclear Medicine Physics 3 MRTY 3069 (18369) or Radiation Therapy Physics 3 MRTY 3074 (18374). **Assessment:** 1) Oral presentation and preliminary written review (30%) - Week 6 2) Final presentation (70%) - Week 13.

NB: Subject to availability

A study of the current technological applications of physics-based procedures to medical radiation science.

MRTY 3088 Sonography B

Old code 18388.3 credit points. Semester: 2.

This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound in particular as related to small parts and cardiovascular systems.

MRTY 4022 Honours Research Seminars

Old code 18431.4 credit points. Dr Ann Poulos. **Semester:** 1. Classes: On-Campus.

This unit of study facilitates discussion of issues relating to research in medical radiation sciences. Students are encouraged to develop an understanding of the nature of the knowledge and methodology they are using in their research through reading of relevant literature, seminar presentations and discussion.

MRTY 4023 Honours Thesis Support A*

Old code 18432.3 credit points. Dr Simon Coweil. Semester: 1.
This unit of study assists the student to identify the research possibilities in the professional area of medical radiation sciences. Students will further develop their ability to critically analyse journal articles, reflecting on their own proficiency in scientific writing and communication. At the completion of the unit students will have compiled a literature review and research proposal in preparation for the final honours thesis submission.

- Students who have completed the Honours strand in year 3 of the degree program do not complete this unit but complete an elective deemed to be relevant to their research at the discretion of the Head of School.

MRTY 4024 Honours Thesis Support B

Old code 18433.4 credit points. Dr Ann Poulos. Semester: 2.
This unit of study aims to support the written presentation of the thesis. Technical support will be offered with writing skills and the coherence and structure of the thesis. Oral presentation skills are also emphasised.

MRTY 4025 Honours Thesis

Old code 18434.34 credit points. Dr Ann Poulos. Semester: Full year.
This unit provides the Honours student with the opportunity to undertake a supervised research study in an area of medical radiation sciences. As part of this and other Honours units, each student will design and implement an approved research study and submit a thesis describing the study and its implications. While completing the research and thesis, each student will work closely with their supervisor.

13 School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences currently offers three undergraduate degree programs: Bachelor of Applied Science (Occupational Therapy), Bachelor of Applied Science (Leisure and Health) and Bachelor of Health Science (Occupational Therapy) conversion course. The School also provides a number of postgraduate programs.

The School of Occupation and Leisure Sciences was known as the School of Occupational Therapy until 1998 and was a foundation school of Cumberland College of Health Sciences when it was established in 1973. Prior to that year, the education of occupational therapists in NSW was the responsibility of the NSW Association of Occupational Therapists. The first training program commenced in 1941.

One of the first undertakings of the School was to raise the level of the occupational therapy course from diploma to degree in line with other occupational therapy courses in Australia. The Bachelor of Applied Science (Occupational Therapy) was introduced in 1976 with an Honours option becoming available from 1991. The school was instrumental in sethng up a Diploma in Occupational Therapy in Singapore in 1991 and in 1996 the Bachelor of Health Science (Occupational Therapy) was developed to enable diplomates to convert to a degree.

In 1985, the School introduced the Associate Diploma in Diversional Therapy, the first formal education for diversional therapists in Australia. Prior to 1985, the Australian Red Cross and the Diversional Therapy Association provided training and education.

In recognition of the need for a higher level of education for diversional therapists and other leisure service practitioners, the level of the course was raised to the Bachelor of Applied Science (Diversional Therapy) in 1995. To reflect the diversity of graduates' career opportunities, the name Bachelor of Applied Science (Diversional Therapy) was changed to Bachelor of Applied Science (Leisure and Health) in 1997. An Honours program was also introduced at this time. A course offered through a flexible delivery mode was introduced in 1999.

The School has developed a range of postgraduate study options. Programs include PhD level studies, a research Master's degree and an articulated coursework program which culminates in a Master's degree. The graduate program includes Graduate Certificates which focus on specialty areas of practice in occupational therapy.

The School introduced the two year Master of Occupational Therapy in 1998. This program is an alternative professional pathway for people holding degrees in other areas of study and an alternative to the undergraduate occupational therapy degree. This professional Master's degree is the first of its kind in the southern hemisphere.

Further information about the School's programs may be obtained from the School on (02) 9351 9386.

■ Bachelor of Applied Science (Leisure and Health)

Leisure is often overlooked when prioritising the importance of activities in our everyday lives. Work tends to take precedence and leisure is often taken for granted. However, it is a vital component of our lives. It plays a very significant role in maintaining and enhancing good health and wellbeing and the prevention of ill health and personal distress. Leisure is also vital for the health of the community and society. It is the fabric that binds our social, cultural, familial and interpersonal relationships and is also vital for our physical, emotional, social, cognitive and spiritual well being. Enjoyment, freedom, self-esteem, and a positive self-identity are just some of the outcomes that we experience from our engagement in leisure.

There are many people in our society with few opportunities for leisure, often as a result of social exclusion. Many people find it difficult or impossible to independently access leisure opportunities because our communities tend to provide only for those who are fit, healthy, young, financially secure and mobile.

Students of the Bachelor of Applied Science (Leisure and Health) course receive the specific knowledge and skills to both provide services that meet the needs of people who experience barriers to leisure and to facilitate people's involvement by providing the support they need. Examples of people who may require such specialist services and support include: people with a disability; or who have acquired traumatic injury; youth who are at risk of self-harm, homelessness, substance addiction or crime; active or frail older people; people with a mental health condition; and children and adolescents generally. The course has been designed to create pathways for students who wish to specialise in children's services, disability services, aged care services or community recreation.

Graduates work in a variety of roles in different sethngs, and under a range of different professional titles. Sethngs include: rehabilitation units; psychiatric hospitals; community mental health services; community sport and recreation services; day centres residential services for older people; disability sport and recreation services; local councils; children's hospitals; youth and community centres; outdoor recreation programs; OOSH and vacation care; camps; and many others.

Thirteen weeks of Professional Practice is spread over the three years of the program. Professional Practice is divided into four blocks and students are encouraged to select a program that gives them experience working with different client groups in a range of centres. A typical program of placement could include experiences with aged people in a hostel, young people with disabilities, program coordination in a government department, a camp for children with arthritis and working with people with a mental illness.

Admission requirements (full-time mode)

There are no specific prerequisites to the Bachelor of Applied Science (Leisure and Health) course. The general admission requirements in chapter 3 apply. However prospective students would benefit from undertaking Chemistry, or Biology at HSC level.

Admission requirements (off-campus/flexible mode)

Admission to this course is available to those applicants who are of mature age and who have at least one year's work experience in a related field. Applicants are required to fill in an application form available from Cumberland Campus Student Administration Services.

Course outlines

The course outlines for the Bachelor of Applied Science (Leisure and Health) are presented in Table 13.1 and Table 13.2.

Honours program

For information specific to the Leisure and Health Honours Program students are advised to contact the Honours Course Coordinator. Students commence the Honours Program in second semester of third year and complete an additional year in which a research project is undertaken and a thesis written. See Table 13.1.1 and Table 13.2.1 for course outlines.

Off-campus

For information specific to the Leisure and Health off-campus flexible mode see Table 13.3.

Table 13.1: Bachelor of Applied Science (Leisure and Health) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1531: Pass course; full-time, 3 years					
■ Year 3 (last offered in 2003)					
BACH 3059	*25357/ 25357X*	Research Methods II	2	p Research Methods 1 BACH2115 (25291/25291x).	1
BACH 3061	*25359/ 25359X*	Psychology II	4		2
BACH 3117	*253D7*	Sociology of the Aged and Ageing	3	p Introduction to Health Sociology BACH 1098 (25181).	2
BIOS 3042	*11397/ 11397X*	Biological Sciences IIIA	2		1
BIOS 3043	*11398/ 11398X*	Biological Sciences IIIB	2		2
OCCP 3050	*15393/ 15393X*	Professional Communication and Guidance	3		1
OCCP 3051	*15394/ 15394X*	Outdoor Recreation and Education	3	A Communication skills, Basic counselling skills.	1,2
OCCP 3052	*15395*	Research Project in Leisure and Health	4	*NB: This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.*	2
OCCP 3053	*15396/ 15396X*	Client Groups II	3		2
OCCP 3054	*15397*	Professional Practice III: Mastery & Research	22		Full year
Stage total for Year 3:			48 credit points		

Table 13.1.1: Bachelor of Applied Science (Leisure and Health) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1533: Honours program; full-time, 4 year					
■ Year 3 (last offered in 2003)					
BACH 1118	*2511R*	Research Methods II: Data Analysis & Statistics	3		2
BACH 3061	*25359/ 25359X*	Psychology II	4		2
BACH 3117	*253D7*	Sociology of the Aged and Ageing	3	p Introduction to Health Sociology BACH 1098 (25181).	2
BIOS 3042	*11397/ 11397X*	Biological Sciences IIIA	2		1
BIOS 3043	*11398/ 11398X*	Biological Sciences IIIB	2		2
OCCP 3029	*15378*	Honours Research Seminar I	3		2
OCCP 3050	*15393/ 15393X*	Professional Communication and Guidance	3		1
OCCP 3051	*15394/ 15394X*	Outdoor Recreation and Education	3	A Communication skills, Basic counselling skills.	1,2
OCCP 3053	*15396/ 15396X*	Client Groups II	3		2
OCCP 3054	*15397*	Professional Practice III: Mastery & Research	22		Full year
Stage total for Year 3:			48 credit points		
■ Year 4 (last offered in 2004)					
OCCP 4019	*15442*	Honours Research Seminar II	4		Full year
OCCP 4043	*154A8*	Honours Thesis	41		Full year
Research elective Honours students, in consultation with their supervisor, elect to take the Research Elective in either year 3 or year 4.			Semester 1 credit points: 3.		
Stage total for Year 4:			48 credit points		

Table 13.2: Bachelor of Applied Science (Leisure and Health) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1554: Pass course; full-time, 3 years					
■ Year 1					
BACH 1133	*251A5*	Introduction to Health Psychology	6		1
BACH 1139	*251B1*	Health and Research Design: General	3		2
BACH 2126	*252A1*	Maladaptive Behaviours & Behaviour Change	4	A Foundations of Psychology for the Health Sciences BACH 1131 (251A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent.	2
BACH 2128	*252A3*	Cognition and Cognitive Impairment	3	A Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5).	2

Table 13.2: Bachelor of Applied Science (Leisure and Health) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 1126	*111D3/ 111D3X*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	2
OCCP 1053	*15154/ 15154X*	Australian Healthcare Services	4	*NB: Advanced standing (OC only).*	1
OCCP 1054	*15155/ 15155X*	Leisure in Australia	4		1
OCCP 1055	*15156/ 15156X*	Introduction to Leisure and Health	4		1
OCCP 1057	*15158/ 15158X*	Creative Arts in Recreation	4	*NB: Advanced standing (OC only).*	1 (off-campus), 2 (on-campus)
OCCP 1079'	*15171*	Programming for Children and Adolescents	3	N OCCP 2060.	2
OCCP 2060'	*152B8/ 152B8X*	Diversional Therapy & the Aging Population	3	N OCCP 1079.	2(on-campus & off-campus)
OCCP 1080	*15172*	Professional Practice I: Communication	6	*NB: Advanced standing (OC only).*	1
OCCP 2053	*152BU 152B1X*	Contemporary Issues in Healthcare	3		1 (off-campus), 2 (on-campus)
Stage total for Year 1:			48 credit points		

■ Note

1. Students choose either OCCP 1079 or OCCP 2060.

■ Year 2 (first offered in 2003)

BACH 1134	*251A6*	Health, Illness and Social Inquiry	6		1
BACH 1141	*251B3*	Analysing Health Research: General	3	A Basic mathematics.	2
BIOS 2095	*112F0/ 112F0X*	Body Functions	4		1 (on-campus), 2 (off-campus)
BIOS 2096	*112F1/ 112F1X*	Body Functions and Disease	4	A Body Functions BIOS 2095 (112F0). *NB: This unit will also, be available in distance mode for off-campus students and possibly repeating students.*	1,2
OCCP 1056	*15157/ 15157X*	Management and Leadership	4		1 (off-campus), 2 (on-campus)
OCCP 2058	*152B6/ 152B6X*	Social Psychology of Leisure and Play	3		1
OCCP 2059	*152B7/ 152B7X*	Learning Processes and Leisure Education	3		1
OCCP 2062	*152C0/ 152C0X*	Program Design and Evaluation	4		1 (off-campus), 2 (on-campus)
OCCP 2073	*152C4*	Client Groups I	6		2
OCCP 2074	*152C5*	Prof. Practice II: Skill Development	11	*NB: Advanced standing (OC only).*	Full year
Stage total for Year 2:			48 credit points		

■ Year 3 (first offered in 2004)

BACH 1137	*251A9*	Clients, Practitioners and Organisations	3		2
BIOS 3054	*113A7*	Contemporary Issues in Biomedical Sciences	4		2
OCCP 3050	*15393/ 15393X*	Professional Communication and Guidance	3		1
OCCP 3052	*15395*	Research Project in Leisure and Health	4	*NB: This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.*	2
OCCP 3059	*153A4*	Outdoor Recreation and Education	4	*NB: First offered in 2004.*	2
OCCP 3060	*153A5*	Client Groups II	4		2
OCCP 3063	*153A8*	Professional Practice III: Mastery and Research	20	*NB: First offered in 2004.*	Full year
Electives			Semester 2 credit points: 6.		
Students are required to complete two 3 credit points electives from the School of Behavioural and Community Health Sciences.					
Stage total for Year 3:			48 credit points		

Table 13.2.1: Bachelor of Applied Science (Leisure and Health) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1555: Honours program; full-time, 4 years					
■ **Years 1 and 2**					
As per Pass course					
■ **Year 3 (first offered in 2004)**					
BACH 1137	*251A9*	Clients, Practitioners and Organisations	3		2
BACH 4047	*25446/ 25446X*	Developing a Research Project	4	*NB: Also available in off-campus mode.*	1,2
BIOS 3054	*113A7*	Contemporary Issues in Biomedical Sciences	4		2
OCCP 3029	*15378*	Honours Research Seminar I	3		2
OCCP 3050	*15393/ 15393X*	Professional Communication and Guidance	3		1
OCCP 3059	*153A4*	Outdoor Recreation and Education	4	*NB: First offered in 2004.*	2
OCCP 3060	*153A5*	Client Groups **II**	4		2
OCCP 3063	*153A8*	Professional Practice DJ: Mastery and Research	20	*NB: First offered in 2004.*	Full year
Elective			Semester 2 credit points: 3.		
Students are required to complete elective from the School of Behavioural and Community Health Sciences.					
Stage total for Year 3:			48 credit points		
■ **Year 4 (first offered in 2005)**					
OCCP 4019	*15442*	Honours Research Seminar II	4		Full year
OCCP 4043	*154A8*	Honours Thesis	41		Full year
Research elective			Semester 1 credit points: 3.		
Honours students, in consultation with their supervisor, elect to take the Research Elective in either year 3 or year 4.					
Stage total for Year 4:			48 credit points		

Table 13.3: Bachelor of Applied Science (Leisure and Health) off-campus mode

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1541: Off-campus/flexible mode. Pass course; part-time, 6 years					
■ **Year 1**					
BACH 1098	*25181X*	introduction to Health Sociology	5	N Higher Level units of Sociology.	2 (off-campus)
BIOS 1126	*111D3/ 111D3X*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	2
OCCP 1054	*15155/ 15155X*	Leisure in Australia	4		1
OCCP 1055	*15156/ 15156X*	Introduction to Leisure and Health	4		1
OCCP 1057	*15158/ 15158X*	Creative Arts in Recreation	4	*NB: Advanced standing (OC only).*	1 (off-campus), 2 (on-campus)
OCCP 1058	*15159X*	Programming for Children and Adolescents	4		2
Stage total for Year 1:			25 credit points		
■ **Year 2**					
BACH 1099	*25182X*	Psychology I	5		1 (off-campus)
BACH 1100	*25183X*	Sociology of Community and Family	3	*P* Foundations ofHealth Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. *NB: Also offered in off-campus mode.*	2
BIOS 2095	*112F0/ 112F0X*	Body Functions	4		1 (on-campus), 2 (off-campus)
OCCP 1053	*15154/ 15154X*	Australian Healthcare Services	4	*NB: Advanced standing (OC only).*	1
OCCP 1056	*15157/ 15157X*	Management and Leadership	4		1 (off-campus), 2 (on-campus)
OCCP 1080	*15172*	Professional Practice I: Communication	6	*NB: Advanced standing (OC only).*	1
Stage total for Year 2:			23 credit points		
■ **Year 3**					
BACH 2113	*25289/ 25289X*	Psychology of Disability I	4		1

Table 13.3: Bachelor of Applied Science (Leisure and Health) off-campus mode (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BACH 2114	25290/ *25290X*	Psychology of Disability II	4		2
BACH 2115	25297/ *25291X*	Research Methods I	3		2
OCCP 2059	*152B7/ 152B7X*	Learning Processes and Leisure Education	3		1
OCCP 2060	*152B8/ 152B8X*	Diversional Therapy & the Aging Population	3	N OCCP 1079.	2(on-campus & off-campus)
OCCP 2062	*152C0/ 152C0X*	Program Design and Evaluation	4		"l (off-campus), 2 (on-campus)
Stage total for Year 3:			21 credit points		
■ **Year 4**					
BACH 1031	*251IKX*	Clients, Practitioners and Organisations	3	P Introduction to Health Sociology BACH 1098 (25181X).	2
BIOS 2096	*112F1/ 112F1X*	Body Functions and Disease	4	A Body Functions BIOS 2095 (112F0). *NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.*	1.2
OCCP 2053	*152B1/ 152B1X*	Contemporary Issues in Healthcare	3		1 (off-campus), 2 (on-campus)
OCCP 2058	*152B6/ 152B6X*	Social Psychology of Leisure and Play	3		1
OCCP 2061	*152B9*	Client Groups I	4		2
OCCP 2074	*152C5*	Prof. Practice II: Skill Development	**11**	*NB: Advanced standing (OC only).*	Full year
Stage total for Year 4:			**27** credit points		
■ **Year 5 (first offered in 2003)**					
BACH 3059	*25357/ 25357X*	Research Methods II	2	p ResearchMethodslBACH2115(25291/25291x).	1
OCCP 3054	*15397*	Professional Practice III: Mastery & Research	22		Full year
OCCP 3050	*15393/ 15393X*	Professional Communication and Guidance	3		1
OCCP 3051	*15394/ 15394X*	Outdoor Recreation and Education	3	A Communication skills, Basic counselling skills.	1.2
OCCP 3053	i539o7 *15396X*	Client Groups II	3		2
Elective (see note 2)			Semester 2 credit points: 3.		
Stage total for Year 5:			**25** credit points		
B Year 6 (first offered in 2004)					
BIOS 3042	*11397/ 11397X*	Biological Sciences IHA	2		1
BIOS. 3043	*11398/ U398X*	Biological Sciences IIIB	2		2
OCCP 3045	*15399X*	Professional Practice III	11		Full year
OCCP 3052	*15395*	Research Project in Leisure and Health	4	*NB: This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.*	2
Elective (see note 2)			Semester 1 credit points: 4.		
Stage total for Year 6:			**23** credit points		

Note

1. Students are required to complete electives from the School of Behavioural and Community Health Sciences.

■ Bachelor of Applied Science (Occupational Therapy)

Occupational Therapy involves a study of human occupations in the areas of self-care, productivity, leisure, and rest and the management of the adaptive behaviour required to perform occupational roles or activities. This study of human occupations entails analysis of activities or occupations and knowledge of the cognitive, sensory-motor, biomechanical, and psychosocial processes required to perform activities or occupations. The practice of occupational therapy applies knowledge of occupations and human processes to help people develop adaptive behaviours so that they may manage and interact with their environment.

Occupational therapists work with people whose occupational performance has been threatened or impaired by developmental deficits, the ageing process, physical injury or illness, and psychological or social disability. Occupational therapists work in health care and community sethngs, educational facilities, work environments and as private practitioners.

Admission requirements

There are no specific admission requirements to the Bachelor of Applied Science (Occupational Therapy). The general admission requirements in chapter 3 apply. However prospective students may benefit from undertaking Chemistry at HSC level.

Course outlines

The course outlines for the Bachelor of Applied Science (Occupational Therapy) are presented in Table 13.4 and Table 13.5.

Honours program

For information specific to the Occupational Therapy Honours program students are advised to contact the Honours Course

Coordinator. Entry is based on academic performance in years one and two of the pass course.

The Occupational Therapy Honours program includes the first five semesters of the Pass program followed by three semesters when the student is specifically enrolled in the Honours Program. See Table 13.4. land Table 13.5.1 for course outlines.

In order for honours students to have adequate time to pursue their research studies a number of modifications including internal exemptions, timetabling flexibility and Professional Practice TV flexibility are offered. Students undertake Professional Practice IV at a suitable time in relation to then-research studies and in consultation with their supervisor and the Professional Practice IV unit Manager.

Table 13.4: Bachelor of Applied Science (Occupational Therapy) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1542: Pass course; full-time, 4 years					
Year 3 (last offered in 2003)					
BACH 3094	*25392*	Health Policy and Service Delivery	3	P Introduction to Health Sociology BACH 1029 (251II).	
EXSS 3019	*22319*	Applied Physiology			
OCCP 3030	*15379*	Human Occupations III			
OCCP 3032	*15381*	Occupational Therapy Theory & Process IE			
OCCP 3055	*153A0*	Occupations & Roles Across the Lifespan ffl			
OCCP 3057	*153A2*	Components of Occupational Performance III			
OCCP 3061	*153A6*	Professional Practice IHA	12	P Professional Practice II OCCP 2078 (152C9).	
OCCP 3062	*153A7*	Professional Practice mB	13	P Professional Practice II OCCP 2078 (152C9).	Full year
Electives			Semester 2 credit points: 8.		
Pass students choose units of study to the value of 12 credit points during the first three years of the course. The units of study are chosen from outside the Occupational Therapy undergraduate course.					
Stage total for Year 3:			49 credit points		
Year 4 (last offered in 2004)					
OCCP 4051	*154B4*	Professional Practice IV	24	P Professional Practice OCCP 3061 (153A6) HIA and IIIB OCCP 3062 (153A7).	
Students choose three professional electives of 8 credit points each from the following twelve (availability of electives may vary from year to year).					
OCCP 4055	*154B8*	Adolescent and Family Mental Health	8		
OCCP 4056	*154B9*	OT for Children with Learnning & Coord Difficulties	8		
OCCP 4057	*154C0*	Upper Limb/Hand Therapy	8		
OCCP 4058	*154C1*	Advanced Communication & Management	8		
OCCP 4061	*154C4*	Culture and Communication	8		
OCCP 4062	*154C5*	Community Based Rehabilitation	8		
OCCP 4063	*154C6*	Evaluation of OT Programs	8		
OCCP 4064	*154C7*	Peer Assisted Learning & Adolescent Role Development	8	P Completion of PAL tutoring.	1
OCCP 4065	*154C8*	Supporting families and Protecting Children	8		
OCCP 4066	*154C9*	The Use of Creative Arts in Occupational Therapy	8		
OCCP 4067	*154D0*	Assessing Cognitive Impairments in Adults & Children	8		
OCCP	*154D1*	OT in Occupational Health,	8	P Human Occupations IH OCCP 3030 (15379).	1
Stage total for Year 4:			48 credit points		

Table 13.4.1: Bachelor of Applied Science (Occupational Therapy) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1543: Honours program; full-time, 4 years					
Year 3 (last offered in 2003)					
BACH 3094	*25392*	Health Policy and Service Delivery	3	P Introduction to Health Sociology BACH 1029 (25111).	
EXSS 3019	*22319*	Applied Physiology			
OCCP 3029	*15378*	Honours Research Seminar I			

Table 13.4.1: Bachelor of Applied Science (Occupational Therapy) Honours (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
OCCP 3030	*15379*	Human Occupations III	2		2
OCCP 3032	*15381*	Occupational Therapy Theory & Process in	3		2
OCCP 3055	*153A0*	Occupations & Roles Across the Lifespan in	2		2
OCCP 3057	*153A2*	Components of Occupational Performance III	3		2
OCCP 3061	*153A6*	Professional Practice UIA	12	p Professional Practice U OCCP 2078 (152C9).	1
OCCP 3062	*153A7*	Professional Practice HIB	13	P Professional Practice II OCCP 2078 (152C9).	Full year
Elective			Semester 2 credit points: 2		
Honours students choose units of study to the value of 6 credit points during the first three years of the course. The units of study are chosen from outside the Occupational Therapy undergraduate course.					
Research elective			Semester 2 credit points: 3		
Honours students, in consultation with their supervisor, elect to take one Research elctive only in either year 3 or year 4.					
Stage total for Year 3:			49 credit points		
■ Year 4					
OCCP 4019	*15442*	Honours Research Seminar II	4		Full year
OCCP 4052	*154B5*	Professional Practice IV (Hons)	24	P Professional Practice IIIA OCCP 3061 (153A6) and mB OCCP 3062 (153A7).	Full year
OCCP 4054	*154B7*	Honours Thesis	20		Full year
Stage total for Year 4:			48 credit points		

Table 13.5: Bachelor of Applied Science (Occupational Therapy) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1556: Pass course; full-time, 4 years					
■ Year 1					
BACH 1129	*251A1*	Foundations of Health Sociology	3		1
BACH 1131	*251A3*	Foundations of Psychology for the Health Sciences	3		1
BIOS 1124	*1UD2*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	1
BIOS 1132	*111D9*	Neuroscience I	3		2
BIOS 1136	*111E3*	Functional Anatomy A	4		2
OCCP 1036	*15137*	Human Occupations IB	3		2
OCCP 1081	*15173*	Human Occupations IA	3		1
OCCP 1082	*15174*	Occupational Therapy Theory & Process I	5		1
OCCP 1083	*15175*	Occupations & Roles Across the Lifespan I	5		2
OCCP 1084	*15176*	Professional Practice I	4		Full year
OCCP 1091	*15177*	Components of Occupational Performance IA	3		1
OCCP 1092	*15178*	Components of Occupational Performance IB	5		2
Electives (see note 1)			Semester 2 credit points: 3.		
Stage total for Y e a r 1 :			48 credit points		
■ Year 2 (first offered in 2003)					
BACH 1142	*251B4*	Designing Health Research	3		1
BACH 1145	*251B7*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	2
BACH 2127	*252A2*	Health Policy and Service Delivery	3	P Foundations of Health Sociology or Introduction to Health Sociology.	2
BACH 2128	*252A3*	Cognition and Cognitive Impairment	3	A Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5).	2
BIOS 1127	*111D4*	Body Systems I	3	A Human Biology and Biochemistry BIOS 1124(111D2).	2
BIOS 1138	*111E5*	Functional Anatomy B	3	A Functional Anatomy A BIOS 1136 (111E3).	1
BIOS 1140	*111E7*	Neuroscience II	3		1
EXSS 2015	22275	Kinesiology for Occupational Therapy	3		2

Table 13.5: Bachelor of Applied Science (Occupational Therapy) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
OCCP 2041	*15297*	Human Occupations IIA	3		1
OCCP 2042	*15298*	Human Occupations HB	3	A Child development.	2
OCCP 2044	*152A1*	Components of Occupational Performance HB	3		2
OCCP 2075	*152C6*	Components of Occupational Performance HA	4		1
OCCP 2076	*152C7*	Occupational Therapy Theory and Process II	4		1
OCCP 2077	*152C8*	Occupations & Roles Acrss the Lifespan II	3		1
OCCP 2078	*152C9*	Professional Practice II	4	p Professional Practice I OCCP 1084 (15176).	Full year
Stage total for Year 2:			**48** credit points		

■ **Year 3 (first offered in 2004)**

BACH 1147	*251B9*	Analysing Qualitative Health & Social Research	3		2
BACH 2126	*252A1*	Maladaptive Behaviours & Behaviour Change	4	A Foundations of Psychology for the Health Sciences BACH 1131 (251 A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent.	2
EXSS 3019	*22319*	Applied Physiology	3		2
OCCP 3032	*15381*	Occupational Therapy Theory & Process III	3		2
OCCP 3061	*153A6*	Professional Practice HIA	12	P Professional Practice II OCCP 2078 (152C9).	1
OCCP 3064	*153A9*	Human Occupations III	3		2
OCCP 3065	*153A1*	Professional Practice IIIB	12	p Professional Practice II OCCP 2071 (152C2).	1
OCCP 3066	*153B1*	Components of Occupational Performance III	5		2
Electives (see note 1)			Semester 2 credit points: 3.		
Stage total for Year 3:			48 credit points		

■ **Year 4 (first offered in 2005)**

Professional electives Semester 1 credit points: 24.

Students choose three professional electives of 8 credit points each.

OCCP 4051	*154B4*	Professional Practice IV	24	p Professional Practice OCCP 3061 (153A6) IIIA and IIIB OCCP 3062 (153A7).	2
Stage total for Year 4:			48 credit points		

■ **Note**

1. Pass students choose units of study to the value of 6 credit points during the first three years of the course. Honours students choose 3 credit points. The units of study are chosen from outside the Occupational Therapy undergraduate course.

Table 13.5.1: Bachelor of Applied Science (Occupational Therapy) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1557: Honours program, full-time; 4 years					

■ **Years 1 and 2**

As per Pass course

■ **Year 3 (first offered in 2004)**

BACH 2126	*252A1*	Maladaptive Behaviours & Behaviour Change	4	A Foundations of Psychology for the Health Sciences BACH 1131 (251 A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent.	2
EXSS 3019	*22319*	Applied Physiology	3		2
OCCP 3029	*15378*	Honours Research Seminar I	3		2
OCCP 3032	*15381*	Occupational Therapy Theory & Process III	3		2
OCCP 3061	*153A6*	Professional Practice HIA	12	P Professional Practice II OCCP 2078 (152C9).	1
OCCP 3064	*153A9*	Human Occupations III	3		2
OCCP 3065	*153A1*	Professional Practice HB	12	P Professional Practice II OCCP 2071 (152C2).	1
OCCP 3066	*153B1*	Components of Occupational Performance IH	5		2
Research elective			Semester 2 credit points: 3		
Honours students, in consultation with their supervisor, elect to take one Research elective only in either Year 3 or 4.					
Stage total for Year 3:			48 credit points		

Table 13.5.1: Bachelor of Applied Science (Occupational Therapy) Honours (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
■ **Year 4 (first offered in 2005)**					
OCCP 4019	*15442*	Honours Research Seminar II	4		Full year
OCCP 4052	*154B5*	Professional Practice IV (Hons)	24	P Professional Practice IHA OCCP 3061 (153A6) and HIB OCCP 3062 (153A7).	Full year
OCCP 4054	*154B7*	Honours Thesis	20		Full year
Stage total for Year 4:			48 credit points		

■ Professional practices

Professional Practice is an integral part of the occupational therapy and leisure and health programs offered by the School of Occupation and Leisure Sciences. Fieldwork education may consist of block placements and other guided learning experiences. These experiences provide students with an opportunity to practice skills and take responsibility commensurate with their background knowledge and level of development, acquired during the course. Fieldwork block placements are periods of two to ten weeks where students attend a sethng five days a week full time for approximately 37.5 hours per week. The placements occur during semester time and during recess periods, at all levels of the courses and are located in both metropolitan, country facilities and in some cases overseas facilities.

Leisure and Health professional practice

Professional Practice I - A one week block placement in the inter-semester recess, plus Clinical Practicums spread over Semesters 1 and 2.

Professional Practice II - A three week block placement in the inter-semester recess and a 35 hour weekend camp, scheduled at various times during the year. Comprises 26 hours of Clinical Practicums Semester 1 plus a 3 hour review session Semester 2.

Professional Practice III - During first semester, third year students undertake a nine week field placement. This may be completed in one block at a single facility or broken into two blocks at two different facilities. Students are able to make choices concerning the venue/s of this placement. This placement aims to integrate all subjects studied into practical experience and students are expected to work independently with supervision from placement advisors and the university supervisor. Students utilise learning contracts and have input into the assessment for this subject.

Professional practice dates

Year!
23-27 June (1 week)
Year 2
30 June-18 July (3 weeks)
Year 3
24 March - 18 April (4 weeks)
28 April - 30 May (5 weeks)

Occupational Therapy professional practice/fieldwork education

Professional Practice I - Lectures, tutorials and a two week block placement (or equivalent) during the inter-semester recess. Placements may also occur at different times of the year, subject to availability.

Professional Practice II - Lectures, tutorials and a three week block placement (or equivalent) during the inter-semester recess. Placements may also occur at different times of the year, subject to availability.

Professional Practice IIIA and IIIB - Lectures, tutorials/ workshops, one six week (IIIA) and one seven week (HIB) block placement during semester one. Placements may also occur at different times of the year, subject to availability. Students are required to attend university before and after placements for professional practice classes.

Professional Practice IV - Lectures, tutorials and an eight week block placement during semester two. Students are required to attend university before and after placement and complete appropriate assessments while on placement and on campus.

Professional practice/fieldwork education dates

Year 1
30 June - 11 July (other dates to be confirmed)
Year2
14 July - 1 August (other dates to be confirmed)
Year3
3A: 3 March-11 April
3B: 5 May-20 June
Year 4
Pass course: 11 August-3 October
Honours program: 3 November - 12 December

Uniforms

Students in the occupational therapy course may need to obtain uniforms to be worn while undertaking hospital placements where uniforms are required. Not all fieldwork sites require students to wear uniforms. Polo shirts, with the University crest and course name, can be obtained through the relevant student associations. A Faculty name badge is required to be worn at all times during fieldwork placements by both occupational therapy and leisure and health students. These badges can be obtained from the Students' Union.

Leisure and Health students
Women
Lemon Shirtmaker blouse
Navy blue skirt or culotte
Navy blue cardigan or jumper
Navy blue, closed shoes.
Men
Lemon Shirtmaker shirt
Navy blue trousers
Navy blue cardigan or jumper
Black shoes.

Occupational Therapy students
Women
Short sleeved white blouse
Navy blue culotte skirt or navy blue trousers
Navy blue cardigan or jumper
Navy, black or white, closed shoes.
Men
White short sleeves shirt
Navy blue trousers
Navy blue cardigan or jumper
Black or brown shoes.

■ Leisure and Health units of study

BACH 1031 Clients, Practitioners and Organisations

Old code 2511KX. 3 credit points. Dr Zakia Hossain. Semester: 2. Classes: 13 Lectures, 13 Seminars. Prerequisite: Introduction to Health Sociology BACH 1098 (25181X). Assessment: 1500 word essay (50%), 1 hour Essay Examination (50%).

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian Health Care System. The unit emphasises: sociology of client/ practitioner relationships; sociology of work and organisations in health care sethngs; theoretical perspectives on the self, the body, illness and identity.

Reading book

BACH 1098 Introduction to Health Sociology

Old code 25181X. 5 credit points. Mr Ian Andrews. Semester: 2 (off-campus). Classes: Off campus. Prohibition: Higher Level units of Sociology. Assessment: Assessments and examination.

This unit provides an understanding of basic sociological concepts and theories and their application in analysing health in

Australia and develops the ability to critically examine and evaluate aspects of society which are often taken for granted in order to extend the students understanding of the social structures, institutions and processes relevant to health in Australia. The unit also provides opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data. By focusing on social literacy, students will develop a sociological imagination.
Textbooks
Selected readings (reader)

BACH 1099 Psychology I

Old code 25182X. 5 credit points. Ms Karen Pepper. **Semester:** 1 (off-campus). **Classes:** Off campus. **Assessment:** Seminar presentation or essay, and written examination.
This unit of study provides an introduction to areas of psychology relevant to health professionals. Major topic areas include consciousness and perception, intelligence, principles of learning, motivation and emotion, personality, developmental psychology, social psychology, and health psychology.
Textbooks
Pathways to Psychology. (2nd ed). Sternberg, R.J. (2000).

BACH 1100 Sociology of Community and Family

Old code 25183X. 3 credit points. Dr Ian Hughes. Semester: 2. Classes: 2 hours/week. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. Assessment: Assignments and examination.
NB: Also offered in off-campus mode.
This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit. Students will develop alternate scenarios for developing community and examine the various government interventions designed to replace the support that older communities provided for their members.
Textbooks
Manuals with key material and references

BACH 1118 Research Methods II: Data Analysis & Statistics

Old code 2511R. 3 credit points. **Semester:** 2. **Classes:** Flexible learning.
This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.
Textbooks
The Basic Practice of Statistics. (2nd ed). David, S.

BACH 1133 Introduction to Health Psychology

Old code 251A5.6 credit points. **Semester:** 1. **Assessment:** Reports and examination.
Health psychology is a specialist area in psychology which explores the relationship between physical and psychological health, and athtudes, behaviours and individual differences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of consciousness, perception, and learning. These key psychological principles are then applied to psychological changes through the life cycle, psychological methodology, health psychology, individual differences, the psychology of groups and organisations, and psychological problems and their treatment.

BACH 1134 Health, Illness and Social Inquiry

Old code 251A6.6 credit points. Semester: 1. Assessment: Strand One - Class Essay (17.5%) and Examination (32.5%) Strand Two - In-Class Activities (10%), Written Assignment (10%), and Examination (30%).
This unit is comprised of two complementary 3 credit point strands: 1) 'Foundations of Health Sociology' and 2) 'Applied Sociology: Health Inequalities'. The first strand provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. This strand will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in AustraUan society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare. The second strand provides students with opportunities to apply their sociological knowledge in practice. Students will use two computer software packages - HealfhWIZ and MapWIZ - to research sources of health and population data, and to analyse this data using sociological concepts and theories.

BACH 1139 Health and Research Design: General

Old code 251B1.3 credit points. **Semester:** 2. **Assessment:** Mid semester class test and examination.
The unit is designed to introduce students to the process of qualitative and quantitative research. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Various interview, survey, observational and epidemiological research designs will be introduced as well as concepts of experimental validity, single case research and group experimental research. Issues of reliability, validity, evidence-based practice and applied research designs will also be covered.

BACH 1141 Analysing Health Research: General

Old code 251B3.3 credit points. **Semester:** 2. **Assumed knowledge:** Basic mathematics. **Assessment:** Tutorial exercise 40%, 2 hours multiple choice exam 60%.
The purpose of this unit is to provide students with background information concerning the analysis of quantitative and qualitative research in health sciences in order to become informed consumers of health research. The unit will provide a brief introduction to approaches to research, major qualitative data analysis techniques, strategies of quantitative inference, principles of descriptive and inferential statistics, and will conclude with a discussion of the structure of research reports and critical literature appraisal.

BACH 2113 Psychology of Disability I

Old code 25289/25289X. 4 credit points. Semester: 1.
This unit consists of *2* strands. The first strand introduces students to definitions and classifications of disabilities, community athtudes towards disability, causes of negative athtudes and strategies for changing these, adjustment to disability and issues related to living with a disability. Particular emphasis is given to physical disabilities. The second strand examines behaviour disorders and management, and the application of behavioural techniques to a variety of situations. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, anxiety and depression. An overview of the classification of abnormal behaviour precedes a description of the behavioural management of these conditions.

BACH 2114 Psychology of Disability II

Old code 25290/25290X. 4 credit points. Ms Karen Pepper. **Semester:** 2. **Classes:** On campus 4 hours/week, Off campus. **Assessment:** Essay, assignment, and written exam.
This unit of study consists of 2 strands. The first strand focuses on development disabilities. Topics will include causes and charateristics, institutionalisation and normalisation, development through the life span, effects on families and community athtudes. The second strand covers principles of cognitive function and information processing related to neurological disorders and cognitive rehabilitation.

BACH 2115 Research Methods I

Old code 25291/25291X. 3 credit points. Ms Karen Pepper. **Semester:** 2. **Classes:** On campus 3 hours/week, Off campus. **Assessment:** Assignments and written examination.
This unit of study introduces students to the conduct of research. The following topics will be covered: characteristics of research

in the allied health professions; scientific method and the philosophy of science; qualitative and quantitative research; the development of research questions; research ethics; the formulation of hypotheses and specification of variables; conceptualization and operationalization; sampling issues and techniques; basic issues in research design such as longitudinal and cross-sectional designs, validity and reliability; research designs including experiments, single case design, surveys, interview studies, observation, secondary data analysis and content analysis; the quantification of data; and special research applications in the health sciences such as evaluation research, epidemiology, action research and needs assessment.

BACH 2126 **Maladaptive Behaviours & Behaviour Change**

Old code 252A1.4 credit points. **Semester: 2. Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251 A3), or Introduction to Health Psychology BACH 1133 (251A5), or equivalent. **Assessment:** Class presentation (problem and treatment): 25%, Behaviour Change Exercise: 25%, Essay/Short answer/ MC Exam (2 Hours): 50%.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. The social implication of the use of psychological labels is discussed alongside the need for accurate and non-stigmatising language when discussing mental illness. Students will be presented with an overview of current etiological theories and best-practice treatment approaches for a range of common psychological conditions with reference to controlled treatment outcome studies. This unit also explores the cognitive-behavioural approach to the management of maladaptive behaviour and psychological dysfunction based upon the application of learning principles. The unit examines the theory and application of behavioural management strategies in a variety of clinical sethngs and contrasts these with competing models of psychological therapy.

BACH 2128 **Cognition and Cognitive Impairment**

Old code 252A3.3 credit points. **Semester:** 2. **Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5). **Assessment:** 1000-1500 word assignment (50%); 90 minute MCQ/ short answer examination (50%).

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning, arid decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities, and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness, and with developmental and learning disabilities.

BACH 3059 **Research Methods II**

Old code 25357/25357X. 2 credit points. Ms Karen Pepper. Semester: 1. Classes: On campus 18 hours in block mode. Prerequisite: Research Methods 1 BACH 2115 (25291/25291x). Assessment: Poster or report.

This unit of study will consist of two components. The first component will cover descriptive statistics including measures of central tendency and variability, frequency distributions, visual representations of data, cross-tabulations and correlation. In the second component students will conduct a literature review and a class research exercise based on their fieldwork experience. Students will prepare a report on the research exercise.

Textbooks

Introduction to Research in the Health Sciences. (1995). Polgar, S. and Thomas, S.A.

BACH 3061 **Psychology II**

Old code 25359/25359X. 4 credit points. Dr Steve Cumming. Semester: 2. Classes: 1 hour/weeks 1-5,2 hours/weeks 6-13.

This of study consists of two units. The first focuses on the psychology of ageing. The behaviour of older people is examined in the light of psychological theories concerning intellectual, sensory, motor, emotional and social development. Particular attention is given to memory, speed, motivational changes and the consequences of neurological diseases. Common false beliefs about the behaviour of older people are discussed. The importance of social and generational factors in determining individual behaviours is emphasised. The second unit covers topics in social psychology. These topics include behaviour in groups, athtudes and stereotyping, social interaction, conformity and leadership.

Textbooks

Adult Development and Aging. Hoyslip, B & Penek, P. New York: Harper Collins

BACH 3117 **Sociology of the Aged and Ageing**

Old code 253D7.3 credit points. Dr Rosemary Cant. Semester: 2. Prerequisite: Introduction to Health Sociology BACH 1098 (25181).

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well-being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined.

BIOS 1126 **Human Biology and Biochemistry**

Old code 111D3/111D3X. 4 credit points. Dr Peter Knight. **Semester: 2. Assumed knowledge:** Basic Chemistry. **Assessment:** Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied:

the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

BIOS 2095 **Body Functions**

Old code 112F0/112F0X. 4 credit points. Dr Patricia Weerakoon. **Semester:** 1 (on-campus), 2 (off-campus). **Assessment:** MCQ and SAQ 40% End Semester exam 60%.

This unit of study will provide the students with an integrated understanding of the structure and function of the human body. The content will be based on the concept of homeostasis in health and disease. This will be developed in terms of 'body systems'. The unit will build upon material in BIOS 1126 and will provide a knowledge base for further studies in Biomedical Sciences.

The learning methodology will include; on-line modules with embedded formative assessments, complemented by lectures and tutorials. Collaborative learning will be encouraged with the provision of on-line discussion forums and email. Profession-specific work sheets will allow students to understand the application of biomedical principles to their personal context.

Textbooks

Hole's Essentials of Human Anatomy and Physiology, 8th Edition. Shier, D., Butler, J and Lewis, R. (2000). McGraw-Hill Higher Education.

BIOS 2096 **Body Functions and Disease**

Old code 112F1/112F1X. 4 credit points. Dr Elizabeth Hegedus. **Semester:** 1,2. **Assumed knowledge:** Body Functions BIOS 2095 (112F0). **Assessment:** Self-evaluation tasks - CD ROM and Web, Mid Semester exam 40% (MCQ and SAQ) and End Semester exam 60% (MCQ and SAQ).

NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.

This unit continues from BIOS 2095 and builds the students' understanding of disease processes and the associated medical terminology. This will include:

- An introduction to mechanisms of disease and basic pathophysiology
- Study of the blood and immune systems and associated disorders, followed by a discussion of cross infection and principles of infection control
- Disorders and principles of disease management, including an introduction to basic pharmocology in the following body systems: cardiovascular, respiratory, gastrointestinal, endocrine, reproductive, renal, nervous and musculoskeletal systems.

Student learning will be facilitated with lectures and profession-based tutorials, together with CD ROM and Web based material.

Textbooks

Mulvihill, ML, Zelmah, M, Holdaway, P, Tompary, E, Turchany, J. (2001) Human Diseases: A systemic approach, 5th Edition, Prentice-Hall, New Jersey.

BIOS 3042 **Biological Sciences IMA**

Old code 11397/11397X. 2 credit points. Dr Ron Balnave. Semester: 1. This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

BIOS 3043 **Biological Sciences 1MB**

Old code 11398/1139BX. 2 credit points. Dr Ron Balnave. Semester: 2. This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

OCCP 1053 **Australian Healthcare Services**

Old code 15154/15154X. 4 credit points. Ms Jo Ragen. **Semester: 1. Classes:** On campus 3 hours/week. **Assessment:** Assignment, examination.

NB: Advanced standing (OC only)

This unit of study provides students with an overview of the function and structure of the healthcare system in Australia. Topics studied include: healthcare issues at Commonwealth, State and Local government levels; structures and roles of key service groups; funding arrangements; current trends in the provision of healthcare services; healthcare insurance; and healthcare facilities.

OCCP **1054 Leisure in Australia**

Old code 15155/15155X. 4 credit points. Dr Norm Kelk. **Semester: 1. Classes:** On campus 3 hours/week, Off campus. **Assessment:** Assignment, examination.

This unit of study provides an historical and sociological understanding of the evolution of leisure in Australia. Students will consider the influences of Aboriginal and European culture on contemporary Australian culture and leisure and how politics, gender, ethnicity and morality influence the way leisure in experienced today. The unit introduces the principles involved in understanding the various concepts, theories and disciplinary perspectives involved in the study of leisure and more specific principles involved in the study of leisure and health.

OCCP **1055 Introduction to Leisure and Health**

Old code 15156/15156X. 4 credit points. Dr Norm Kelk. **Semester: 1. Classes:** On campus 3 hours/week, Off campus. **Assessment:** Assignments.

This unit of study introduces students to models of practice within leisure service provision. Students will gain the knowledge and skills required to carry out individual assessment, to develop personalised leisure plans and to develop appropriate documentation. This will include client assessment, activity analysis, and activity modification. Application of differing models of practice are then applied to specific client groups with cardio-vascular, sensory and low energy disorders.

Textbooks

Therapeutic Recreation Program Design: Principles and Procedures. (3rd ed). Peterson, C.A. and Stumbo, N.J. (2000)

OCCP 1056 **Management and Leadership**

Old code 15157/15157X. 4 credit points. Ms Jo Ragen. Semester: 1 (off-campus), 2 (on-cariipus). Classes: On campus 3 hours/week, Off campus. Assessment: Assignments.

This unit focuses on specific skills related to program management and leadership skills. Students are provided with opportunities to develop specific skills in event and program management, volunteer management, total quality management and management of conflict and change within the workplace. Students will also learn skills related to effective leadership. They will examine their own leadership skills, learn how to match leadership styles with specific situations to gain maximum effectiveness from the group, and ways to achieve realisation of their goals through effective leadership of others. Documentation related to management of human and physical resources will form part of this unit.

Textbooks

Developing Management Skills in Australia. (1997). Carlopia, J., Andrewartha, G. and Armstrong, II.

OCCP 1057 **Creative Arts in Recreation**

Old code 15158/15158X. 4 credit points. Dr Norm Kelk. Semester: 1 (off-campus), 2 (on-campus). **Classes:** On campus 3 hours/week. **Assessment:** Assignments.

NB: Advanced standing (OC only)

This is a very practical unit that introduces students to a variety of visual and performance art activities. Typically these activities include handcrafts, music, drama, dance, storytelling and improvisational games. Students develop and practice their leadership skills by planning and implementing a variety of activities that are taught to their peers as a large group. Issues of participation for individuals within specific groups are a focus of this unit.

OCCP 1058 **Programming for Children and Adolescents**

Old code 15159X. 4 credit points. Dr Norm Kelk. Semester: 2. Classes: Off campus. Assessment: 1500 words essay and take home exam.

This unit of study is designed to provide a knowledge of the leisure needs of children and adolescents so as to inform the design, development, implementation and evaluation of recreation programs. Adaptation of programs for young children with special needs is examined and the benefits derived from professionals and families working cooperatively are explored. Observational and child study techniques will be used in designing programs for children. Issues specifically related to adolescents in a range of socio-cultural contexts will be studied.

OCCP 1079 **Programming for Children and Adolescents**

Old code 15171.3 credit points. Dr Norm Kelk. **Semester: 2. Classes:** 3 hours/week. **Prohibition:** OCCP 2060. **Assessment:** Presentation and report and 1500 words essay.

This unit of study is designed to provide a knowledge of the leisure needs of children and adolescents so as to inform the design, development, implementation and evaluation of recreation programs. Adaptation of programs for young children with special needs is examined and the benefits derived from professionals and families working cooperatively are explored. Observational and child study techniques will be used in designing programs for children. Issues specifically related to adolescents in a range of socio-cultural contexts will be studied.

OCCP 1080 **Professional Practice I: Communication**

Old code 15172.6 credit points. Dr Norm Kelk. **Semester:** 1. **Classes:** 4 hours per week plus 1 week field placement. **Assessment:** A pass grade requires full attendance, completion of all workbook exercises, and completion of a 35-hour fieldwork placement. Assessed on a pass/fail basis.

NB: Advanced standing (OC only)

This unit of study has been designed to develop in first year students, the generic skills and personal attributes required to succeed in undergraduate study and to provide students with practical experience in the fields of leisure and health. Students are required to undertake a 35-hour fieldwork placement between first and second semester, the focus of which is communication and interpersonal skills. The unit of study introduces students to the academic, social and cultural environment of higher education and to the skills of writing and referencing, literature and resource searching, classroom presentations, and interpersonal communication in a professional context. Learning about learning and developing an appreciation of learning are also features of this unit of study. The unit is designed to guide students in their conceptualisation of the course by examining its components, how they link and how they relate to their desired future roles in the professions of leisure and health.

Practical: 35 hours - Inter-semester

OCCP 2053 **Contemporary Issues in Healthcare**

Old code 152B1/152B1X. 3 credit points. Ms Jo Ragen. Semester: 1 (off-campus), 2 (on-campus). Classes: On campus 2 hours/week/Off campus. Assessment: Assignment, examination.

This unit of study will provide the student with an understanding of concepts which influence the delivery of leisure services and an opportunity to explore current issues within the healthcare system. Students will study relevant government acts, and standards and principles which influence the individual and the

provision of leisure services. Legal and ethical issues applicable to professional practice will be examined.

OCCP 2058 Social Psychology of Leisure and Play

Old code 152B6/152B6X. 3 credit points. Dr Norm Kelk. **Semester: 1. Classes:** On campus 2 hours/week/Off campus. **Assessment:** Assignments, examination.

This unit of study aims to broaden student's understanding of the behaviour of individuals within the social contexts of leisure and play. Students will examine and discuss various theories and the interpretation, application and relevance of the theories to the professional arena of leisure and health. Content areas examine elemental themes such as the relativity of freedom and intrinsic motivation. Consistent themes throughout the unit re-late to the role of leisure in the construction of the self and the evolution of communication and the significance of play as a cultural phenomenon. Factors that influence social interaction, personal and social roles, and self-development are examined both theoretically and as issues that impact on leisure and health service delivery.

OCCP 2059 Learning Processes and Leisure Education

Old code 152B7/152B7X. 3 credit points. Dr Norm Kelk. **Semester: 1. Classes:** On campus 2 hours/week, Off campus. **Assessment:** Assignments.

This unit of study explores the concepts of teaching and learning, examines the significance of motivation, feedback and reinforcement in the learning process, and considers ways this knowledge can be applied to recreation and leisure programs. Students will be introduced to task analysis, planning and organising teaching sequences, and experiential learning approaches to learning and will be given the opportunity to practice specific teaching skills in simulated teaching - learning environment. Practical skills related to leisure education will be developed in this unit and students will explore a number of approaches available to assess clients' leisure needs and choices.

OCCP 2060 Diversional Therapy & the Aging Population

Old code 152B8/152B8X. 3 credit points. Dr Norm Kelk. Semester: 2 (on-campus & off-campus). Classes: On campus 2 hours/week, Off campus. Prohibition: OCCP 1079. Assessment: Assignments, examination.

This unit of study provides students with opportunities to develop insights into the life experiences of older people. Students will acquire the knowledge and skills necessary to work with people who are older and develop an understanding of current legislation and policy as it applies to aged care services. Students consider issues which may affect an older person's participation in personalised leisure programs.

OCCP 2061 Client Groups 1

Old code 152B9.4 credit points. Ms Jo Ragen. Semester: 2. Classes: On campus 3 hours/week. Assessment: Assignment, examination.

This unit of study will provide students with an understanding of the medical and social conditions affecting people with psychiatric and neurological disorders. Issues relevant to clinical and community contexts will be explored along with issues such as motivation and the creation of therapeutic environments which affect participation in leisure and recreation. Current legislation and policy also will be studied.

OCCP 2062 Program Design and Evaluation

Old code 152C0/152C0X. 4 credit points. Dr Norm Kelk. **Semester: 1** (off-campus), 2 (on-campus). **Classes:** 3 hrs on/off campus. **Assessment:** Assignments.

In this unit of study students continue to develop the skills necessary for the facilitation of client involvement in leisure and recreation programs. Emphasis is placed on issues related to the design of programs and their effective implementation and evaluation. Participants will develop further knowledge about theories of learning, the process of learning and the role of leisure service providers, including diversional therapists, in this process.

OCCP 2073 Client Groups I

Old code 152C4.6 credit points. Ms Jo Ragen. **Semester: 2. Classes:** On campus 3 hours/week. **Assessment:** Report (1500 words), 1000 words essay and Take Home Exam.

This unit is divided into two strands, the first strand introduces students to definitions and classifications of disabilities, community athtudes towards disability, causes of negative athtudes and strategies for changing these, adjustment to disability and issues related to living with a disability. Particular emphasis is given to physical disabilities. The second strand provides students with an understanding of the medical and social conditions affecting people with psychiatric and neurological disorders. Issues relevant to clinical and community contexts will be explored along with issues such as motivation and the creation of therapeutic environments which affect participation in leisure and recreation. The issues for carers of these client groups will also be cover. This is achieved through lectures, tutorials and practical hands on experience.

OCCP 2074 Prof. Practice II: Skill Development

Old code 152C5.11 credit points. Ms Jo Ragen. **Semester:** Full year. **Classes:** 2 hours/week in Semester 1 plus 3 weeks field placement in mid-year break. **Assessment:** A Pass grade requires full attendance, satisfactory completion of all assignments, and satisfactory completion of the three-week fieldwork placement and weekend camp. Assessed on **a** pass/fail basis.

NB: Advanced standing (OC only)

This unit of study has three components: workshop sessions, including two site visits; a three-week intersemester fieldwork placement (105 hours); and a weekend camp (35 hours). Workshop sessions are designed to link skills that students learn in the university context with the requirements of workplace practice. These include practical skills such as lifting and transferring, sighted guiding and wheelchair skills; programming skills and professionalism in the workplace. During the two placements, students are encouraged to develop and implement recreation programs; evaluate programs and administrative procedures and link their academic study to professional practice.

OCCP 3029 Honours Research Seminar I

Old code 15378.3 credit points. Dr Christine Chapparo. **Semester:** 2. **Classes:** On campus 2 hours/week. **Assessment:** Ongoing.

This seminar is designed to assist Honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project and a student grant application and ethics application. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP 3050 Professional Communication and Guidance

Old code 15393/15393X. 3 credit points. Dr Norm Kelk. **Semester: 1. Classes:** On campus 3 hours for 4 weeks plus independent study on fieldwork (9 weeks). **Assessment:** Assignments.

This unit is designed to enable students to develop the knowledge, skills and athtudes needed to establish therapeutic helping relationships with clients. Students will complete an independent applied skills assignment during their professional practice placement. They will learn to assess client's needs and how to best meet these needs through the selection of appropriate strategies. The different helping skills models studied will allow students to develop flexible ways of relating to clients in a variety of context.

Practical: 3 hours per week during fieldwork placement

OCCP 3051 Outdoor Recreation and Education

Old code 15394/15394X. 3 credit points. Dr Norm Kelk. **Semester:** 1,2. **Classes:** on-campus 1 hour lecture/week, I hour tutorial/week; off-campus block mode. **Assumed knowledge:** Communication skills, Basic counselling skills. **Assessment:** 1500-2000 word essay (50%), Skills-based assessment (50%).

This unit's focus is outdoor education in adventure based practice and is comprised of three major components. The first component introduces the notions of experiential education and 'reflection in learning' using associated theories and definitions and the practical application of critical reflection in learning. The second component examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third component explores the processing of learning through a variety of debriefing methods including the Outward Bound model, frontloading, and metaphoric transference of learning. The third module is taught in block mode, usually over two days at an outdoor education centre where students practise advanced debriefing skills in real adventure experiences. A fee is payable by students for the latter part of the program.

Practical: Two days per semester

OCCP 3052 Research Project in Leisure and Health

Old code 15395.4 credit points. Dr Norm Kelk. **Semester: 2. Classes:** On campus 3 hours/week. **Assessment:** Assignments.

NB: This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.

This unit of study allows students to research and investigate an area that is of particular professional interest to them. It provides opportunities for students to further develop specialised knowledge and skills through an examination and critical re-view of the literature and the writing of a research paper which demonstrates an in-depth investigation and integration of information from a variety of sources.

OCCP 3053 Client Groups II

Old code 15396/15396X. 3 credit points. Ms Jo Ragen. Semester: 2. Classes: On campus 2 hours/week. Assessment: Assignments.

This unit of study will provide students with the opportunity to continue to develop and integrate expertise in supporting people participating in leisure programs who experience a developmental disability, a psychiatric disorder, or who require palliative care. Current legislation and policy related to these client groups will be examined. Issues relevant to clinical and community environments will be explored along with issues which affect participation in leisure and recreation.

OCCP 3054 Professional Practice III: Mastery & Research

Old code 15397.22 credit points. Ms Jo Ragen. **Semester:** Full year. **Classes:** On-campus 3 hours for 4 weeks, plus fieldwork placement. Off-campus block mode and fieldwork. **Assessment:** Fieldwork performance, assignments.

Students will have the opportunity to consolidate their learning through either a nine week placement at one centre during Semester 1 or two shorter placement at two different centres (eg, 5 weeks + 4 weeks). During their placement/s, students will integrate academic study with practical experience. This extended placement (315 hours), in conjunction with class review sessions (4 hours), will enable students to implement workplace-based research projects, to further develop their professional identity, and gain mastery of skills needed in the workplace.

Practical: 9 weeks fieldwork (315 hours)

OCCP 4019 Honours Research Seminar II

Old code 15442.4 credit points. Dr Christine Chapparo. Semester: Full year. Classes: On campus 2 hous/week. Assessment: Ongoing.

The seminar is designed to assist and support Honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for Honours students to discuss with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

OCCP 4043 Honours Thesis

Old code 154A8.41 credit points. Dr Norm Kelk. **Semester:** Full year. **Classes:** On campus 1 hour/week plus independent research. **Assessment:** Thesis.

Semester 1:19 credit points. Semester 2: 22 credit points.

This unit of study provides Honours students with the opportunity to undertake a supervised research project in the area of Leisure and Health. As part of this and the other Honours units of study, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

■Occupational Therapy units of study

BACH 1129 Foundations of Health Sociology

Old code 251A1.3 credit points. **Semester: 1. Assessment:** Class Essay 35% and Examination 65%.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1131 Foundations of Psychology for the Health Sciences

Old code 251 A3.3 credit points. Ms Karen Pepper, Dr Chris Lennings. **Semester:** 1. **Classes:** On campus, 26 hours (2 hr lecture/week for 13 weeks). **Assessment:** 1000 word essay 50%, 1 hr MCQ examination 50%.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1142 Designing Health Research

Old code 251B4.3 credit points. Dr Zakia Hossain, Dr Rob Heard, Dr Kaye Brock. **Semester: 1**. **Classes:** On campus, 39 hours. Assessment: 1500 word qualitative data collection exercise (50%), 1500 word quantitative data collection exercise (50%),.

This unit is designed to introduce students to the practicalities of the research process in both qualitative and quantitative aspects. As well as an introduction to submission of an institutional ethics proposal and development of a research questionnaire, concepts of experimental validity, single case research and group experimental research are developed. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Students will elect to develop their skills in a selection of interview, survey, observational and epidemiological research designs, will be introduced as well as concepts of Database and literature review techniques will for the basis of and introduction to issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Analysing Quantitative Health & Social Research

Old code 251B7.3 credit points. **Semester: 2. Assumed knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MC Examination (60%).

This unit introduces prospective health science practitioners and researchers to methods for exploring, analysing, understanding and interpreting quantitative data. It aims to provide an understanding of the main ideas of statistics and useful skills for working with data as well as to introduce students to common data analysis tools.

Methods for collecting, exploring and presenting data are discussed from the perspective of the practitioner. Graphical methods and descriptive statistics are emphasised throughout the unit and precede all analysis techniques. The normal and sampling distributions are introduced. The early emphasis in this unit will be placed on explaining; patterns in data, outliers and variability.

Random sampling in the context of randomised comparative experiments precedes an introduction to statistical inference for comparisons and relationships. Methods for parametric and non-parametric inference are introduced for one, two and multiple samples. The unit also introduces students to techniques of epidemiological data analysis and program evaluation.

Students will use data analysis software packages that are in common use in employment sethngs.

The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

BACH 2127 Health Policy and Service Delivery

Old code 252A2.3 credit points. **Semester:** 2. **Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology. Assessment: 1000 word essay 40%, 2 hours exam (essay and short answer questions) 60%.

This unit provides an understanding of key aspects of the relationship between Australian society, health and health service provision. It discusses the development, delivery and evaluation of Australian health and disability policy and services in a global context and across the life span. The importance of a holistic and preventive approach to health policy is stressed and the relationship between service access, equity, quality and cost is discussed.

BACH 2128 Cognition and Cognitive Impairment

Old code 252A3.3 credit points. **Semester: 2. Assumed knowledge:** Foundations of Psychology for the Health Sciences BACH 1131 (251 A3) or Introduction to Health Psychology BACH 1133 (251A5). **Assessment:** 1000-1500 word assignment (50%); 90 minute MCQ / short answer examination (50%).

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning, and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities, and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness, and with developmental and learning disabilities.

BACH 3094 Health Policy and Service Delivery

Old code 25392.3 credit points. Dr Carol O'Donnell. Semester: 2. Classes: 2 hours/week. Prerequisite: Introduction to Health Sociology BACH 1029 (25111). Assessment: Essay and final examination.

This unit of study uses social theory to explain the relationship between health, medicine and society. Lecturers will identify special features of the health care system in order to examine current concept and practices underpinning the present impetus for health reform. The course addresses issues of power and partnership in professional practice; it examines the health care policy and practice; it considers the need for balancing social and economic responsibility in health care; and provides a comprehensive evaluation of concepts necessary for the planning and delivery of effective health.

BIOS 1124 Human Biology and Biochemistry

Old code 111D2.4 credit points. Dr Peter Knight. Semester: 1. Assumed knowledge: Basic Chemistry. Assessment: Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied: the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

Teaching in this unit of study will comprise lectures, general worksheets, practical classes, Web based material to support lectures and discipline specific tutorials and self learning activities.

BIOS 1127 Body Systems I

Old code 111D4.3 credit points. Dr Jennifer Lingard. Semester: 2. Assumed knowledge: Human Biology and Biochemistry BIOS 1124 (111D2). Assessment: Mid Semester Exam and End Semester Exam.

This unit builds on the foundation studies of Human Biology and Biochemistry undertaken in Semester 1. It begins study of organ systems in the body, focussing on the cardiovascular and respiratory systems. In addition, the topics of Infection Control and Immunology extend the concept of maintenance of homeostasis with discussion of the body's defenses and barriers to invading organisms. Some general concepts relating to the handling of drugs by the body are introduced, and some drugs affecting the function of the Autonomic nervous system will be discussed.

BIOS 1132 Neuroscience I

Old code 111D9.3 credit points. Dr Bulent Turman. **Semester:** 2. **Assessment:** Assignment 10%, Mid-Semester Exam 30%, End Semester Exam 60%.

This unit of study introduces the students to fundamental concepts of nervous system functioning and the structure of muscle tissue. Students are initially introduced to basic structure of the nervous system and neurones. This is followed by an understanding of basic electrical concepts underlying neural signals. The sites of signal transmission and communication in the nervous system, including central synapses, the neuromuscular junction and receptors are discussed. The structure, contractile process, mechanics and biochemistry of skeletal cardiac and smooth muscles are covered. The unit includes laboratory classes in which human cadavers are studied.

BIOS 1136 Functional Anatomy A

Old code 111E3.4 credit points. Catherine Willis. **Semester:** 2. **Classes:** On campus, 41 hours. **Assessment:** Mid-Semester practical exam (25%), end semester practical exam (25%) and end semester exam (50%).

This unit of study begins with an introduction to the study of anatomy with particular reference to the musculoskeletal system. A detailed study of the gross anatomical structure and functional anatomy of the upper limb will then be undertaken. In this unit of study we will also examine the histological features of the tissues of the musculoskeletal system, and examine the ways in which some of these tissues are altered by varying activity states - eg, weight bearing versus non-weight bearing exercise versus bed rest. Material will be presented in lectures, tutorials and practical sessions, students wiU also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Adas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publishers.

BIOS 1138 Functional Anatomy B

Old code 111E5.3 credit points. Dr Karen Ginn. **Semester: 1. Classes:** On campus, Anatomy of the lower limb 17 hours (8lect/9 prac); Anatomy of the vertebral column, thorax& pelvis 13 hours (7lect/6 prac). **Assumed knowledge:** Functional Anatomy A BIOS 1136 (111E3). **Assessment:** Intrasemester practical exam (35%), end semester exam (65%).

This unit of study begins with a detailed examination of the gross anatomical structure and functional anatomy of the lower limb. During the second half of the semester students will study the gross anatomy, and its functional applications, of the vertebral column thoracic cage and pelvis. Material will be presented in lectures, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Adas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publisher.

BIOS 1140 Neuroscience II

Old code 111E7.3 credit points. Dr Ros Bohringer. **Semester: 1. Assessment:** Mid semester exam 30%, end semester exam (70%).

This unit of study aims to provide basic understanding of the anatomy and physiology of neural structures. The anatomy of the spinal cord and the brain is presented and studied on models and human cadavers. The basic mechanisms of spinal reflexes and the function of the somatosensory system comprise the physiological aspects of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for the students of the profession.

Textbooks

Neuroanatomy, an illustrated colour text (2nd Ed.). Crossman, A. R. and D. Neary. Churchill Livingstone.

EXSS 2015 Kinesiology for Occupational Therapy

Old code 22215.3 credit points. Mr Michael Lee. **Semester: 2. Classes:** On campus 2-3 hours/week. **Assessment:** Assignments and examination.

This unit of study will focus on concepts of biomechanics and kinesiology will be applied to situations which have specific implications for occupational therapy practice and intervention in activities of daily living and the workplace. Included in these applications are the use of electromyography, biomechanics of lifting techniques and manual handling as well as the kinesiology of the trunk and upper limb.

Textbooks

Kinesiology, Movement in the Context of Activity. Greene, S. and Roberts, S. (1999). Mosby.

EXSS 3019 **Applied Physiology**

Old code 22319.3 credit points. Dr Martin Thompson. **Semester: 2. Classes:** Lectures and practicals (28 hours). **Assessment:** Mid-semester exam 20% End-semester exam 80%.

This unit deals with the integration of body functions during work and exercise. It includes basic and applied aspects of muscle function, temperature regulation, energy metabolism and respiratory and cardiovascular physiology. Processes associated with physical work capacity, training and adaptation to physical activity will also be examined with reference to special populations - eg, the aged, disabled.

OCCP 1036 **Human Occupations IB**

Old code 15137.3 credit points. **Semester: 2. Classes:** On campus, 9 Lectures and 9x2 hours tutorials. **Assessment:** Presentation and assignment.

This unit of study continues with self-maintenance occupations, addressing the home and the community environment and the nature of self maintenance activities within the context of daily life. Students will explore the effects of physical, psychosocial and cognitive dysfunction on personal care, home and community skills and examine various occupational therapy assessment and intervention strategies.

OCCP 1081 **Human Occupations IA**

Old code 15173.3 credit points. Dr Ev Innes. **Semester: 1. Classes:** On campus, 6 lectures, 10x2 hours tutorials. **Assessment:** Viva, examination.

This unit of study introduces students to the concept of purposeful occupation in the area of self-maintenance. Students will explore the impact physical, psychosocial and cognitive dysfunction has upon self-maintenance task performance. They will also be given the opportunity to develop skills in mehtods used to assess, maintain, restore and enhance mobility and basic self-care skills. Appropriate assessment and intervention strategies are presented and explored.
Practical: Tutorials are skills-based
Textbooks

Occupational Therapy: practice skills for physical dysfunction. (4th ed). Pedreth,L.W.(1996).

OCCP 1082 **Occupational Therapy Theory & Process I**

Old code 15174.5 credit points. Ms Judy Ranka. **Semester:** 1. Classes: On campus lectures and tutorials. **Assessment:** Presentation and assignment.

This unit aims to introduce students to the concepts and philosophies which are foundations underlying current and future directions of occupational therapy practice. These philosophies and concepts will be explored through different theoretical perspectives as reflected in models of occupational therapy practice, and include perspectives from therapists, consumers and community members. Students will critically review models of occupational therapy practice and their influence on the problem solving process in occupational therapy.

OCCP 1083 **Occupations & Roles Across the Lifespan I**

Old code 15175.5 credit points. Dr Michelle Donelly and Ms Moy Dibden. **Semester: 2. Classes:** On campus lectures and tutorials. **Assessment:** Written assignment, examination.

This unit of study introduces the student to lifespan development concepts and to occupational role development. It also focuses on the development of occupations and roles in infancy, childhood, adolescence and young adulthood. Development of skills and abilities necessary for performance of occupations during these groups will be examined from various theoretical perspectives.
Textbooks

No textbook required. Core references given in lectures

OCCP 1084 **Professional Practice I**

Old code 15176.4 credit points. Ms Kirsty Thompson. **Semester:** Full year. **Classes:** On campus lectures and tutorials. Off-campus clinical placement. **Assessment:** Presentation, assignments and performance report.

This unit of study provides students with: opportunities to interact with clients and relevant others; to demonstrate professional behaviour; to integrate and apply theory and skills gained in semester 1 and 2 in professional practice and other units; and to promote their awareness of the range and scope of occupational therapy services and the roles of team members.

OCCP 1091 **Components of Occupational Performance IA**

Old code 15177.3 credit points. Mr Philip Chan. Semester: 1. Classes: On campus 11x2 hours tutorials. Assessment: Presentation and video.
This unit of study introduces students to the principles of intrapersonal and intrapersonal practice focusing on social interaction and helping skills which underpin person to person occupational therapy assessment and intervention in all areas of practice. Students will explore different theories of communication and counselling as applied in occupational therapy sethngs.
Textbooks
List to be provided in class.

OCCP 1092 **Components of Occupational Performance IB**

Old code 15178.5 credit points. Ms Kirsty Stewart and Dr Michelle Donelly. **Semester:** 2. Classes: On campus lectures and tutorials. **Assessment:** Report, examination, Viva.

The biomechanical performance component is introduced and examined in order to identify and intervene where human performance deficits exist in this area. Principles of occupational therapy assessment and intervention in the area of biomechanical performance are established in order to restore, maintain and enhance human occupational performance. Principles of learning and systematic instruction which underpin occupational therapy assessment and intervention in all areas of practice will be established.

OCCP 2041 **Human Occupations IIA**

Old code 15297.3 credit points. Mr Brett O'Neill. Semester: 1. Classes: On campus 11x2 hours tutorials, Off campus workbook. Assessment: Presentation, take home exam and workbook.
This unit of study will focus on two areas, occupations as therapy and leisure. The therapeutic use of meaningful occupations from all performance areas will be examined as part of intervention strategies that may address dysfunction. Students will be given the opportunity to analyse occupations in detail, identifying the therapeutic potential inherent in them, how they may be adapted for different populations and how they may be used as a form of therapeutic intervention is examined. This unit of study will also focus on the individual use and development of satisfying leisure. Students will be given the opportunity to explore the importance of leisure through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

OCCP 2042 **Human Occupations IIB**

Old code 15298.3 credit points. Dr Michelle Donelly. **Semester: 2. Classes:** On campus 2-3 hours/week. **Assumed knowledge:** Child development. **Assessment:** Mid-semester and end-semester examination.

The focus of this unit of study is on Play and School Occupations in infancy and school age children. Students will be given opportunity to analyse these occupational areas and to develop skills in the selection of occupational therapy intervention strategies to improve a child's occupational performance in play and at school.
Textbooks
Recommended readings for each tutorial class

OCCP 2044 **Components of Occupational Performance IIB**

Old code 152A1.3 credit points. Mr Brett O'Neill. **Semester: 2. Classes:** On campus 2 hours tutorials, alternate weeks, 13 lectures. **Assessment:** Presentation and assignment.
This unit of study will focus on two areas of study: An introduction to Group work and mental health practice. Principles of intra-personal and inter-personal practice which underpin occupational therapy assessment and intervention in groupwork practice will be established through experiential learning. Students will also attend a lecture series on interpersonal and intrapersonal practice in the mental health area in order to restore, maintain and enhance human occupational performance.

OCCP 2075 **Components of Occupational Performance IIA**

Old code 152C6.4 credit points. Ms Kirsty Stewart. **Semester:** 1. Classes: On campus 13 x 2 hours tutorials, 13 lectures. **Assessment:** Assignments.
This unit if study examines sensorimotor component performance in order to identify and intervene where human performance deficits exist in this area. Principles of occupational

therapy assessment and intervention in the area of sensorimotor performance are established in order to restore, maintain and enhance human occupational performance.

Textbooks

Updated readings assigned yearly

OCCP 2076 **Occupational Therapy Theory and Process II**

Old code 152C7.4 credit points. Ms Catherine Bridge and Ms Robyn Twible. **Semester:** 1. **Classes:** On campus lectures/tutorials. **Assessment:** Ongoing.

This unit of study aims to expand students understanding of occupational therapy theory and process through the exploration of clinical reasoning and decision-making processes. Case studies and problem-based learning will be linked with assessments to explore the application and use of different theories to guide reasoning. Students will also explore different theoretical models and approaches to the delivery of services in different contexts. Consideration will be given to future practice context and the consequences of theoretical and practice issues for service delivery.

OCCP **2077 Occupations & Roles Acrss the Lifespan II**

Old code 152C8.3 credit points. Ms Anne Hillman. **Semester: 1. Classes:** Lectures and tutorials. **Assessment:** Assignment and examination.

This unit of study focuses on the development of occupations and roles during mid-adulthood and in the elderly. Developmental changes and issues occuring at these stages will be examined in view of their influences on the development of occupations and roles and vice versa. Various developmental perspectives on these changes and issues will be explored.

Textbooks

Looking forward through the lifespan. (1996). Peterson, C.

OCCP 2078 **Professional Practice II**

Old code 152C9.4 credit points. Mr Peter Williamson. **Semester:** Full year. Classes: On campus lectures and tutorials/workshops, 3 weeks Clinical Practice. **Prerequisite:** Professional Practice I OCCP 1084 (15176). **Assessment:** Presentation, assignments and performance report.

This unit of study provides students with opportunities to: demonstrate professional behaviour; integrate and apply theory and skills learned in the previous three/four semesters in professional practice and other units in the course, to occupational therapy practice with guidance/supervision from one or more fieldwork educators. Students will be required to consolidate and expand on previous knowledge and skills.

OCCP 3029 **Honours Research Seminar I**

Old code 15378.3 credit points. Dr Christine Chapparo. Semester: 2. Classes: On campus 2 hours/week. Assessment: Ongoing.

This seminar is designed to assist Honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project and a student grant application and ethics application. The development of the research proposal is undertaken in collaboration with an academic supervisor.

OCCP 3030 **Human Occupations III**

Old code 15379.2 credit points. Dr Ev Innes. **Semester: 2. Classes:** On campus: 13 Lectures and 2 hours tutorials, alternate weeks. **Assessment:** Presentation and report.

This unit examines the area of productivity, including school to work transitions, occupational choice, paid and non-paid work, and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed, and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

OCCP 3032 **Occupational Therapy Theory & Process III**

Old code 15381.3 credit points. Ms Robyn Twible. Semester: 2. Classes: On campus: 6 Lectures and 9 x 2 hour tutorials. Assessment: Workshop and paper.

This unit of study aims to explore the theory and processes of effective management for current and future occupational therapy practice in differing therapy contexts. Consideration will be given to the impact of current and emerging professional issues as well as broader issues in health care, and in the community.

OCCP 3055 **Occupations & Roles Across the Lifespan III**

Old code 153A0.2 credit points. Ms Anne Hiilman. **Semester:** 2. **Classes:** On campus: 2 hour tutorials fortnightly. **Assessment:** Presentation and essay.

This unit of study is a case and issues based unit that covers the entire spectrum of the lifespan. Specific cases and issues related to infancy and childhood, adolescence and young adulthood, mid-adulthood and late adulthood are examined in view of the person's occupational and role development using occupational and role analysis. This is an integrative unit, which requires students to draw on knowledge gained from relevant units of study in the course.

OCCP 3057 **Components of Occupational Performance III**

Old code 153A2.3 credit points. Ms Judy Ranka and Ms Moy Dibden. **Semester:** 2. **Classes:** On campus 22 Lectures, 13x2 hour tutorials. **Assessment:** 2 assignments.

This unit of study examines the cognitive component in order to identify and intervene when human performance deficits exist in this area to restore, maintain and enhance human occupational performance. The intra-personal and inter-personal components in occupational therapy mental health practice area will also be studied further.

OCCP 3061 **Professional Practice IIIA**

Old code 153A6.12 credit points. Ms Nicola Hancock. Semester: 1. Classes: On campus briefing/debriefing tutorials, 6 wk clinical placement. Prerequisite: Professional Practice II OCCP 2078 (152C9). Assessment: Performance report, presentation and assignment.

This unit of study provides students with opportunities to demonstrate professional behaviours, integrate and apply theory and skills learned in the previous four semesters of professional practice and other units in the course, to occupational therapy service provision - assessing, determining goals, planning, . implementing, evaluating, reporting and documenting - with guidance/supervision from one or more fieldwork educators. Students will be consolidating and expanding on previous knowledge and skills. Students will complete two six week placements and attend briefing and debriefing lectures and tutorials.

OCCP 3062 **Professional Practice NIB**

Old code 153A7.13 credit points. Mr Brett O'Neill. Semester: Full year. Classes: On campus briefing/debriefing tutorials, 7 wk clinical placement. Prerequisite: Professional Practice II OCCP 2078 (152C9). Assessment: Performance report, presentation and assignment.

This unit of study provides students with opportunities to demonstrate professional behaviours, integrate and apply theory and skills learned in the previous four semesters of professional practice and other units in the course, to occupational therapy service provision - assessing, determining goals, planning, implementing, evaluating, reporting and documenting - with guidance/supervision from one or more fieldwork educators. Students will be consolidating and expanding on previous knowledge and skills. Students will complete two six week placements and attend briefing and debriefing lectures and tutorials.

OCCP **4019 Honours Research Seminar II**

Old code 15442.4 credit points. Dr Christine Chapparo. Semester: Full year. Classes: On campus 2 nous/week. Assessment: Ongoing.

The seminar is designed to assist and support Honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for Honours students to discuss with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

OCCP 4051 **Professional Practice IV**

Old code 154B4.24 credit points. Ms Mironne Golan. **Semester:** 2. **Classes:** Briefing/debriefing tutorials, 8 week clinical placement. **Prerequisite:** Professional Practice OCCP 3061 (153A6) IIIA and IIIB OCCP 3062 (153A7). **Assessment:** Performance report, presentation and assignments.

This unit of study has one 8 week block placement in a professional sethng plus briefings and debriefings to facilitate integration of on-and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, knowledge, skills and athtudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

OCCP 4052 Professional Practice IV (Hons)

Old code 154B5.24 credit points. Ms Mironne Golan. Semester: Full year. Classes: Briefing/debriefing tutorials, 6 week clinical placement. Prerequisite: Professional Practice IMA OCCP 3061 (153A6) and NIB OCCP 3062 (153A7). Assessment: Performance report, presentation and assignments. A + B.

Semester 1:12 credit points. Semester 2:12 credit point.

This unit of study has one 6 week block placement in a professional sethng plus briefings aned debriefings to facilitate integration of on-and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, knowledge, skills and athtudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

OCCP 4054 Honours Thesis

Old code 154B7.20 credit points. Dr Chris Chapparo. Semester: Full year. Classes: Independent. Assessment: 100% Thesis mark.

This unit of study provides Honours students with the opportunity to undertake a supervised research project in an area of occupational therapy. As part of this and the other Honours units of study, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

OCCP 4055 Adolescent and Family Mental Health

Old code 154B8.8 credit points. Ms Mironne Golan and Ms Moy Dibden. Semester: 1. Classes: Two workshops (Fri/Sat) and one day of presentations. Assessment: Journal and presentation.

This unit of study aims to extend the students knowledge and skill in the area of adolescence an creative therapies, and introduce concepts and practice in family therapy. It is expected by the end of the unit that students will be able to analyse a family, identify appropriate issues and design an occupational therapy program relevant to meeting the adolescent and family needs. There will be a large component of experiential and affective learning in this unit, designed to enhance existing skills in counselling, drama therapy and art therapy

OCCP 4056 OT for Children with Learnning & Coord Difficulties

Old code 154B9.8 credit points. Dr Chris Chapparo. Semester: 1. Classes: 2x2 hours each week. Assessment: Various.

This unit will give opportunities for students to study the impact of learning disabilities on children's home and school occupational performance. During the semester, students will study 1) various explanations of learning disorders, 2) common assessment procedures used by occupational therapists to identify problems; 3) interventions. The focus will be on direct intervention as experienced in private practice occupational therapy for children, and consultation with schools. Students will be required to test at least one young child (typical child, rather than children with difficulties) aged between 3-4. Students who participate in this elective will be eligible for fourth year fieldwork placement in a public school in Killara.

OCCP 4057 Upper Limb/Hand Therapy

Old code 154C0.8 credit points. Ms Judy Ranka. Semester: 1. Classes: 13 hrs lecture, 3hr labs weeks 2-5 and 4hr labs weeks 6-13. Assessment: Various.

This unit will extend students knowledge and skills required for beginning practice in hand therapy. Students will review upper limb anatomy in order to understand common problems of the upper limb that interfere with occupational performance. Students will learn to (l)use detailed biomechamcal and sensory assessments, (2) use treatment techniques for management of oedema, scar formation, PROM limitations and muscle weakness, (3) follow post-operative hand management protocols and (4) fabricate orthoses for common problems at the wrist and hand resulting from cumulative trauma.tendon lacerations, nerve lesions, arthritis, and CNS disorders including spinal cord injury.

OCCP 4058 Advanced Communication & Management

Old code 154C1.8 credit points. Mr Philip Chan. Semester: 1. Classes: 4 hours per week (2 x 2hr lecture/tutorial). Assessment: Various.

This unit aims to develop students' advanced communication and management knowledge, skills and athtudes. It consists of two complementary strands:

A. Advanced communication techniques aiming to introduce students to relevant advanced communication theories and techniques for the development of self, clients and significant others, which forms part of the core skills in management. Students will have the opportunity to identify own and others' personality, emotion and learning styles; and practise conflict resolution, negotiation, mediation, neurolinguistic and summarising techniques.

B. Managing occupational therapy services aiming to develop students' understanding of current management theories and practice, with specific reference to their application to managing occupational therapy services. Students will have the opportunity to apply and practice managerial functions such as planning, . organising, staffing, leading and continuous quality improvement of occupational therapy services.

OCCP 4061 Culture and Communication

Old code 154C4.8 credit points. Dr Maureen Fitzgerald. Semester: 1. Classes: 3 hr tutorial per week, with 2-3 week break for data collection/ initial analysis. Assessment: Various.

This learning unit uses a variety of activities to explore multiple aspects of culture, communication, and intercultural interactions in health care, in particular in occupational therapy practice. This is done, in part, by using a process of collaborative inquiry learning through the involvement of students in an aspect of the Intercultural Interaction Project (see below). The purpose is to help students identify cultural issues in practice and culturally appropriate and sensitive strategies for dealing with them, which are satisfying to therapists, clients and families.

OCCP 4062 Community Based Rehabilitation

Old code 154C5.8 credit points. Ms Robyn Twible. Semester: 1. Classes: 2 hours per week. Assessment: Various.

Many western trained therapists entering community practice (whether in developing counties or developed countries) have little idea of the issues that they will encounter in practice. Developing countries have many years of experience in CBR, therefore we can learn from their experience by firstly reviewing the literature in these areas (most CBR literature is of limited circulation and not easily accessible - if at all - by normal literature review mechanism- this school has an extensive range of literature in the Operation International files to enable people to undertake a review of most pertinent issues). Issues of CBR will be explored and developed to gain a greater understanding of the requirements for working in this area.

OCCP 4063 Evaluation of OT Programs

Old code 154C6.8 credit points. Ms Michelle Donelly and Dr Maureen Fitzgerald. Semester: 1. Classes: 2x2 hours weekly seminars. Assessment: Various.

This unit of study gives students the opportunity to utilise their developing research/evaluation knowledge and learn to apply it to occupational therapy program evaluation, one common use of the research process in professional practice. It is designed to introduce students to some of the issues and practices associated with program and professional activity evaluation. The purpose of this unit of study is help students develop the knowledge and skills that will allow them to write good, practical project and evaluation proposals, the kind that will get supported and will make a positive contribution to addressing client needs and those of the workplace and profession.

OCCP 4064 Peer Assisted Learning & Adolescent Role Development

Old code 154C7.8 credit points. Ms Moy Dibden. Semester: 1. Classes: On campus tutorials. Prerequisite: Completion of PAL tutoring. Assessment: Completion of PAL requirements in year 3. Assignment.

This unit of study builds on the work completed by students in third year as Peer Assisted Learning tutors. It will build on the skills developed as tutors and through individual contracts with the tutor, students will explore areas of adolescent developmental theory in relation to occupational therapy.

OCCP 4065 Supporting families and Protecting Children

Old code 154C8.8 credit points. Ms Kathy Gray. Semester: 1. Classes: On campus lectures and tutorials. Assessment: Presentation and assignment.

This unit of study provides students with an introduction to the ways that occupational therapists can support vulnerable families. Students will be introduced to the current legal and political frameworks and examine the various issues involved in child protection; interagency work and family support using both theory and practical activities. In particular how occupational therapists can support families who have a child or a parent with additional needs such as an intellectual disability; aboriginality or who are from a culturally diverse background and the

exploration of how students balance the needs of the family; the community; the various systems and their work.

Textbooks

Provided on enrolment.

OCCP 4066 The Use of Creative Arts in Occupational Therapy

Old code 154C9.8 credit points. Ms Moy Dibden, Ms Mironne Golan. **Semester:** 1. **Classes:** Block mode and on campus tutorials. **Assessment:** Case studies, reflective journal and attendance requirements.

This unit of study will allow students the opportunity to experience movement and music, voice work, drama and art in a therapeutic context. A large component of this unit will be experiential and students will be expected to be involved in a number of different activities. This involvement will allow the student to make use of affective learning and allow them to develop their reflective capacities to a greater extent. Attention will be given to clinical application of these techniques with particular populations.

Textbooks

Provided on enrolment in unit.

OCCP 4067 Assessing Cognitive Impairments in Adults & Children

Old code 154D0.8 credit points. Ms Judy Ranka, Ms Chris Criapparo, Mr John Byrne. **Semester: 1. Classes:** On campus lectures/tutorials and independent learning and practicums. **Assessment:** Case studies, assignments and report.

This unit will provide opportunities for students to extend knowledge and skills required to understand the impact of information processing disorders on everyday life in clients with neurological, psychiatric, learning disorders or other conditions. Students will learn about occupational therapy methodologies that use everyday tasks as test items to detect processing problems and will be able to measure the impact of these disorders on client mastery. Students will document findings, establish both occupational goals and will make recommendations for intervention. Student learning will be supported by relevant neurophysiology and anatomy, especially that underlying attention, sensory perception, memory, higher cognition, emotions and motor enactment. Teaching and learning strategies used will include didactic sessions, independent learning modules and practicums that make extensive use of case study material.

OCCP 4068 OT in Occupational Health, Safety & Rehabilitation

Old code 154D1.8 credit points. Dr Ev Innes, Ms Kate O'Loughlin. **Semester:** 1. Classes: On campus lecture/tutorials. **Prerequisite:** Human Occupations III OCCP 3030 (15379). **Assessment:** Case studies, assignments and report.

This unit of study gives students the opportunity to extend their knowledge and skills of occupational health, safety and rehabilitation developed in Human Occupations 3 and other units of study. Students will explore the issues of work-related injuries and disorders and how these impact on the occupational roles of individuals. There is also input from a sociological perspective. Students will learn how to conduct a functional assessment, including writing a report. There will also be content that addresses relevant ergonomic issues in the workplace and consideration of the hierarchy of controls in determining appropriate interventions, including education and training, as well as workplace modifications. Relevant legislation, regulations, and competency standards will be used to guide the content and assessment of this unit.

14 School of Physiotherapy

Physiotherapy is a health profession which deals with the prevention, assessment and treatment of human movement disorders. Physiotherapy services are used in a wide variety of areas such as health care organisations, private practices, schools and community, sports and workplace sethngs. The physiotherapy profession is committed to continued research into its fundamental concepts and activities and the evaluation of physiotherapy services to ensure the optimum quality of care for the community it serves. The profession is also committed to effective communication with members of the health team, the community at large and the continuing education of its graduates. Staff and students of the School are actively involved in a number of research projects. These range over several areas including the investigation of human motor performance, musculoskeletal, neurological and cardiopulmonary physiotherapy, occupational health and clinical reasoning.

As one of the foundation schools of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences) at the College's inception in 1975, the School of Physiotherapy has played an important role in the development of the Faculty and its academic programs. Prior to 1975, there was a physiotherapy program conducted through the Australian Physiotherapy Association in New South Wales which had been offered since its inception in 1907.

One of the major goals of the School is to graduate competent beginning practitioners of physiotherapy. To this end, the School's Undergraduate Studies Committee has reviewed the undergraduate program in relation to each of the Physiotherapy Competencies formulated by the physiotherapy profession in Australia. This Committee has ensured that each of these competencies is addressed in the curriculum. Reference to specific competencies is made in statements of unit aims and objectives - eg, in student manuals.

The School has a strong commitment to achieving quality in all areas of endeavour. To achieve this goal the School has utilised findings from evaluation of its academic programs and research projects to refine the programs offered. This evaluation has involved seeking and receiving critical appraisal from various sources including student, teacher and external evaluation, from external advisory committees and members of the physiotherapy profession, from national and international colleagues and from members of this and other faculties of the University.

In common with other departments at The University of Sydney, the School of Physiotherapy promotes students' development of generic as well as discipline-specific knowledge and skills. Generic skills, for example communication and team work skills, are necessary attributes of all graduates of higher education in this age of change. In fostering these skills the School is preparing its graduates to work in many different sethngs to promote health and facilitate rehabilitation. Work venues include generalist and specialist sethngs in city and rural regions, and in institutional, school, industrial and community contexts.

The School of Physiotherapy offers two undergraduate programs (pass and honours bachelor degrees). The honours program is available to students completing their second year of the undergraduate physiotherapy program who have met the eligibility criteria and quota for admission to the Honours Program.

The School conducts ten graduate programs. These include research programs at masters and doctoral levels and coursework programs in manipulative physiotherapy, sports physiotherapy, cardiopulmonary physiotherapy, neurological physiotherapy, paediatric physiotherapy, double degree in sports and manipulative physiotherapy, and a combined program, which addresses a number of other professional sub-disciplines. In addition, the school offers a Graduate Physiotherapy Program. More information on this two year Masters level program, opened to graduates of relevant Human Movement Degrees, can be found in the School of Physiotherapy chapter in the Postgraduate Handbook.

Enquiries regarding undergraduate courses should be directed to the following:

Academic Program Administrator: Mr Chamreun Cheen (02) 9351 9378; the Undergraduate and Honours Programs Coordinator: Dr Sharon Kilbreath (02) 9351 9272. Enquiries regarding postgraduate courses should be directed to the following:

Academic Program Administrator: Mr Chamreun Cheen (02) 9351 9378; The Postgraduate Coursework Programs Coordinator: Dr Jenny Alison (02) 9351 9371; Research Masters Program and PhD Program Coordinator: Associate Professor Nick O'Dwyer (02) 9351 9385; Graduate Physiotherapy Program Coordinator: Dr Louise Ada (02) 9351 9544.

■ Bachelor of Applied Science (Physiotherapy)

The current undergraduate programs are four year full-time programs. These lead to a Bachelor of Applied Science (Physiotherapy) (Pass) degree and a Bachelor of Applied Science (Physiotherapy) (Honours) degree and aim to equip students with the appropriate knowledge, skills and athtudes to work effectively as members of the physiotherapy profession. Graduates of these full-time programs are eligible for registration as Physiotherapists with the NSW Physiotherapists Registration Board.

Admission requirements

There are no formal prerequisites for HSC candidates to the Bachelor of Applied Science (Physiotherapy) program. As most students will be interacting with computers during their program, experience in the use of computers would be an advantage. Assumed knowledge includes Mathematics, Physics and Chemistry at HSC level. Students who have not completed these studies recently are advised to consider attending one or more of the pre-semester bridging programs offered by the Faculty of Health Sciences. Please refer to the General Admission Requirements and the section on Bridging Courses both in chapter 3. Applicants who are not sithng the current NSW HSC examination may be required to demonstrate other entry criteria (eg, exceptional performance in a recognised undergraduate degree program in which they are currendy enrolled or completion of a degree) and may be asked to complete a questionnaire specified by the School. Data derived from such questionnaires will be used in the selection process. 'Recognised Degree Holder' Enrolment Information Sheets which oufline this procedure can be obtained from the School or the School's Web site: www.fhs.usyd.edu.au/Academic/PT/.

The profession of physiotherapy is physically demanding and requires for its practice the development of a range of precise physical skills. Prospective students should be aware that they will be expected to carry out and have carried out upon themselves as simulated patients, all the examination and treatment procedures used by physiotherapists. Such practical classes may involve partial disrobing. Participation in these classes is a requirement of the program.

Any prospective student who thinks that he/she may have a consideration, condition or disability, which may interfere with the development or practice of physical skills, or with participation in clinical education should consult the Head of the School of Physiotherapy before commencing the program.

Course outlines

The course outlines for the Bachelor of Applied Science (Physiotherapy) are presented in Table 14.1, Table 14.1.1, Table 14.2 and Table 14.2.1.

Note: Students will normally complete all units listed in the sequence in which they appear in the Faculty Handbook. Permission to alter this sequence must be obtained from the Head of School. Non-standard students who are completing units from more than one year of the program are required to seek

permission to enrol in particular units from the designated Academic Program Advisors in the School. This will ensure that students' programs are not severely handicapped by an inappropriate or unmanageable combination of units. Attendance at all lectures and tutorials is expected for all units. Students entering the program are required to complete all first year units within two years and all first and second year units within four years.

Honours program

The following information is specific to the Physiotherapy Honours program. Entry to the Honours program is competitive and requires completion of the first two years of the' undergraduate physiotherapy course with a credit or higher average without any failed grades. An Honours degree is awarded after satisfactory completion of all coursework and a diesis during the third and fourth years of the course. Honours students are required to maintain a credit average in the third year. There is no re-examination for any unit in the Honours program. Students who fail to meet these criteria for retaining candidature in the Honours program will be required to discontinue that program. They may be re-absorbed into the Pass program provided they meet the criteria for retention and progression in this course. See Table 14.1.1 for the course outline.

For further information specific to the Physiotherapy Honours Program, students are advised to contact the School's Honours Program Coordinator, Dr Sharon Kilbreath, phone (02) 9351 9272.

In order for honours students to have adequate time to pursue their research studies modifications have been made to the pass program for these students. Modifications include: unit exemptions and additions (as outlined below), and variation in clinical education units.

Exemptions

Students in the Honours program complete all year 3 and year 4 units in the Pass program, except Evidence-Based Practice (164H9) from which they are exempt.

Clinical education

In year 4 Honours students complete four clinical education units, which are similar in content and goals to the pass program units. However, the first two units vary in hours from the parallel pass units. That is honours students complete PHTY 4075 Clinical Education IVHA instead of PHTY 4066 Clinical Education IVA and complete PHTY 4076 Clinical Education IVHB instead of PHTY 4067 Clinical Education IVB. They also complete PHTY 4073 Clinical Education IVC and PHTY 4074 Clinical Education IVD along with the pass students. Honours students will be provided with city placement for semester 1 clinicals; however, they should note that either of semester 2 clinicals can be rural. Honours students should also note that due to these concessions their total clinical hours are reduced, therefore they are normally required to make up any absences from clinical placement.

Additional units

Honours students complete the following extra units: BACH 3043 Research Statistics, PHTY 3042 Research for Physiotherapists, PHTY 4077 Honours Research Seminar and PHTY 4083 Honours Thesis.

Table 14.1: Bachelor of Applied Science (Physiotherapy) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1652: Pass course; full-time, 4 years					
■ Year 3 (last offered in 2003)					
BACH 3072	*25370*	Sociology of Clients, Practitioners & Organizations	2	A Introduction to Health Sociology BACH 2027 (2521G) or equivalent.	1
BIOS 3019	*11374*	Body Systems III	2	p Body Systems E BIOS 2037 (11286).	1
EXSS 3009	*22309*	Applied Physiology	5	C Body Systems III BIOS 3019 (11374).	Full year
PHTY 3029	*16330*	Cardiopulmonary Physiotherapy II	2	p Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224).	1
PHTY 3036	*16337*	Musculoskeletal Physiotherapy III	7	P Musculoskeletal Physiotherapy II PHTY 2031 (16235).	Full year
PHTY 3037	*16338*	Neurological Physiotherapy I	6	p Neurobiology II BIOS 2038 (11287). c Subject to approval of Academic Advisor.	Full year
PHTY 3038	*16339*	Paediatrics	5	P Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy E PHTY 2031 (16235), Biomechanics EXSS 2008 (22208). c Neurological Physiotherapy I PHTY 3037 (16338), Cardiopulmonary Physiotherapy E PHTY 3029 (16330).	Full year
PHTY 3039	*16340*	Community and Occupational Physiotherapy	4	C Body Systems III BIOS 3019 (11374), Musculoskeletal Physiotherapy EI PHTY 3036 (16337).	Full year
PHTY 3040	*16341*	Exercise and Health	2	P Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Body Systems E BIOS 2037 (11286). C Applied Physiology EXSS 3009 (22309).	2
PHTY 3041	*16342*	Clinical Education IE	13	P Clinical Education I PHTY 2033 (16237), Electrophysical Agents E PHTY 2027 (16231), Cardiopulmonary Physiotherapy E PHTY 3029 (16330). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education EI. C Neurological Physiotherapy I PHTY 3037 (16338), Musculoskeletal Physiotherapy III PHTY 3036 (16337).	
Stage total for Year 3:			48 credit points		
Year 4 (last offered in 2004)					
BACH 4049	*25448*	Health Policy and Service Delivery	1	P Introduction to Health Sociology BACH 2027 (2521G).	
BACH 4051	*25450*	Psychopathology and Behaviour Change	2	P Introduction to Health Sociology BACH 2027 (2521G).	
PHTY 4066	*164G7*	Clinical Education IVA		p (except Singapore courses) Clinical Education IE PHTY 3041 (16342), Cardiopulmonary Physiotherapy E PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Eeducation IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5),	

Table 14.1: Bachelor of Applied Science (Physiotherapy) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
PHTY 4067	*164G8*	Clinical Education IVB		P (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	1
PHTY 4068	*164G9*	Evidence-Based Practice		P (except Singapore courses) Research Methods I: Design BACH 1026 (251 IF), Research Methods II: Data Analysis BACH 2026 (2521F).	Full year
PHTY 4069	*164H0*	Complex Cases		P (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Musculoskeletal Physiotherapy in PHTY 3036 (16337), Neurological Physiotherapy I PHTY 3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341).	Full year
PHTY 4070	*164H1*	Elective			Full year
PHTY 4071	*164H2*	Advanced Manipulation Skills		P (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3036 (16337).	
PHTY 4072	*164H3*	Neurological Physiotherapy II		P (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338).	
PHTY 4073	*164H4*	Clinical Education IVC		P Clinical Education in PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	
PHTY 4074	*164H5*	Clinical Education IVD		P Clinical Education in PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	
Stage total for Year 4:			48 credit points		

Table 14.1.1: Bachelor of Applied Science (Physiotherapy) Honours

Unit code	Old code	Unit name '	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1653: Honours program, full-time, 4 years					
■ **Year 3 (last offered** in 2003)					
BACH 3043	***25341***	Research Statistics	2	A Windows Operating System. P Research Methods II: Data Analysis BACH 2026 (2521F).	2
BACH 3072	***25370***	Sociology of Clients, Practitioners & Organizations	2	A Introduction to Health Sociology BACH 2027 (2521G) or equivalent.	1
BIOS 3019	***11374***	Body Systems III	2	P Body Systems II BIOS 2037 (11286).	1
EXSS 3009	***22309***	Applied Physiology	5	C Body Systems III BIOS 3019 (11374).	Full year
PHTY 3029	***16330***	Cardiopulmonary Physiotherapy II	2	P Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224).	1
PHTY 3036	***16337***	Musculoskeletal Physiotherapy III	7	p Musculoskeletal Physiotherapy II PHTY 2031 (16235).	Full year
PHTY 3037	***16338***	Neurological Physiotherapy I	6	P Neurobiology II BIOS 2038 (11287). c Subject to approval of Academic Advisor.	Full year
PHTY 3038	***16339***	Paediatrics	5	P Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Biomechanics EXSS 2008 (22208). c Neurological Physiotherapy I PHTY 3037 (16338), Cardiopulmonary Physiotherapy II PHTY 3029 (16330).	Full year
PHTY 3039	***16340***	Community and Occupational Physiotherapy	4	C Body Systems III BIOS 3019 (11374), Musculoskeletal Physiotherapy III PHTY 3036 (16337).	Full year
PHTY 3040	***16341***	Exercise and Health	2	P Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Body Systems II BIOS 2037 (11286). C Applied Physiology EXSS 3009 (22309).	2
PHTY 3041	*16342*	Clinical Education III	13	P Clinical Education I PHTY 2033 (16237), Electrophysical Agents II PHTY 2027 (16231), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III. Neurological Physiotherapy I PHTY 3037 (16338), Musculoskeletal Physiotherapy III PHTY 3036 (16337).	
PHTY 3042	*16343*	Research for Physiotherapists	4		Full year
Stage total for Year 3:			54 credit points		
■ Year 4 (last offered in 2004)					
BACH 4049	*25448*	Health Policy and Service Delivery	1	P Introduction to Health Sociology BACH 2027 (2521G).	1
BACH 4051	*25450*	Psychopathology and Behaviour Change	2	P Introduction to Health Sociology BACH 2027 (2521G).	1
PHTY 4069	*164H0*	Complex Cases	2	P (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Musculoskeletal Physiotherapy IH PHTY 3036 (16337), Neurological Physiotherapy I PHTY 3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341).	Full year

Table 14.1.1: Bachelor of Applied Science (Physiotherapy) Honours (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
PHTY 4071	*164H2*	Advanced Manipulation Skills	I	P (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3036 (16337).	~2
PHTY 4072	*164H3*	Neurological Physiotherapy II	1	P (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338).	2
PHTY 4073	*164H4*	Clinical Education IVC II	9	P Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy PHTY 029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education TVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education rVD PHTY 4074 (164H5).	2
PHTY 4074	*164H5*	Clinical Education IVD	9	P Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	2
PHTY 4075	*164H6*	Clinical Education IVHA	9	P Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4075 (164H6), Clinical Education IVHB PHTY 4076 (164H7), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	1
PHTY 4076	*164H7*	Clinical Education IVHB	9	p Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4075 (164H6), Clinical Education IVHB PHTY 4076 (164H7), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	1
PHTY 4077	*164H8*	Honours Research Seminar	5	c Honours Thesis PHTY 4083 (16414).	Full year
PHTY 4083	*16414*	Honours Thesis	12	C Honours Research Seminar PHTY 4077 (164H8).	Full year
Stage total for Year 4:			60 credit points		

Table 14.2: Bachelor of Applied Science (Physiotherapy) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1688: Pass course; full-time, 4 years					
■ Year 1					
BACH 1131	*251A3*	Foundations of Psychology for the Health Sciences	3		1
BACH 1142	*251B4*	Designing Health Research	3		1
BIOS 1130	*111D7*	Molecules and Energy	4	A Basic chemistry.	1
BIOS 1133	*111E0*	Body Systems: Structure and Function I	3	A Molecules and Energy BIOS 1130 (111D7).	2
BIOS 1135	*111E2*	Functional Anatomy A	4		1
BIOS 1137	*111E4*	Introductory Neuroscience	3		1
BIOS 1139	*111E6*	Functional Anatomy B	3	A Functional Anatomy A BIOS 1135 (111E2).	2
BIOS 1143	*111E9*	Functional Anatomy C	3	A Functional Anatomy B BIOS 1139 (111E6).	2
EXSS 1002	*22102*	Muscle Mechanics	5	p Molecules and Energy BIOS 1130 (111D7) and Introductory Neuroscience BIOS 1137 (111E4).	2
PHTY 1018	*16118*	Introduction to Physiotherapy Practice	3	A None. P None. c None.	1
PHTY 1020	*16120*	Clinical Observation and Measurement	4	c Functional Anatomy A BIOS 1135 (111E2).	1
PHTY 1021	*16121*	Motor Performance and Learning	4	p Foundations of Psychology for the Health Sciences BACH 1131 (251A3).	2
PHTY 1022	*16122*	Foundations of Musculoskeletal Physiotherapy	6	p Clinical Observation and Measurement PHTY 1020 (16120), Functional Anatomy A BIOS 1135 (111E2). C Functional Anatomy B BIOS 1139 (111E6), Functional Anatomy C BIOS 1143 (1I1E9).	2
Stage total for Y e a r 1 :			48 credit points		
■ Year 2 (first offered in 2003)					
BACH 1145'	*251B7*	Analysing Quantitative Health & Social Research	3	A Basic mathematics.	2
BACH 1147'	*251B9*	Analysing Qualitative Health & Social Research	3		2
BACH 1129	*251A1*	Foundations of Health Sociology	3		1
BIOS 2099	*112F4*	Body Systems: Structure and Function II and Pharmacology	4	A Molecules and Energy BIOS 1130 (111D7).	1

Table 14.2: Bachelor of Applied Science (Physiotherapy) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 2103	*112F7*	Neurosciences for Physiotherapists	3	p Introductory Neuroscience BIOS 1137 (111E4).	2
EXSS 2008	*22208*	Biomechanics	4		1
PHTY 2039	*16239*	Cardiopulmonary Physiotherapy I	5	P Body Systems: Structure and Function I BIOS 1133 (111E4).	Full year
PHTY 2040	*16240*	Musculoskeletal Physiotherapy II	10	P Functional Anatomy B BIOS 1139 (111E6), Foundations of Musculoskeletal Physiotherapy PHTY 1022 (16122).	Full year
PHTY 2041	*16241*	Electrophysical Agents	4	A Clinical Observation and Movement PHTY 1020 (16120), Functional AnatomyABIOS 1135 (111E2), Functional Anatomy B BIOS 1139(111E6), Functional Anatomy C BIOS 1143 (111E9). P Foundations of Musculoskeletal Physiotherapy PHTY 1022 (16122).	1
PHTY 2042	*16242*	Ediical Physiotherapy Practice	2	C Clinical Education I PHTY 2043 (16243) or Clinical Education II PHTY 2044 (16244).	2
PHTY 2043	*16243*	Clinical Education I	6	C Cardiopulmonary Physiotherapy I PHTY 2039 (16239), Musculoskeletal Physiotherapy II PHTY 2040 (16240), Electrophysical Agents PHTY 2041 (16241).	2
PHTY 2044	*16244*	Clinical Education II (Community Fieldwork)	4	C Ethical Physiotherapy Practice PHTY 2042 (16242).	2
Stage total for Year 2:			48 credit points		
■ Note 1. Students choose either BACH 1145 or BACH 1147.					
■ Year 3 (first offered in 2004)					
BACH 212S	*252A0*	Maladaptive Behaviours and Behaviour Change	4	*NB: First offered in 2004.*	1
EXSS 3009	*22309*	Applied Physiology	5	C Body Systems III BIOS 3019 (11374).	Full year
PHTY 3029	*16330*	Cardiopulmonary Physiotherapy II	2	P Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224).	1
PHTY 3038	*16339*	Paediatrics	5	P Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Biomechanics EXSS 2008 (22208). C Neurological Physiotherapy I PHTY 3037 (16338), Cardiopulmonary Physiotherapy *U* PHTY 3029 (16330).	Full year
PHTY 3046	*16344*	Musculoskeletal Physiotherapy III	7	*NB: First offered in 2004.*	Full year
PHTY 3047	*16345*	Neurological Physiotherapy I	7	*NB: First offered in 2004.*	Full year
PHTY 3048	*16346*	Community and Occupational Physiotherapy	7	*NB: First offered in 2004.*	Full year
PHTY 3049	*16347*	Clinical Education III	9	*NB: First offered in 2004.*	2
PHTY 3050	*16348*	Exercise Management in Health and Disease	2	*NB: First offered in 2004.*	2
Stage total for Year 3:			48 credit points		
■ Year 4 (first offered in 2005)					
PHTY 4066	*164G7*	Clinical Education IVA	9	P (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	1
PHTY 4067	*164G8*	Clinical Education IVB	9	P (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	1
PHTY 4070	*164H1*	Elective	2		Full year
PHTY 4073	*164H4*	Clinical Education IVC	9	P Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	2
PHTY 4074	*164H5*	Clinical Education IVD	9	P Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education TVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	2
PHTY 4084	*16415*	Evidence Based Practice	4	*NB: First offered in 2005.*	Full year

Table 14.2: Bachelor of Applied Science (Physiotherapy) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
PHTY 4085	*16416*	Complex Cases	3	*NB: First offered in 2005.*	2
PHTY 4086	*16417*	Neurological Physiotherapy II	2	*NB: First offered in 2005.*	Full year
PHTY 4071	*164H2*	Advanced Manipulation Skills	1	P (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3036 (16337).	2
Stage total for Year 4:			48 credit points		

Table 14.2.1: Bachelor of Applied Science (Physiotherapy) Honours

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1689: Honours program; full-time, 4 years					
■ Years 1 and 2 As per Pass course					
■ Year 3 (first offered in 2004)					
BACH 2125	*252A0*	Maladaptive Behaviours and Behaviour Change	4	*NB: First offered in 2004.*	1
BACH 3043	*25341*	Research Statistics	2	A Windows Operating System. p Research Methods II: DataAnalysis BACH 2026 (2521F).	2
EXSS 3009	*22309*	Applied Physiology	5	c Body Systems III BIOS 3019 (11374).	Full year
PHTY 3029	*16330*	Cardiopulmonary Physiotherapy II	2	p Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224).	1
PHTY 3038	*16339*	Paediatrics	5	p Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Biomechanics EXSS 2008 (22208). c Neurological Physiotherapy I PHTY 3037 (16338), Cardiopulmonary Physiotherapy II PHTY 3029 (16330).	Full year
PHTY 3042	*16343*	Research for Physiotherapists	4		Full year
PHTY 3046	*16344*	Musculoskeletal Physiotherapy in	7	*NB: First offered in 2004.*	Full year
PHTY 3047	*16345*	Neurological Physiotherapy I	7	*NB: First offered in 2004.*	Full year
PHTY 3048	*16346*	Community and Occupational Physiotherapy	7	*NB: First offered in 2004.*	Full year
PHTY 3049	*16347*	Clinical Education III	9	*NB: First offered in 2004.*	2
PHTY 3050	*16348*	Exercise Management in Health and Disease	2	*NB: First offered in 2004.*	2
Stage total for Year 3:			54 credit points		
■ Year 4 (first offered in 2005)					
PHTY 4073	*164H4*	Clinical Education IVC II	9	P Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy PHTY 029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education rVD PHTY 4074 (164H5).	2
PHTY 4074	*164H5*	Clinical Education IVD	9	P Clinical Education ni PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	2
PHTY 4085	*16416*	Complex Cases	3	*NB: First offered in 2005.*	2
PHTY 4086	*16417*	Neurological Physiotherapy II	2	*NB: First offered in 2005.*	Full year
PHTY 4087	*16418*	Clinical Education IVHA	7	*NB: First offered in 2005.*	1
PHTY 4088	*16419*	Clinical Education IVHB	7	*NB: First offered in 2005.*	1
PHTY 4089	*164J0*	Honours Research Seminar	4	*NB: First offered in 2005.*	Full year
PHTY 4090	*16411*	Honours Thesis	12	*NB: First offered in 2005.*	Full year
PHTY 4091	*164J2*	Advanced Manipulation Skill	1	*NB: First offered in 2005.*	1
Stage total for Year 4:			54 credit points		

■ Clinical education

Clinical education provides students with the opportunity to complement the knowledge and skills acquired in the academic segments of the program. This is achieved through the assessment and treatment of patients in clinical sethngs under the supervision and guidance of clinical educators. Clinical education offers undergraduates the chance to integrate academic units and practical skills in a clinical sethng thereby gaining experience in physiotherapy practice.

During the undergraduate program students are allocated to one of five climcal schools. The five schools aligned with area health services are Northern Sydney, Central Sydney, Southeastern Sydney, Southwest Sydney and Western Sydney. For each school, rural areas and/or outer Sydney placements are incorporated as well as private practices and community facilities, which reside in the geographical regions designated to the particular school. Students complete clinical placements at sites within their clinical school. All students are required to do at least one rural placement. Students are allocated placements within their Clinical School including at least one rural placement. Opportunities may exist for senior students to elect to do an interstate or overseas placement depending on availability.

In order to undertake clinical education students must obtain a criminal record clearance letter. The NSW Department of Health now has a policy that requires all health care workers, including students who undertake training or fieldwork in the NSW health care system, to be subject to a criminal records check as a condition of gaining access to NSW Health Department facilities.

It is your responsibility to complete relevant forms and return them to the NSW Health Department. The forms are obtained from Student Services.

Once you receive your letter of clearance it is important that you keep it in a safe place. **Students are required to present the letter of clearance to the clinical units to which they have been assigned, and may not be allowed to commence the unit without producing this letter.**

If you have any enquiries regarding this process please contact Student Administration on (02) 9351 9574.

University of Sydney students undertaking 'child-related' placements as part of their course are also subject to the requirements of the NSW Child Protection (Prohibited Employment) Act.

Broadly, the purpose of the Act is to regulate the employment of 'prohibited persons' in 'child-related employment'. Under the Act a 'prohibited person' is a person who has committed a serious sex offence. 'Child-related employment' means employment, paid or unpaid, which involves direct contact with children, where that contact is not directly supervised. **The Act specifically includes persons undertaking practical training as part of an educational or vocational course within its definition of employment.**

Prior to undertaking any clinical placement, students must return a signed copy of the Prohibited Employment Declaration to Student Administration. Failure to do so may jeopardise any such placement and the fulfillment of course requirements.

New students will be provided with copies of the Declaration at enrolment. Copies may also be obtained by new and re-enrolling students from Student Administration, Cumberland.

It is also a requirement that all students obtain a certificate of competency in Cardiopulmonary Resuscitation (CPR). This must be completed and evidence of competency shown before commencing the first clinical placement in second year. For example, St John Ambulance programs on CPR are available through the metropolitan and country areas. Life-saving certificates of CPR competency will also be accepted.

Infectious diseases and their transmission between health care workers (including students) and patients or between patients and the health care worker are of concern to all those working in clinical sethngs. Participation in screening and vaccination according to the NSW Health Circular 2002/97 is a prerequisite for students for clinical placements in facilities of NSW Health. Failure to comply with the requirements may jeopardise completion of the student's studies. This circular is available on the Department of Health Web site at www.health.nsw.gov.au.

The NSW Health Circular requires that students obtain proof of their immunity status and/or be vaccinated against diphtheria, tetanus, pertussis, measles, mumps, rubella, chicken pox, hepatitis B, influenza and tuberculosis. Tuberculosis screening must be conducted at the students' local chest clinic. Proof of immunity or vaccination must be carried with you at all times when on placement in facilities of NSW Health and will be required prior to placement. NSW Health has provided an 'Adult Vaccination Record Card' for this purpose. As a full course of vaccinations may take several months to complete, NSW Health advises that students consult their local doctor well in advance of the commencement of clinical placements.

A specific number of clinical hours is required to ensure adequate chnical practice. Time missed from clinical placements must normally be made up, at the discretion of the Head of School. There is no set number of days, which can be missed. This is quite a separate issue from the achievements of the clinical objectives, which are assessed on each clinical. The make up of time is necessary since there is a requirement for registration as a physiotherapist that a certain amount of clinical practice be completed during the program.

The make up time is usually completed in weeks between semester 2 Exams and Christmas, and students are advised to take this into consideration before arranging holidays. Students in year 4 may be required to complete makeup time during the intersemester break.

Clinical practice dates

Year 2
14 July to 8 August
Year 3
11 August to 12 September
Year 4 Pass/Honours
28 April to 20 May
10 June to 11 July
22 September to 24 October
3 November to 5 December

Uniform requirements for clinical practice

- Navy tailored trousers (straight legs)
- White short sleeves open neck shirt or School of Physiotherapy polo shirt with University insignia (as supplied by the Student Guild)
- Black, or dark brown work shoes
- Navy cardigan/jumper
- Monotone coloured socks, either navy, black or white
- Approval for males and females to wear navy tailored long shorts is the clinical site's decision. It is the student's responsibility to get approval from the clinical site prior to wearing shorts. The clinical site's decision is final.
- Students with special consideration due to religious and or cultural circumstances can discuss changes to the uniform requirements with their clinical academic.

■ Units of study

BACH 1129 Foundations of Health Sociology

Old code 251A1.3 credit points. **Semester: 1. Assessment:** Class Essay 35% and Examination 65%.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1131 Foundations of Psychology for the Health Sciences

Old code 251A3.3 credit points. Ms Karen Pepper, Dr Chris Lennings. **Semester:** 1. **Classes:** On campus, 26 hours (2 hr lecture/week for 13 weeks). **Assessment:** 1000 word essay 50%, 1 hr MCQ examination 50%.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1142 Designing Health Research

Old code 251B4.3 credit points. Dr Zakia Hossain, Dr Rob Heard, Dr Kaye Brock. Semester: 1. **Classes:** On campus, 39 hours. **Assessment:** 1500 word qualitative data collection exercise (50%), 1500 word quantitative data collection exercise (50%),.

This unit is designed to introduce students to the practicalities of the research process in both qualitative and quantitative aspects. As well as an introduction to submission of an institutional ethics proposal and development of a research questionnaire, concepts of experimental validity, single case research and group experimental research are developed. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Students will elect to develop their skills in a selection of interview, survey, observational and epidemiological research designs, will be introduced as well as concepts of Database and literature review techniques will for the basis of and introduction to issues of reliability, validity, evidence-based practice, critical appraisal and program evaluation.

BACH 1145 Analysing Quantitative Health & Social Research

Old code 251B7.3 credit points. **Semester:** 2. **Assumed knowledge:** Basic mathematics. **Assessment:** 1000 word assignment (40%), 2 hour MC Examination (60%).

This unit introduces prospective health science practitioners and researchers to methods for exploring, analysing, understanding and interpreting quantitative data. It aims to provide an understanding of the main ideas of statistics and useful skills for working with data as well as to introduce students to common data analysis tools.

Methods for collecting, exploring and presenting data are discussed from the perspective of the practitioner. Graphical methods and descriptive statistics are emphasised throughout the unit and precede all analysis techniques. The normal and sampling distributions are introduced. The early emphasis in this unit will be placed on explaining; patterns in data, outliers and variability.

Random sampling in the context of randomised comparative experiments precedes an introduction to statistical inference for comparisons and relationships. Methods for parametric and non-parametric inference are introduced for one, two and multiple samples. The unit also introduces students to techniques of epidemiological data analysis and program evaluation.

Students will use data analysis software packages that are in common use in employment sethngs.

The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

BACH 1147 Analysing Qualitative Health & Social Research

Old code 251B9.3 credit points. **Semester:** 2. **Assessment:** 2 X 1500 word assignments (50% Each).

This subject introduces students to key elements in the design of qualitative research. The student will acquire skills in recognising research questions and problems which are appropriately investigated using qualitative methods. The unit will present a range of qualitative methodologies including naturalistic observation and in-depth interviews. Students will develop skills in recording and presenting qualitative data and in the use of analysis techniques suitable for qualitative data.

BACH 3043 Research Statistics

Old code 25341.2 credit points. Mr Michael Hough. **Semester:** 2. **Classes:** On campus 2 hours/week. **Assumed knowledge:** Windows Operating System. **Prerequisite:** Research Methods II: Data Analysis BACH 2026 (2521F). **Assessment:** Assignments.

This unit consolidates and extends statistical skills acquired in the previous unit. It provides the foundation for the statistics which may be used in the Honours research project. Topics to be covered include analysis of variance, multiple regression, non-parametric statistics and other selected topics. The unit includes extensive use of computer statistical packages (SPSS for Windows).

Practical: Computer statistical packages

Textbooks

SPSS Analysis Without Anguish. (1997). Coakes, S.J. & Stead, L.G. Brisbane: Wiley

BACH 3072 Sociology of Clients, Practitioners & Organizations

Old code 25370.2 credit points. Dr Zakia Hossain. **Semester: 1**. **Classes:** On-campus 13 lectures, 13 seminars. **Assumed knowledge:** Introduction to Health Sociology BACH 2027 (2521G) or equivalent. **Assessment:** 1 hour written examination 60%; Essay 40%.

This unit uses sociological perspectives to analyse key interpersonal and organisational aspects of therapy and work in health care sethngs. The focus will be on client-practitioner relationships and on the legislative and institutional context of work and health care provision.

Textbooks

Book of Readings.

BACH 4049 Health Policy and Service Delivery

Old code 25448.1 credit point. Dr Carol O'Donnell. Semester: 1. Classes: 7 hours of lectures. Prerequisite: Introduction to Health Sociology BACH 2027 (2521G). Assessment: Project (1000 words).

This unit provides an understanding of key aspects of the relationship between society, health and health service provision. It discusses Australian health policy and services and the importance of a holistic and preventative health care focus in Australian and international contexts.

Practical: Project

Textbooks

Various Web sites and policy books

No prescribed text

BACH 4051 Psychopathology and Behaviour Change

Old code 25450.2 credit points. Dr Liselotte Muhlen-Schulte. Semester: 1. Prerequisite: Introduction to Health Sociology BACH 2027 (2521G).

This unit of study has three modules. The first provides students with a general theoretical framework within which abnormal behaviour has been discussed in Western societies. It aims also to give students a broad introduction to adult and child symptoms and syndromes and a brief overview of a range of treatment approaches which are currently in use. The second module introduces students to a range of behaviour therapy techniques.

BIOS 1130 Molecules and Energy

Old code 111D7.4 credit points. Dr Margaret Bermingham. Semester: 1. Classes: On campus, 40 hours. Assumed knowledge: Basic chemistry. Assessment: Worksheets, mid semester exam, MCQ/short answer 20%; end semester exam, MCQ/ Short Answer 80%.

This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The material covered will form the basis for subsequent biomedical and professional units of study. It will set the scene for understanding key issues such as the basic chemical processes of life, how we produce and use energy, how energy production relates to health and disease and the transmission of genetic information. The topics considered include the principles of homeostasis, general cellular structure and function, introductory chemistry and biochemistry, membrane structure and function, cell metabolism, cell division, protein synthesis and genetics.

Textbooks

1. Bettlheim, F. A. and March, J. (2001) Introduction to General, Organic and Biochemistry, 6th edition, Harcourt College Publishers.
2. Seeley, R.R., Stephens, T.D. and Tate, P. (2003) Anatomy and Physiology, 6th Ed., McGraw Hill, Boston.

BIOS 1133 Body Systems: Structure and Function I

Old code 111E0.3 credit points. Dr Ann Murphy. **Semester: 2. Classes:** On campus, 33 hours. **Assumed knowledge:** Molecules and Energy BIOS 1130 (111D7). **Assessment:** Mid-Semester 20% (MCQ) and End Semester Exams 80% (MCQ Short Answers) + formative assessment with feedback.

This unit will present the gross anatomy, functional histology and physiology of the cardiovascular and respiratory systems. The material covered in this unit forms the foundation for subsequent biomedical and professional units of study. This unit includes laboratory classes at which human cadaveric material is studied. Attendance at such classes is strongly encouraged.

BIOS 1135 Functional Anatomy A

Old code 111E2.4 credit points. Dr Karen Ginn. **Semester: 1. Classes:** On campus, 41 hours. **Assessment:** Mid-Semester practical exam (25%); end semester practical exam (25%); end semester examination (50%).

This unit of study begins with an introduction to the study of anatomy with particular reference to the musculoskeletal system. A detailed study of the gross anatomical structure and functional anatomy of the upper limb will then be undertaken. In this unit of study we will also examine the histological features of the tissues of the musculoskeletal system, and examine the ways in which

some of these tissues are altered by varying activity states - eg, weight bearing versus non-weight bearing exercise versus bed rest. Material will be presented in lectures, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Atlas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publishers.

BIOS 1137 **Introductory Neuroscience**

Old code 111E4.3 credit points. Dr Alan Freeman. **Semester: 1. Classes:** On campus, 30 hours.

This unit introduces students to the basic structure and function of the nervous system. The physiological aspects of the unit cover the mechanisms of signal generation and transmission in the nervous system, spinal reflexes, the somatosensory and autonomic nervous systems, and the descending motor pathways. The anatomy component of the unit presents the basic structure of the spinal cord and the brain. The anatomy laboratory classes involve studies on human cadavers.

Practical: 10 hours

BIOS 1139 **Functional Anatomy B**

Old code 111E6.3 credit points. Ms Catherine Willis. **Semester: 2. Classes:** On campus, Anatomy of the lower limb 17 hours (8lect/9 prac); Anatomy of the vertebral column, thorax & pelvis 13 hours (7lect/6 prac). **Assumed knowledge:** Functional Anatomy A BIOS 1135 (111E2). **Assessment:** Intrasemester practical exam (35%), end semester exam (65%).

This unit of study begins with a detailed examination of the gross anatomical structure and functional anatomy of the lower limb. During the second half of the semester students will study the gross anatomy, and its functional applications, of the vertebral column thoracic cage and pelvis. Material will be presented in lectures, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Atlas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publisher.

BIOS 1143 **Functional Anatomy C**

Old code 111E9.3 credit points. Dr Karen Ginn. Semester: 2. Assumed knowledge: Functional Anatomy B BIOS 1139 (111E6). Assessment: Mid semester exam 35%, end semester exam (65%).

This unit of study includes an examination of the gross musculosketal structure and functional anatomy of the head and neck. Mechanical principles in relation to human movement will be explored. In addition the embryological development of the musculoskeletal system of relevance to physiotherapists will be examined. Material will be presented in lecturers, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Atlas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publisher.
3. An Introduction to the Analysis of Movement (2nd ed). Lee M. Zygal.

BIOS 2099 **Body Systems: Structure and Function II and Pharmacology**

Old code 112F4.4 credit points. Dr Patricia Woodman. **Semester: 1. Assumed knowledge:** Molecules and Energy BIOS 1130 (111D7). **Assessment:** Mid Semester exam 20% (MCQ and SAQ) and End Semester exam 80% (MCQ and SAQ) + formative assessment with feedback.

This unit will present the gross anatomy, functional histology and physiology of the renal, digestive, reproductive and endocrine systems, with particular reference to adaptations occurring during exercise and the impact of exercise on system function where appropriate. In addition, acid-base balance, pharmacology, immunology and immunological disorders will be covered.

BIOS 2103 **Neurosciences for Physiotherapists**

Old code 112F7.3 credit points. Dr John Burne. **Semester:** 2. **Classes:** On campus 45 hours. **Prerequisite:** Introductory Neuroscience BIOS 1137 (111E4). Assessment: Final Exam.

This subject provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Tissues from human cadavers will be studied and attendance at these classes is a subject requirement.

Textbooks

Reference list (no prescribed texts).

BIOS 3019 **Body Systems III**

Old code 11374.2 credit points. Dr Jennifer Lingard. **Semester:** 1. **Classes:** On campus 3-4 hours/week over 7 weeks. **Prerequisite:** Body Systems II BIOS 2037 (11286). **Assessment:** Final Exam.

This unit will present the anatomy and physiology of the endocrine and reproductive systems, general principles of pharmacology, and the pharmacology of relevant body systems.

EXSS 1002 Muscle Mechanics

Old code 22102.5 credit points. **Semester:** 2. **Classes:** On campus, Total hours 38,29 lecture hours, 5 practical hours and 4 tutorial hours. **Prerequisite:** Molecules and Energy BIOS 1130 (111D7) and Introductory Neuroscience BIOS 1137 (111E4). **Assessment:** 1 hr mid semester exam (25% of total marks) and a 2 hour end of semester exam (75% of total marks).

This unit provides students with an in-depth understanding of skeletal muscle as a biological 'machine' which generates force and movement. The unit examines the microscopic structure of muscle and the molecular basis of force production. The regulation of muscle force output is examined at the level of the motor unit and at a cellular level (excitation-contraction coupling). The relationships between muscle length, velocity and the capacity to develop force are explored. Additionally the functional outcomes of variations in myosin isoform, sarcomere number and arrangement, and variations in whole muscle architecture are examined. Structural and functional outcomes of alteration in contractile proteins resulting from conditions of disuse and increased use are also covered. This unit has a significant practical component.

Practical: 4 hours. This unit has a significant practical component

Textbooks

No required textbook, students recommended to obtain unit of study Manual

EXSS 2008 **Biomechanics**

Old code 22208.4 credit points. Mr Michael Lee. **Semester: 1. Classes:** 40 hours. **Assessment:** Mid semester written examination and End of semester written examination.

This unit has three parts. The first part covers the theory of dynamics with particular application to human bodies and follows on directly from the kinematics studied in Functional Anatomy A BIOS 1135(111E2) and Functional Anatomy B BIOS 1139 (111E6). The second part deals with the active and passive mechanical behaviour of body tissues while the third part considers specific applications of biomechanics of topics of interest to physiotherapists.

Textbooks

Dynamics of the Human Body. Lee, M. (1997) Sydney: Zygal.

EXSS 3009 **Applied Physiology**

Old code 22309.5 credit points. Dr Chin Moi Chow. **Semester:** Full year. **Classes:** February 26 hours/July 48 hours. **Corequisite:** Body Systems III BIOS 3019 (11374).

The aim of this unit is to provide students with an understanding of the responses that occur in men and women during exercise. This unit will build upon the principles and information provided in the earlier years of the program and will also attempt to provide students with an understanding of the exercise response in both healthy (eg, marathon runners) and diseased populations (eg, peripheral vascular disease patients). The approach will be integrative, with particular attention given to the regulation of the changes in the cardiovascular, respiratory, endocrine and metabolic systems during exercise.

PHTY1018 Introduction to Physiotherapy Practice

Old code 16118.3 credit points. Ms Vicki Williams. Semester: 1. Classes: On campus 36 hours. Assumed knowledge: None. Prerequisite: None. Corequisite: None.

This unit comprises two concurrent modules: the Physiotherapy Workplace and Teaching and Learning Skills. The module on the Physiotherapy Workplace is a lecture series, in which students are introduced to broad and specific issues and practices in health care delivery affecting physiotherapists. Coverage includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment, and the principles and process of professional documentation. The Teaching and Learning Skills module is presented in the format of workshops and seminars. With the focus on the future physiotherapy professional, the module aims to foster the development of the student as an ongoing and autonomous learner, and as a future teacher of clients, fellow health professionals and the lay community. There is also an emphasis on the development of skills in writing, in the delivery of oral presentations, in interviewing, and in teamwork and communication. Throughout the semester links are made between the two modules, to assist the student to think and act as a physiotherapist.

PHTY 1020 Clinical Observation and Measurement

Old code 16120.4 credit points. Ms Angela Stark. Semester: 1. Classes: On campus, 39 hours. Corequisite: Functional Anatomy A BIOS 1135 (111E2).

This unit provides students with a broad overview of normal movement. Students learn to observe and measure movement using methods that are suitable for clinical application. The importance of measurement is emphasised and the validity and reliability of different procedures are studied. There are three modules. The first, observation, includes identification of the essential components of balanced sithng and standing, standing up and sithng down, walking and running, reaching and manipulation, breathing and speaking. The second, measurement, includes using procedures to quantify movement, joint range of motion and strength. The third, mechanics, introduces the important concepts of mechanics applied to normal human movement.

PHTY 1021 Motor Performance and Learning

Old code 16121.4 credit points. Dr Roger Adams, A/Prof Nick O'Dwyer. Semester: 2. Classes: On campus, 38 hours. Prerequisite: Foundations of Psychology for the Health Sciences BACH 1131 (251 A3).

This unit of study consists of 3 modules. The first examines aspects of the perceptual-motor system that underpin motor performance such as capacity limitation, automaticity, lateralisation, arousal and stress, vision and kinesthesis. The second examines features of the learning environment that can be manipulated to promote motor learning such as feedback, goals, motivation, instruction, and practice conditions. The third examines the application of these features of the learning environment, and includes a project in which a motor skill is trained.

Textbooks

Magill R (2000) (6th ed). Motor learning: concepts and applications. McGraw-Hill: New York

PHTY 1022 Foundations of Musculoskeletal Physiotherapy

Old code 16122.6 credit points. Mark Hancock. Semester: 2. Classes: On campus, 97 hours. Prerequisite: Clinical Observation and Measurement PHTY 1020 (16120), Functional Anatomy A BIOS 1135 (111E2). Corequisite: Functional Anatomy B BIOS 1139 (111E6), Functional Anatomy C BIOS 1143 (111E9).

This unit aims to introduce students to musculoskeletal physiotherapy practice. Students will study the pathphysiology and management of bone and selected soft tissue injuries. Cognitive and practical skills required in assessment, treatment and clinical decision making in musculoskeletal conditions will be taught at an introductory level. Students will learn to take a history, perform selected physical examination techniques and integrate this information to plan treatment. Opportunities will be provided for students to develop basic knowledge and skills in safe and effective use of a range of treatment modalities. The efficacy of these treatment modalities will also be explored. Treatment modalities covered include conductive heating and cooling, ultrasound, pressure therapy, bandaging, soft tissue massage, joint mobilisation, stretching and strengthening. A case study based approach will be used to integrate knowledge and assist in the development of clinical reasoning and problem solving skills.

Textbooks

Low, J. and Reed, A. (2000). Electrotherapy Explained: Principles and practice. (3rd ed.). London: Butterworth-Heinemann

Magee, D.J. (2002). Orthopaedic Physical Assessment (4th ed.). Philadelphia: W.B. Saunders.

PHTY 2039 Cardiopulmonary Physiotherapy I

Old code 16239.5 credit points. Ms Carolyn Gates. Semester: Full year. Classes: Semester 1:30 hours, Semester 2:24 hours. Prerequisite: Body Systems: Structure and Function I BIOS 1133 (111E4).

Semester 1: 3 credit points, Semester 2: 2 credit point.

This unit will introduce students to the knowledge, skills and clinical decision making process necessary for effective assessment and management of patients with respiratory and cardiac dysfunction. In particular, students will evaluate the pathophysiological consequences of abdominal, thoracic and cardiac surgery, infective and inflammatory conditions and airflow limitation on pulmonary function and impaired cardiac function on the cardiovascular performance. Additionally, students will develop treatment strategies to effectively manage respiratory and cardiac problems. There will be an emphasis on preventative management and the unit will provide students with an opportunity to apply, integrate and extend knowledge gained in year 1 Biological Sciences, Clinical Observation and Measurement, and Foundations of Musculoskeletal Physiotherapy.

Textbooks

Pryor and Prasad (2002). Physiotherapy for Respiratory and Cardiac problems. (3rd ed). Churchill Livingstone.

PHTY 2040 Musculoskeletal Physiotherapy II

Old code 16240.10 credit points. Mr Andrew Leaver. Semester: Full year. Classes: Semester 1:76 hours/Semester 2:22 hours. Prerequisite: Functional Anatomy B BIOS 1139 (111E6), Foundations of Musculoskeletal Physiotherapy PHTY 1022 (16122).

Semester 1: 7 credit points, Semester 2: 1 credit point

This unit aims to equip students with the necessary cognitive and practical skills to assess and manage patients with selected problems of the peripheral musculoskeletal system. Areas covered include clinical assessment, clinical decision making, philosophy and guidelines for treatment and clinical measurement for various conditions affecting the foot, ankle, knee, hip, shoulder, elbow and hand regions. Specific therapeutic modalities taught include remedial exercise prescription, manual therapy skills (selected peripheral mobilisation techniques and soft tissue stretching), hydrotherapy, orthotics and strapping and bracing. Other topics include pain management, peripheral nerve injuries, osteoporosis and health promotion, sports injuries, pharmacology for physiotherapists and rheumatology.

Textbooks

1. Magee, D.J. (1997). Orthopaedic Physical Assessment. 3rd Edition. Philadelphia: W. S Saunders
2. Brukner, P. and Khan, K. (2001). Clinical Sports Medicine (2nd ed) McGraw Hill Sydney

PHTY 2041 Electrophysical Agents

Old code 16241.4 credit points. Ms Karyn Whelan. Semester: 1. Classes: 47 hours. Assumed knowledge: Clinical Observation and Movement PHTY 1020 (16120), Functional Anatomy A BIOS 1135 (111E2), Functional Anatomy B BIOS 1139 (111E6), Functional Anatomy C BIOS 1143 (111E9). Prerequisite: Foundations of Musculoskeletal Physiotherapy PHTY 1022 (16122).

This unit continues the study of electrophysical modalities used in clinical practice for symptom reduction and neuromuscular improvement. The topics studied include shortwave diathermy, electrical stimulation, and surface electromyographic biofeedback. Safety issues are emphasised throughout this unit. Emphasis is also placed on communication skills development, which is considered an integral part of quality health management. In order to pass this unit, a satisfactory standard must be achieved in the practical component.

Textbooks

Low, J. and Reed, A. Electrotherapy Explained: Principles and Practice. (3rd ed). (2000), London: Butterworth - Heinemann

PHTY 2042 Ethical Physiotherapy Practice

Old code 16242.2 credit points. Dr Elizabeth Ellis. Semester: 2. Classes: 26 hours. Corequisite: Clinical Education I PHTY 2043 (16243) or Clinical Education II PHTY 2044 (16244).

In undertaking this unit of study students will explore the Australian Physiotherapy Association Professional Code of Ethics and the application of this code in clinical decision making within specific professional and bioethical contexts. The importance of communication and respect for cultural differences in professional conduct is also addressed. The

responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of 2001 and by other health acts; the meaning of professional misconduct will also be examined. In addition, students will examine the links between social justice and health care policy and the distributive law and resources allocation within health.

PHTY2043 Clinical Education I

Old code 16243.6 credit points. Ms Carolyn Gates. Semester: 2. Classes: 140 hours off-campus plus occasional on-campus classes. Corequisite: Cardiopulmonary Physiotherapy I PHTY 2039 (16239), Musculoskeletal Physiotherapy II PHTY 2040 (16240), Electrophysical Agents PHTY 2041 (16241).

The aim of this unit is to provide an opportunity for the student to develop a broad understanding of the provision of physiotherapy services in healthcare sethngs. Students may be placed in one of many healthcare sethngs such as public hospitals and community facilities. Communication skills development is an integral part of this unit. In addition, the emphasis of the placement is on safety in patient handling, on aspects of examination, on the analysis of information gained from the examination and on the implementation of a treatment program.

PHTY 2044 Clinical Education II (Community Fieldwork)

Old code 16244.4 credit points. Ms Cheryl Hobbs. Semester: 2. Classes: 85 hours off-campus practical work plus 20 hours self-directed learning. Corequisite: Ethical Physiotherapy Practice PHTY 2042 (16242).

This unit of study aims to develop in students a better understanding of the healthcare system and an appreciation of the diversity of healthcare delivery. Community Fieldwork will provide students with an opportunity to create conditions conducive to independent learning. This is consistent with the University of Sydney's Generic Attributes Policy. Students will be able to investigate a particular area of interest, within the community healthcare sethng.

PHTY 3029 Cardiopulmonary Physiotherapy II

Old code 16330.2 credit points. Ms Lyndal Maxwell. Semester: 1. Classes: 24 hours. Prerequisite: Body Systems II BIOS 2037 (11286), Cardiopulmonary Physiotherapy I PHTY 2020 (16224).

The aim of this unit is to continue to develop knowledge and skills in the assessment and management of patients with cardiopulmonary dysfunction. Students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective treatment management of intubated and non intubated patients in respiratory failure.

Textbooks

Oh T.E. (1997). Intensive Care Medicine, (4th ed). Sydney: Butterworth-Heinemann (recommended text)

PHTY 3036 Musculoskeletal Physiotherapy III

Old code 16337.7 credit points. Dr Jane Latimer. Semester: Full year. Classes: Semester 1:70 hours, Semester 2:16 hours. Prerequisite: Musculoskeletal Physiotherapy 11 PHTY 2031 (16235).

Semester 1: 6 credit points, Semester 2: 1 credit point.

This unit aims to develop the cognitive and practical skills needed to manage, at a basic level, patients presenting with selected musculoskeletal disorders of the vertebral column. Students will apply the principles of assessment and management learnt in Musculoskeletal Physiotherapy I and Musculoskeletal Physiotherapy II, to selected musculoskeletal disorders of the vertebral column. As in earlier musculoskeletal physiotherapy units, the emphasis is on evidence-based practice with students exposed to a range of physiotherapy management options for spinal pain, such as manual therapy and various forms of exercise plus the medical options for spinal pain. A small module on chronic pain is included in the unit.

Textbooks

Waddell, G. (1998). The Back Pain Revolution. Edinburgh: Churchill Livingstone

PHTY 3037 Neurological Physiotherapy I

Old code 16338.6 credit points. Dr Louise Ada. Semester: Full year. Classes: Semester 1:52 hours, Semester 2:24 hours. Prerequisite: Neurobiology II BIOS 2038 (11287). Corequisite: Subject to approval of Academic Advisor.

Semester 1: 5 credit points, Semester 2: 1 credit point.

Neurological Physiotherapy aims to develop in students an ability to apply relevant theoretical and data-based scientifc findings to clinical practice in the area of movement dysfunction associated with disease and trauma to the nervous system. This unit introduces the impairments and disability arising from brain damage of acute onset using examples such as stroke and brain injury. Impairments such as weakness, loss of dexterity, loss of sensation, ataxia and spasticity as well as adaptations to these impairments such as the development of contracture will be studied. Students will learn to assess, train and measure outcome of everyday activities such as standing up, balancing in sithng and standing, walking, reaching and manipulating objects with the hand, rolling over and gethng out of bed, and swallowing. The contribution of other health professionals to the rehabilitation process is addressed. Analysis of the rehabilitation environment and strategies to increase the amount of practice carried out will be covered. The unit also examines the theoretical basis for clinical intervention encompassing a historical perspective of neurological rehabilitation.

PHTY 3038 Paediatrics

Old code 16339.5 credit points. Ms Jane Butler, Ms Genevieve Dwyer. Semester: Full year. Classes: Semester 1:37 hours, Semester 2:25 hours. Prerequisite: Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Musculoskeletal Physiotherapy II PHTY 2031 (16235), Biomechanics EXSS 2008 (22208). Corequisite: Neurological Physiotherapy I PHTY 3037 (16338), Cardiopulmonary Physiotherapy II PHTY 3029 (16330).

Semester 1: 3 credit points, Semester 2: 2 credit points.

The aim of this unit of study is to prepare the student as a competent entry-level practioner in the area of paediatric physiotherapy. The student will become aware of the changes which occur from infancy through to adulthood in neuromotor, musculoskeletal and cardiopulmonary development and will address issues related to assessment and training strategies in children with potential dysfunction in these systems. The emphasis of this unit of study is focussed on the process of problem solving for paediatric clinical problems. Over the two semesters, students will be presented with 5 problem case studies (modules) each of 3 weeks duration.

Content in this unit of study will be presented in a problem-based learning format. The learning approach in Paediatrics will emphasise the importance of teamwork that will prepare you for the health care sethng. The unit of study will provide opportunity for students to incorporate information gained from other units of study such as Kinesiology, Neurological Physiotherapy, Musculoskeletal Physiotherapy, Cardiopulmonary Physiotherapy, Ethical Physiotherapy Practice, Biomedical and Behavioural Sciences, in order to achieve the learning outcomes of each problem case.

Textbooks

PHTY 3039 Community and Occupational Physiotherapy

Old code 16340.4 credit points. Mr Martin Mackey. Semester: Full year. Classes: Semester 1:28 hours, Semester 2:24 hours. Corequisite: Body Systems III BIOS 3019 (11374), Musculoskeletal Physiotherapy III PHTY 3036 (16337).

Semester 1: 2 credits points, Semester 2: 2 credits points.

This unit examines three major primary health care issues that are pertinent to physiotherapy practice. These are health promotion, occupational health and gerontology. The principles and practice of health promotion are explored within a community based framework, with a specific reference to the well elderly, and are applied to the role of the physiotherapist's contribution in a number of healthcare areas including, for example: elderly people with disease and/or disability; pregnant women; people with burn injuries, especially children, people with amputations, with HIV/AIDS, diabetes, mental illness and Aboriginal health issues pertinent to physiotherapy. The theory and practice of infection control are addressed. Other issues that are examined are those that are important in the provision of a professional physiotherapy service, which include marketing and business and quality management.

(Semester 2 covers the modules health promotion, ergonomics and occupational health). Semester 1 covers the modules: gerontology, special populations, infection control, marketing and business and quality management.

PHTY 3040 Exercise and Health

Old code 16341.2 credit points. Dr Jennifer Alison. Semester: 2. Classes: 24 hours. Prerequisite: Cardiopulmonary Physiotherapy I PHTY 2020 (16224), Body Systems II BIOS 2037 (11286). Corequisite: Applied Physiology EXSS 3009 (22309).

This unit further develops student's knowledge of exercise, and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise. There will be further scope to apply the principles of

exercise training to patient groups with various medical disorders and to the normal population to promote health.

PHTY 3041 Clinical Education III

Old code 16342.13 credit points. Ms Angela Stark. Semester: 2. Classes: 175 hours off-campus plus occasional on-campus classes. Prerequisite: Clinical Education I PHTY 2033 (16237), Electrophysical Agents II PHTY 2027 (16231), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III. Corequisite: Neurological Physiotherapy I PHTY 3037 (16338), Musculoskeletal Physiotherapy III PHTY 3036 (16337).
This unit of study will involve clinical placement in one of the following areas: musculoskeletal, neurology, cardiopulmonary or elective. Students will build on experience gained in Clinical Education I. They will be expected to demonstrate an increased ability in the management of patients (assessment, treatment and evaluation). In addition, professional practices will be emphasised.

PHTY 3042 Research for Physiotherapists

Old code 16343.4 credit points. Dr Sharon Kilbreath. Semester: Full year. Classes: Semester 1:70 hours, Semester 2:16 hours. Semester 1: 3 credit points, Semester 2: 1 credit point.

Research for Physiotherapists builds on previous knowledge of research methods. Students develop skill in evaluating research models used for research in the area of physiotherapy. Specifically, this unit enables students to evaluate the suitability of assumptions made in physiotherapy related research, to evaluate design strategies used and their appropriateness for the research undertaken and to design and evaluate effective sampling procedures for a particular research project.

PHTY 4066 Clinical Education IVA

Old code 164G7.9 credit points. Ms Cheryl Hobbs. Semester: 1. Classes: 175 hours off-campus plus occasional on-campus classes. Prerequisite: (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: (except Singapore courses) Students failing Musculoskeletal Physiotherapy in are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, IVC or IVD.

PHTY 4067 **Clinical Education IVB**

Old code 164G8.9 credit points. Dr Catherine Dean. Semester: 1. Classes: 175 hours off-campus plus occasional on-campus classes. Prerequisite: (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, TVB, TVC or IVD.

PHTY 4068 Evidence-Based Practice

Old code 164G9.3 credit points. Dr Robert Herbert. Semester: Full year. Classes: Semester 1:26 hours, Semester 2:26 hours. Prerequisite: (except Singapore courses) Research Methods I: Design BACH 1026 (2511F), Research Methods II: Data Analysis BACH 2026 (2521F). Semester 1: 1 credit point, Semester 2: 2 credit points.

In this unit students will learn how clinical research can guide clinical practice. Students will learn to find and critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists, and how to apply that information to individual patients.

Textbooks

Sachett, D. L. et al. (2000). Evidence-based Medicine. (2nd ed). - \ . ■ Churchill-Livingstone

PHTY 4069 Complex Cases

Old code 164H0.2 credit points. Ms Virginia Fowler, Ms Lyndal Maxwell. Semester: Full year. Classes: Semester 1:21 hours, Semester 2:15 hours. Prerequisite: (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Musculoskeletal Physiotherapy III PHTY 3036 (16337), Neurological Physiotherapy I PHTY 3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341).
Semester 1:1 creditpoint, Semester 2: 1 creditpoint.

The aim of this unit of study is to enable students to develop their skills in analysing and planning management of patients with multi-system and/or complex problems. Students are required to integrate material from core areas of musculoskeletal, cardiopulmonary, neurological and paediatric physiotherapy. The unit of study involves in-depth discussion of a small number of case studies in tutorials. The case-studies are changed each year to enable a range of clinical practice to be studied in detail. Lectures provide extra information to the cases under discussion.

PHTY 4070 Elective

Old code 164H1.2 credit points. Dr Colleen Canning. Semester: Full year. Classes: Variable depending on the nature of elective unit . . . .
Students negotiate an approved elective, either from within the School of Physiotherapy or from another School or Department in the Faculty of Health Sciences or the wider University. The School of Physiotherapy will offer a number of electives which will run as independent learning or semi-independent learning units. Students are not permitted to enrol in units for which attendance and/or assessment requirements conflict with Clinical Education syllabus. Students must have completed Clinical Education in before taking an elective offered by the School of Physiotherapy.

PHTY 4071 Advanced Manipulation Skills

Old code 164H2.1 credit point. A/Prof Kathryn Refshauge. Semester: 2. Classes: 16 hours. Prerequisite: (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3036 (16337)..
Advanced Manipulation Skills aims to further advance student's ability to employ evidence-based practice in the management of musculoskeletal conditions of the periphery and the spine. Students study practical and theoretical aspects of manipulative physiotherapy to encourage integration of selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. Students evaluate the efficacy of advanced manipulative procedures, and the mechanisms of effect where known. Students also practice the application of advanced manipulative procedures including manipulation of selected peripheral and spinal joints. Students thus practice and evaluate a range of strategies to decrease pain and impairment and to improve function in patients with acute, sub-acute and chronic pain. The roles of other health professionals in management of musculoskeletal conditions are also examined, including exposure to the chiropractic perspective in managing musculoskeletal conditions.

Textbooks

Refshauge and Gass, (1995). Musculoskeletal Physiotherapy Clinical Science and Practice. Butterworth-Heinedown

PHTY 4072 Neurological Physiotherapy II

Old code 164H3.1 credit point. Dr Colleen Canning. Semester: 2. Classes: 18 hours. Prerequisite: (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338).
This unit introduces the impairments and disability arising from long-term conditions of the nervous system such as Guillain Barre' syndrome, motor neuron disease, traumatic spinal cord injury, Parkinson's disease and multiple sclerosis. The relation between the pathology and prognosis of these conditions will be examined. Students will learn to plan, implement and evaluate therapeutic intervention for individuals with long-term conditions of the nervous system.

PHTY 4073 Clinical Education IVC

Old code 164H4.9 credit points. Dr Catherine Dean. Semester: 2. Classes: 175 hours off-campus plus occasional on-campus classes. Prerequisite: Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).
The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and

musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy in are precluded from undertaking the Musculoskeletal Module of Clinical Education rVA, IVB, IVC or IVD.

PHTY 4074 **Clinical Education IVD**

Old code 164H5.9 credit points. Ms Cheryl Hobbs. Semester: 2. Classes: 175 hours off-campus plus occasional on-campus classes. Prerequisite: Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education I VA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5). The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: Students failing Musculoskeletal Physiotherapy ITJ are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, IVC or IVD.

PHTY 4075 **Clinical Education IVHA**

Old code 164H6.9 credit points. Ms Angela Stark. Semester: 1. Classes: 140 hours off-campus plus occasional on-campus classes. Prerequisite: Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4075 (164H6), Clinical Education IVHB PHTY 4076 (164H7), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal unit. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to PHTY 4066 (164G7) Clinical Education IVA.

PHTY 4076 **Clinical Education IVHB**

Old code 164H7.9 credit points. Ms Carolyn Gates. Semester: 1. Classes: 140 hours off-campus plus occasional on-campus classes. Prerequisite: Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4075 (164H6), Clinical Education IVHB PHTY 4076 (164H7), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5). The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. This unit is equivalent in content to PHTY 4067 (164G8) Clinical Education IVB.

PHTY 4077 **Honours Research Seminar**

Old code 164H8.5 credit points. Dr Adrienne Hunt. Semester: Full year. Classes: Semester 1:21 hours, Semester 2:15 hours. Corequisite: Honours Thesis PHTY 4083 (164I4).
Semester 1: 3 credit points, Semester 2: 2 credit points.

The aim of this unit is to develop students' skills required to present orally their research project and to produce their thesis. This unit supports Honours students with their ongoing research. It is intended that students will develop their presentation abilities, their critical analysis skills and their understanding of the research process.

PHTY 4083 **Honours Thesis**

Old code 16414.12 credit points. Dr Sharon Kilbreath. Semester: Full year. Corequisite: Honours Research Seminar PHTY 4077 (164H8).
Semester 1: 5 credit points, Semester 2: 7 credit points.

This unit provides Honours students with the opportunity to undertake a supervised research project in an area of physiotherapy. As part of this and other Honours units, each student will design and implement an approved research project and submit a thesis describing the project and its implications. While completing their project, each student will work closely with their supervisor.

15 Yooroang Garang: School of Indigenous Health Studies

Yooroang Garang: School of Indigenous Health Studies was established in February 1999. The Schools' vision is to facilitate improvements in Indigenous health and well being through innovation and excellence in teaching and research. The School provides education in Indigenous health and community development for a range of health professionals at the undergraduate and postgraduate levels, and conducts and supervises research in Indigenous community health. The School also offers a comprehensive academic support program for Indigenous students enrolled in or preparing to undertake professional courses in allied health.

Central to the School's philosophy and curriculum is a focus on the health and community development needs of Aboriginal and Torres Strait Islander people. The School adopts a multidisciplinary approach to teaching and learning in the health sciences in order to prepare students for the very broad range of future employment opportunities available to graduates, include ing those areas required by most Aboriginal health workers: primary health care, health promotion, health education, community development, drug and alcohol, women's and men's health services, health policy, and program planning and evaluation. A number of important principles underlie the courses offered by the School including, promoting social justice, building community capacity, enhancing cultural understanding, developing Indigenous health professionals as agents of change, learning from the Indigenous community, adopting ethical approaches to professional practice in Indigenous health, and developing skills in ethical research in Indigenous health.

The Bachelor of Health Science (Aboriginal Health and Community Development) is an innovative program designed to provide students with maximum recognition of prior learning and flexible course options (entry and exit points). The course is offered in block-study mode to facilitate access for Indigenous students from rural and remote areas. The course is taught in two stages. The first stage (years one and two), incorporating the Diploma of Health Science, provides a broad foundation in the field of Aboriginal health and community development. Students are introduced to various disciplinary perspectives, including biomedical and behavioural sciences, health research, as well as social and historical perspectives on Indigenous health. The second stage of the course (years three and four) enables students to elect an individual program of study. Students may choose to specialise in one of four specialist streams (Research, Indigenous Mental Health and Counselling, Primary Health Care, Health Policy, Planning and Management) or to choose individual units of study best suited to the needs of their workplace, community and individual interests. All students are required to complete core units of study in research, project development and evaluation and professional practice.

The Bachelor course incorporates a number of features designed to facilitate flexible learning options. These include a special admissions policy for Indigenous students, block mode delivery, articulation with other tertiary and accredited providers, third year entry to the Bachelor degree, mid-year entry, block credit transfer for units undertaken in other institutions and recognition of prior learning. The School also facilitates community based and independent learning, which it is developing through a variety of media. The third year entry also allows graduates of other tertiary courses in Education, Community Management, Social Welfare and Aboriginal Studies to complete an undergraduate degree in health sciences.

The School offers two enabling programs specifically for Indigenous students: The Aboriginal Health Science Preparatory Program is undertaken prior to formal enrolment in an undergraduate program, and the Aboriginal Health Science Support Program provides a 'reduced load' option making it possible for students to undertake the first year of their undergraduate program over two years.

Further course information about the School's programs may be obtained from the School on (02) 9351 9393.

■ Bachelor of Health Science (Aboriginal Health and Community Development)

Aboriginal Health and Community Development is a specialised field of community and health work. It involves the identification of health and health-related problems and the solutions to these problems within the context of the broader socio-economic development of Aboriginal communities. Community participation and initiative are strongly emphasised.

Graduates from this course will be equipped to develop programs which meet the health and community development needs of Aboriginal people. They may work with specific client groups (such as in drug and alcohol or women's health services) or in broader health and community fields. Employment opportunities also exist in Aboriginal identified positions in health and community centres, in health promotion and education, and in a range of community development roles.

The Bachelor of Health Science (Aboriginal Health and Community Development) course is offered in a four year program. It is a full-time block attendance program.

Admission requirements

There are no specific prerequisites to the Bachelor of Health Science (Aboriginal Health and Community Development) course. The general admission requirements in chapter 3 apply. Applicants may be required to attend the Faculty for an interview.

Course outlines

The course outlines for the Bachelor of Health Science (Aboriginal Health and Community Development) Pass and Honours courses are presented in Table 15.1.

Unit descriptions

Unit descriptions for course code 0780 year 1 and year 2 are as for the Diploma, and are listed at the end of this chapter.

Honours program

For information specific to the Honours Program in Aboriginal Health and Community Development students are advised to contact the Course Coordinator in Yooroang Garang.

Table 15.1: Bachelor of Health Science (Aboriginal Health and Community Development) Pass

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 0780: Pass course; full-time, 4 years, block attendance, plus off-campus					
■ Year 1					
AHCD 1028	*07177*	Perspectives in Indigenous Health I	6		1
AHCD 1029	*07179*	Communication Studies I	6		.1
AHCD 1030	*07180*	Primary Health Care I	6		1

Table 15.1: Bachelor of Health Science (Aboriginal Health and Community Development) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
AHCD 1031	***07181***	Community Development I	6		2
AHCD 1032	***07182***	Introduction to Counselling Skills	6		2
AHCD 1035	***07185***	Professional Practice I	6		2
AHCD 1036	***07126***	Alcohol and Other Drugs I	6		2
BIOS 1076	***11184***	Biological Sciences I	6		1
Stage total for Year 1:			**48** credit points		
■ **Year 2**					
AHCD 2013	***07260***	Perspectives in Indigenous Health II	6		2
AHCD 2015	***07262***	Primary Health Care II	6		2
AHCD 2016	07265	Community Development 11	6		1
AHCD 2020	***07267***	Professional Pratice 11	6		1
AHCD 2021	***07268***	Alcohol and Other Drugs II	6	P Alcohol and Other Drugs I AHCD 1036 (07126).	1
AHCD 2022	***07269***	Introduction to Health Research	6		2
BACH 2133	***252B5***	Health and Human Behaviour	6		1
BIOS 2090	***112E5***	Biological Sciences II	6		2
Stage total for Year 2:			**48** credit points		
■ **Year 3**					
AHCD 3008	***07342***	Indigenous Community Health Project A	6		2
AHCD 3009	***07343***	Professional Practice III	6		2
AHCD 3015	***07349***	Indigenous Health Research	6		1
Research elective			Semester 2 credit points: 6.		
Pass students will choose one Research elective in Year 3 selected from the Research stream (see list below).					
Electives (see note 1)			Semester 1 credit points: 18. Semester 2 credit points: 6.		
Stage total forYear 3:			**48** credit points		
■ **Year 4**					
AHCD 4001	***074B5***	Indigenous Community Health Project B	6	A Knowledge of project planning. p Completion of Indigenous Community Health Project A AHCD 3008 (07342).	1
AHCD 4002	***074B6***	Professional Practice TV	12		2
Electives (see note 1)			Semester 1 credit points: 18. Semester 2 credit points: 12.		
Stage total forYear 4:			**48** credit points		

■ **Note**

1. Pass students will choose four electives in Year 3 and 5 electives in Year 4. All elective units are presented in related streams as outlined in the elective list. Students may choose to specialise by selecting all electives from one stream, or may select across streams. Students may choose electives from other Schools to a maximum of 3 units of study.

Electives

Electives are 6 credit points each, offered subject to sufficient demand and staff availability

■ **Counselling and Indigenous Mental Health stream**					
AHCD 3010	***07344***	Counselling for Grief and Loss	6		1,2
AHCD 4011	***07405***	Family Therapy	6	A Introduction to Counselling Skills AHCD 1032 (07182) or equivalent.	1,2
AHCD 4020	***07414***	Group Processes and Counselling	6		1,2
AHCD 4028	07422	Alcohol and other Drugs Counselling	6		1,2
AHCD 4030	***07423***	Issues in Indigenous Mental Health	6		1,2
AHCD 4040	***07433***	Addictions Counsellling	6	A Introduction to Counselling Skills AHCD 1032 (07182) or equivalent.	1,2
AHCD 4041	***07434***	Counselling with Art Therapy	6		1,2
AHCD 4042	***07435***	Wellness	6		1,2
B Indigenous Community Development and Management stream					
AHCD 4015	***07409***	Health Computing	6		1,2

Table 15.1: Bachelor of Health Science (Aboriginal Health and Community Development) Pass (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
AHCD 4017	*07411*	Community Development **in**	6		1,2
AHCD 4019	*07413*	Community Development IV	6		1,2
AHCD 4026	*07420*	Health Management Theory	6		1,2
AHCD 4031	*07424*	Health Management Practice	6		1,2
AHCD 4032	*07425*	Health Planning, Policy and Evaluation A	6		1,2
AHCD 4044	*07437*	The Health Worker and the Law	6		1,2
AHCD 4045	*07438*	Indigenous Health Information Management	6		1,2
AHCD 4050	*07443*	Health Planning, Policy and Evaluation B	6	P Health Planning, Policy and Evaluation I AHCD 4032 (07425).	1,2
AHCD 4053	*07446*	Human Rights and Social Justice	6		1,2
■ **Indigenous Environmental Health and Housing stream**					
AHCD 4024	*07418*	Housing and Environmental Health	6		1,2
AHCD 4048	*07441*	Issues in Housing and Environmental Health	6		1,2
AHCD 4051	*07444*	Indigenous Health and Housing	6		1,2
■ **Primary Health Care and Health Promotion stream**					
AHCD 4010	*07404*	Perspectives in Indigenous Health IV	6		1,2
AHCD 4013	*07407*	Nutrition and Lifestyle	6		1,2
AHCD 4014	*07408*	Contemporary Issues in Health, Law & Medicine	6		2
AHCD 4022	*07416*	Health Promotion of Indigenous Communit B	6	P Health Promotion for Indigenous Community A AHCD 4034 (07427). **c** Could be taken with Health Promotion for Indigenous Communities C AHDC 4023 (07417).	2
AHCD 4023	*07417*	Health Promotion for Indigenous Communit C	6	p Health Promotion for Indigenous communities A AHCD 4034 (07427) and B AHCD 4022 (07416). **c** Could be taken with Health Promotion for Indigenous Communities B AHCD 4022 (07416).	2
AHCD 4033	*07426*	Perspectives in Indigenous Health III	6		1,2
AHCD 4034	*07427*	Health Promotion of Indigenous Communities A	6		1,2
AHCD 4035	*07428*	Primary Health Care III	6		1,2
AHCD 4036	*07429*	Art & Media in Indigenous Hlth Promotion	6		1,2
AHCD 4046	*07439*	Early Disease Intervention A	6		1,2
AHCD 4047	*07440*	Early Disease Intervention B	6		1,2
AHCD 4049	*07442*	Skills for Teaching Health	6		1,2
BIOS 3046	*113A1*	Biological Sciences III	6		1,2
BIOS 3051	*113A4*	Biological Sciences IIIA	6		1
■ **Research stream**					
AHCD 3016	*07350*	Writing a Research Prosposal	6		2
AHCD 4007	*07401*	Epidemiology	6		1,2
AHCD 4016	*07410*	Participant Observation and Ethnography	6		1,2
AHCD 4018	*07412*	Action Research	6		1,2
AHCD 4038	*07431*	Quantitative Research Methods	6		1,2
AHCD 4039	*07432*	Oral History	6		1,2
BACH 4052	*25451*	Social Research	6		1,2

■ Diploma of Health Science (Aboriginal Health and Community Development)

The Diploma of Health Science (Aboriginal Health and Community Development) is open to Aboriginal people. It is conducted in block mode over 2 years. Students attend compulsory on-campus residentials six times a year as well as completing two weeks of field placements each year.

Admission requirements

In general the kind of applicant sought is one with an appropriate life experience, motivated to work effectively with Aboriginal communities and possessing those personal attributes required to liaise with government departments and community agencies.

Applicants should be Aboriginal and have a background in at least one of the following areas:

Work Experience - Employment over a period of some years in an area relevant to the course.

Education - Completion of Higher School Certificate or equivalent, for example, completion of a tertiary education preparation course; some standing in a course at another tertiary institution, or completion of a health workers' course conducted by an Aboriginal community organisation.

Life Experience - Voluntary participation in Aboriginal community organisations, for example, Aboriginal Education Consultative Groups, Aboriginal Land Councils, or Aboriginal Cooperatives.

Course outline

The course outline for the Diploma of Health Science (Aboriginal Health and Community Development) is presented in Table 15.2.

Table 15.2: Diploma of Health Science (Aboriginal Health and Community Development)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 0767: Full-time; 2 years block attendance, plus off-campus					
■ Year 1					
AHCD 1028	***07177***	Perspectives in Indigenous Health I	6		1
AHCD 1029	***07179***	Communication Studies I	6		1
AHCD 1030	***07180***	Primary Health Care I	6		1
AHCD 1031	***07181***	Community Development I	6		2
AHCD 1032	***07182***	Introduction to Counselling Skills	6		2
AHCD 1035	***07185***	Professional Practice I	6		2
AHCD 1036	***07126***	Alcohol and Other Drugs I	6		2
BIOS 1076	***11184***	Biological Sciences I	6		1
Stage total for Y e a r 1 :			48 credit points		
■ Year 2					
AHCD 2013	***07260***	Perspectives in Indigenous Health II	6		2
AHCD 2015	***07262***	Primary Health Care II	6		2
AHCD 2016	***07263***	Community Development 11	6		1
AHCD 2020	***07267***	Professional Pratice **11**	6		1
AHCD 2021	***07268***	Alcohol and Other Drugs II	6	P Alcohol and Other Drugs I AHCD 1036 (07126).	1
AHCD 2022	***07269***	Introduction to Health Research	6		2
BACH 2133	***252B5***	Health and Human Behaviour	6		1
BIOS 2090	***112E5***	Biological Sciences II	6		2
Stage total for Year 2:			48 credit points		

■ Aboriginal Health Science Support Program

Students in the Aboriginal Health Science Support Program undertake a selection of the following Support Program units, based on an individual needs assessment conducted by Yooroang Garang, and depending on the students' course and course load. The average number of hours in the Support Program is six to eight hours per week for the first two years of enrolment and one to four hours in their third year.

Admission requirements

Admission to the Aboriginal Health Science Support Program is dependent upon satisfying the eligibility criteria under the Cadigal Policy (see below). Selection of students under this Policy may be based on an interview. All students who are offered a place in an award course under the Cadigal Policy may participate in the Aboriginal Health Science Support Program during the first three years of enrolment.

Course outline

The course outline for the Aboriginal Health Science Support Program is presented in Table 15.3.

■ Cadigal program

Cadigal program is an access and support program for indigenous people who wish to study at The University of Sydney.

Students entering through the Cadigal program are offered a comprehensive program of academic support in the Aboriginal Health Science Support Program which includes:

- the option to enroll in a reduced load for the first two years
- a variety of academic support tutorials allow you to revise and consolidate the work being done in your degree program.

HSC applicants are considered for entry on the basis of their University Admission Index (UAI) and under the Cadigal program the UAI for entry is lower than that required for mainstream entry.

Table 15.3: Aboriginal Health Science Support Program

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 0740: Part-time; 3 years Average student hours: 6-8 hours per week over first two years, 1-4 hours per week over third year					
AHCD 1006	*07149*	Study Skills	4		Full year
AHCD 1007	*07151*	Aboriginal Studies	1		1,2
AHCD 1009[1]	*07157*	Anatomy Support (A)	4		1
AHCD 1010	*07158*	Anatomy Support (B)	2		2
AHCD 1011	*07159*	Biological Sciences Orientation	2		2
AHCD 1012	*07160*	Biological Sciences Support (A)	6		Full year
AHCD 1013	*07161*	Biological Sciences Support (B)	3		1
AHCD 1014	*07162*	Physics Support	6		Full year
AHCD 1015	*07163*	Research Methods Support (1)	3		2
AHCD 1016	*07164*	Professional Studies Support (IA)	2		1,2
AHCD 1017	*07165*	Professional Studies Support (IB)	4		Full year
AHCD 10182	*07166*	Biomechanics Support (1)	2		1,2
AHCD 1019	*07167*	Neurobiology Support	3		1,2
AHCD 1020	*07168*	Behavioural Sciences Support (A)	2		1,2
AHCD 1021	*07169*	Behavioural Sciences Support (B)	3		Full year
AHCD 1022	*07170*	Mathematics Orientation	1		2
AHCD 1023	*07171*	Mathematics Support (A)	1		1,2
AHCD 1024	*07172*	Mathematics Support (B)	2		Full year
AHCD 1037	*07186*	Counselling Support	6		1,2
AHCD 1053	*07187*	Community Development Support	6		1,2
AHCD 1054	*07188*	Primary Health Care Support	6		1,2
AHCD 1055	*07189*	Indigenous Studies Support	6		1,2
AHCD 1056	*07190*	Communication Studies Support	6		1,2
AHCD 1057	*07191*	Biological Sciences Support	6		1,2
AHCD 1070	*071A4*	Alcohol and Other Drugs Support	6		1,2
AHCD 2008	*07255*	Biomechanics Support (2)	2		1,2
AHCD 2009	*07256*	Professional Studies Support (2)	2		Full year
AHCD 2010	*07257*	Research Methods Support (2A)	3		1,2
AHCD 2011	*07258*	Research Methods Support (2B)	4		Full year

Notes

1. Includes 2 credit points prior to start of academic year.
2. Includes 1 credit point prior to start of year.

Mature age applicants are interviewed to assess their suitability for study considering educational background, life and employment experience and motivations, goals and interests.

■ Aboriginal Health Science Preparatory Program

Admission requirements

Admission to the Aboriginal Health Science Preparatory Program is based on an assessment (including interview) conducted by Yooroang Garang. It is expected that students who do not meet the eligibility criteria under the Cadigal Policy, may apply for entry to the Preparatory Program. However it should be noted that successful completion of the Preparatory Program does not guarantee a student a place in a degree course, but does provide them eligibility for selection under the Cadigal Policy. The Preparatory Program is open to students with an UAI lower than that needed under the Cadigal Program and mature age students over the age of 21.

Course outline

The course outline for the Aboriginal Health Science Preparatory Program is presented in Table 15.4.

Table 15.4: Aboriginal Health Science Preparatory Program

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 0782: Full-time					
Course code 0783: Full-time (block mode)					
AHCD 1058	*07192*	Mathematics Workshop A	4		1
AHCD 1059	*07193*	Academic Skills Workshop A	4		1
AHCD 1060	*07194*	Human Biology Workshop A	4		1
AHCD 1061	*07195*	Aboriginal Studies A	4		1
AHCD 1062	*07196*	Anatomy Workshop A	4		1
AHCD **1063**	*07197*	Behavioural Science Workshop A	4		1
AHCD 1064	*07198*	Mathematics Workshop B			
AHCD 1065	*07199*	Academic Skills Workshop B			
AHCD 1066	*071A0*	Human Biology Workshop B			
AHCD 1067	*071Al*	Aboriginal Studies B			
AHCD 1068	*071A2*	Anatomy Workshop B			
AHCD 1069	*071A3*	Behavioural Science Workshop B			

■ Units of study

AHCD 1006 Study Skills
Old code 07149.4 credit points. Semester: Full year.
This unit introduces students to the skills needed for successful tertiary study, particularly related to health science courses. Topics covered include time management, research skills, exam preparation skills and writing skills.

AHCD 1007 Aboriginal Studies
Old code 07151.1 credit point. Semester: 1,2.
This unit examines the historical, social, economic and political factors relevant to Aboriginal people today, particularly in relation to health. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginal identity.

AHCD 1009 Anatomy Support (A)
Old code 07157.4 credit points. Semester: 1.
This unit commences two weeks prior to the start of the academic year. It begins by introducing students to the principles of studying anatomy and orienting mem to the anatomy laboratories. The unit continues to be offered concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD 1010 Anatomy Support (B)
Old code 07158.2 credit points. Semester: 2.
The unit runs concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

AHCD 1011 Biological Sciences Orientation
Old code 07159.2 credit points. Semester: 2.
The material covered in this unit depends on the course being undertaken by the student. The pre-course option is offered only in semester 2 and aims to provide students with an understanding of the fundamental concepts of chemistry and physiology needed for successful participation in the human biology component of their course in the following year.

AHCD 1012 Biological Sciences Support (A)
Old code 07160.6 credit points. Semester: Full year.
These concurrent units provide students with an opportunity to revise and consolidate content covered in human biology/ physiology units. Both group and individual tuition is provided.

AHCD 1013 Biological Sciences Support (B)
Old code 07161.3 credit points. Semester: 1.
These concurrent units provide students with an opportunity to revise and consolidate content covered in human biology/ physiology units. Both group and individual tuition is provided.

AHCD 1014 Physics Support
Old code 07162.6 credit points. Semester: Full year.
The unit is designed for students enrolled in Medical Radiation Technology who may not have a strong background in physics. It aims at both preparing students for study in physics-related units, and the opportunity to revise and consolidate concepts covered in the physics component of their course. It also covers the mathematical concepts required.

AHCD 1015 Research Methods Support (1)
Old code 07163.3 credit points. **Semester:** 2.
This unit aims to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 1016 Professional Studies Support (1 A)
Old code 07164.2 credit points. Semester: 1, 2.
These unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 1017 Professional Studies Support (1B)
Old code 07165.4 credit points. Semester: Full year.
These unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 1018 Biomechanics Support (1)
Old code 07166.2 credit points. Semester: 1, 2.
This unit aims to provide an introduction to the fundamental principles of biomechanics as well as provide students in the first year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD 1019 Neurobiology Support
Old code 07167.3 credit points. Semester: 1,2.
This unit aims to introduce students to the fundamental concepts of neurobiology and to provide students with an opportunity to revise and consolidate content covered in the neurobiology component of their course.

AHCD 1020 Behavioural Sciences Support (A)
Old code 07168.2 credit points. Yooroang Garang. Semester: 1,2.
These units aims to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD 1021 Behavioural Sciences Support (B)
Old code 07169.3 credit points. **Semester:** Full year.
These units aims to introduce students to the fundamental concepts of behavioural sciences and to provide them with an

opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

AHCD1022 Mathematics Orientation
Old code 07170.1 credit point. **Semester:** 2.
This is offered only in semester 2 and aims to provide students with the fundamental mathematical concepts being introduced to students in the introduction to fundamentals of human biology course.

AHCD1023 Mathematics Support (A)
Old code 07171.1 credit point. Semester: 1,2.
The material covered in these units depends on the course being undertaken by the student. The aim of the unit is to provide students with an opportunity to revise and consolidate the mathematical concepts/content covered in the biomedical sciences units.

AHCD 1024 Mathematics Support (B)
Old code 07172.2 credit points. Semester: Full year.
The material covered in these units depends on the course being undertaken by the student. The aim of the unit is to provide students with an opportunity to revise and consolidate the mathematical concepts/content covered in the biomedical sciences units.

AHCD 1028 Perspectives in Indigenous Health I
Old code 07177.6 credit points. **Semester:** 1. **Classes:** Block mode (3 x 5 days).
This unit introduces students to indigenous perspectives in health. Part I, Dreamings - Culture - Society focuses on traditional or pre-contact Aboriginal lifestyle, philosophy and law, and also explores issues of identity for contemporary Aboriginal people. Part II, culture contact and conflict is based on case studies from around Australia which provide examples of the diversity of contact with non aboriginal people - post invasion. Guest lecturers and field trips will be important components.

AHCD 1029 Communication Studies I
Old code 07179.6 credit points. Semester: 1. Classes: Block mode (3 x 5 days). Assessment: Essay, worksheets, class exercise, participation.
This unit of study helps you to develop academic and professional skills that are an essential part of studying at university and working in Aboriginal sethngs. Topics covered include computer and information literacy, critical reading and writing skills, multi media presentations, as well as workplace communication skills such as submission writing.

AHCD 1030 Primary Health Care I
Old code 07180.6 credit points. Semester: 1.
This unit aims to provide the student with knowledge of cultural athtudes to health and ill health in Aboriginal communities. Models of family, kinship, and community will be outlined to identify the role each plays in health. A holistic approach to analyse health, and disease in indigenous communities will be defined. The role of the health worker in improving primary health care to the community will be explored.

AHCD 1031 Community Development I
Old code 07181.6 credit points. Semester: 2.
This unit provides a background to community development in Aboriginal and Torres Strait Islander communities. Students will gain an understanding of the diversity of Aboriginal & Torres Strait Islander communities of today and the impact of this diversity on the needs, development, approach, etc. It will focus on the community development process and the importance of community participation at all levels. The student will develop a profile of an Aboriginal community.

AHCD 1032 Introduction to Counselling Skills
Old code 07182.6 credit points. **Semester:** 2.
This unit will introduce students to the basic skills of communication and counselling. It aims to assist students to develop a broad concept of what counselling is and how it is practised in the context of the Aboriginal Health and Community Development. The focus is on interviewing and communication skills.

AHCD 1035 Professional Practice I
Old code 07185. 6 credit points. Semester: 2.
This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 1036 Alcohol and Other Drugs I
Old code 07126.6 credit points. Mr Shane Merritt. **Semester:** 2. **Classes:** Block mode. **Assessment:** Assignments and attendance/ participation.
The social, political, psychological and physical factors which contribute to the development of alcohol and other drug related problems are examined and the pharmacology of the more common drugs, both prescribed and illegal, is studied. Skills are developed in identifying and responding to drug related crises and in assessing community needs not met by existing drug and alcohol services.
Practical: Field trip assessment

AHCD 1037 Counselling Support
Old code 07186.6 credit points. Semester: 1,2.
This unit is conducted concurrently with Counselling units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Counselling units.

AHCD 1053 Community Development Support
Old code 07187.6 credit points. Semester: 1,2.
This unit is conducted concurrently with Community Development units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Community Development units.

AHCD 1054 Primary Health Care Support
Old code 07188.6 credit points. **Semester:** 1,2.
This unit is conducted concurrently with Primnary Health Care units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Primnary Health Care units.

AHCD 1055 Indigenous Studies Support
Old code 07189.6 credit points. Semester: 1,2.
This unit is conducted concurrently with Indigenous Studiesunits in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Indigenous Studies units.

AHCD 1056 Communication Studies Support
Old code 07190.6 credit points. **Semester: 1, 2.**
This unit is conducted concurrently with Communication Studies units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Communication Studies units.

AHCD 1057 Biological Sciences Support
Old code 07191.6 credit points. Semester: 1,2.
This unit is conducted concurrently with Biological Sciences units in the Diploma of Health Science (Aboriginal Health & Community development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Biological Sciences units.

AHCD 1058 Mathematics Workshop A
Old code 07192.4 credit points. Semester: 1.
This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

AHCD 1059 Academic Skills Workshop A
Old code 07193.4 credit points. Semester: 1.
This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational background; and teaches academic skills such as computing, information gathering skills, organisational strategies, research,

reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD 1060 **Human Biology Workshop A**
Old code 07194.4 credit points. Semester: 1.
This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts, and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relecant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1061 **Aboriginal Studies A**
Old code 07195.4 credit points. Semester: 1.
This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

AHCD 1062 **Anatomy Workshop A**
Old code 07196.4 credit points. Semester: 1.
This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculo-skeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully including laboratory skills and learning anatomical language.

AHCD 1063 **Behavioural Science Workshop A**
Old code 07197.4 credit points. Semester: 1.
This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1064 **Mathematics Workshop B**
Old code 07198.4 credit points. Semester: 2.
This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

AHCD 1065 **Academic Skills Workshop B**
Old code 07199.4 credit points. Semester: 2.
This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational background; and teaches academic skills such as computing, information gathering skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

AHCD 1066 **Human Biology Workshop B**
Old code 071A0.4 credit points. Semester: 2.
This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts, and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relecant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1067 **Aboriginal Studies B**
Old code 071A1.4 credit points. Semester: 2.
This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

AHCD 1068 **Anatomy Workshop B**
Old code 071A2.4 credit points. Semester: 2.
This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculo-skeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully including laboratory skills and learning anatomical language.

AHCD 1069 **Behavioural Science Workshop B**
Old code 071 A3.4 credit points. Semester: 2.
This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural sciences unit within an undergraduate degree program as part of this unit of study.

AHCD 1070 **Alcohol and Other Drugs Support**
Old code 071A4.6 credit points. Semester: 1, 2.
This unit is conducted concurrently with Alcohol and Other Drugs unit in the Diploma of Health Science (Aboriginal Health and Community Development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Alcohol and Other Drugs units.

AHCD 2008 **Biomechanics Support (2)**
Old code 07255.2 credit points. Semester: 1,2.
This unit aims to provide students in the second year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

AHCD 2009 **Professional Studies Support (2)**
Old code 07256.2 credit points. **Semester:** Full year.
This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

AHCD 2010 **Research Methods Support (2A)**
Old code 07257.3 credit points. **Semester:** 1, 2.
This unit aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 2011 **Research Methods Support (2B)**
Old code 07258.4 credit points. **Semester:** Full year.
This unit aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

AHCD 2013 **Perspectives in Indigenous Health II**
Old code 07260.6 credit points. Semester: 2.
This unit provides an historical perspective to the study of Indigenous health through its focus on race relations in Australia during the twentieth century. It identifies mechanisms of control by government and church groups; in particular, institutionalization, and explores their physical and psychological effects on indigenous health. This unit also examines the nature and function of government agencies for Aborigines since 1967 and the development of various policies and strategies the local state and national levels. Guest lecturers and field trips will continue to be important components.

AHCD 2015 **Primary Health Care II**
Old code 07262.6 credit points. Semester: 2.
This unit will focus on issues of ill health in indigenous communities across Australia. Today Aboriginal people are suffering from both third world and modern illnesses as fourth world (minority) citizens of Australia. This unit focuses on issues of health and human behaviour that are of particular interest to the Aboriginal Health Professional.

AHCD 2016 **Community Development II**
Old code 07263.6 credit points. **Semester:** 1.
Students will develop skills for community development planning. Students will write community development strategic plans address issues in Aboriginal health and how to plan projects.

AHCD 2020 **Professional Pratice II**
Old code 07267.6 credit points. Semester: 1.
This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This

unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 2021 **Alcohol and Other Drugs II**

Old code 07268. 6 credit points. Mr Shane Merritt. **Semester: 1**. **Classes:** Block mode. **Prerequisite:** Alcohol and Other Drugs I AHCD 1036 (07126). **Assessment:** Assignments, attendance and participation.

The unit further develops skills in assessing drug related social and psychological problems. Understanding of the factors which contribute to the development of alcohol and drug related problems is utilised as a basis for determining strategies for the prevention of these problems in the community. This unit also explores strategies for maintaining the health and well-being of the worker who is dealing with clients with drug related problems.

AHCD 2022 **Introduction to Health Research**

Old code 07269.6 credit points. **Semester:** 2. **Classes:** Block mode (3 x 5 days). **Assessment:** Essay, oral presentation and participation.

This unit of study provides an introduction to the principles and processes of health research. It is designed to give students a broad overview of research methods used in the health arena including history of scientific method, clinical and biological approaches, demography, Epidemiology, evaluation, social research methods (including qualitative and quantitative) and theories and philosophies of science.

AHCD 3008 **Indigenous Community Health Project A**

Old code 07342.6 credit points. **Semester: 2. Classes:** Block mode (3 x 5 days). **Assessment:** Essay, written proposal and plan, participation.

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will participate in implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development (Indigenous Community Health Project), following a project plan developed in Indigenous Community.

AHCD 3009 **Professional Practice III**

Old code 07343. 6 credit points. **Semester:** 2.

This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 3010 **Counselling for Grief and Loss**

Old code 07344.6 credit points. Semester: 1,2.
This unit will teach students the practical skills needed for the development of effective counselling in the area of Aboriginal Health and Community development. During this part of the year most emphasis will be on assisting students to develop individual styles of counselling based on the theoretical framework that was established during the second year course.

AHCD 3015 **Indigenous Health Research**

Old code 07349.6 credit points. Semester: 1.
This unit will provide students with the opportunity to study in greater depth aspects of Indigenous Health Research. In particular students will develop skills in the application of selected qualitative and quantitative methodologies. Students will critically analyse published research in Indigenous health. Classes will provide a venue for critical discussion on issues such as ethics, intellectual property and copyright and university policies. The unit will introduce students to aspects of professional development as a health researcher, research grants and funding for Indigenous studies.

AHCD 3016 **Writing a Research Prosposal**

Old code 07350.6 credit points. **Semester:** 2.

The aim of this unit of study is to focus on the writing of the Honour's Research Proposal. This unit of study assists the students into developing their ideas into a set of research questions, review relevant literature, define the methodology and prepare their Honour's proposal.

AHCD 4001 **Indigenous Community Health Project B**

Old code 074B5.6 credit points. Semester: 1. Classes: Block mode (3 x 5 days). Assumed knowledge: Knowledge of project planning. Prerequisite: Completion of Indigenous Community Health Project A AHCD 3008 (07342). Assessment: Written report.
Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will participate in implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development (Indigenous Community Health Project B), following a project plan developed in Indigenous Community Health Project A. .

AHCD 4002 **Professional Practice IV**

Old code 074B6.12 credit points. Semester: 2.
This unit is an essential component in the process of developing competence as an Aboriginal Health and/or Community Development professional. Participation in this unit of study involves supervised field placements and field trips in community organisations as well as classroom attendance. This unit spans the course and aims to provide professional experience by connecting theoretical concepts with practical skills.

AHCD 4007 **Epidemiology**

Old code 07401.6 credit points. Semester: 1,2.
This unit introduces students to the basic principles of epidemiology: the study of the distribution of disease and the search for the determinants of that observed distribution. Measurement and validity issues involved in this search for cause-effect relationships are introduced. The integral role of biostatistics in the planning and data-analysis stages of epidemiological projects is reviewed. The general aim of this course is for the students to be familiar with terms used in epidemiology and to be able to critically evaluate selected epidemiological literature.

AHCD 4010 **Perspectives in Indigenous Health IV**

Old code 07404.6 credit points. Semester: 1, 2.
Perspectives IV is structured around class discussions, readings, case studies and student presentations on selected topics in Indigenous health. These topics will be determined by current student interest and professional directions and may include: men's business; women's business; the role of the professional Aboriginal health worker; international indigenous societies and culture; health and community development.

AHCD 4011 **FamilyTherapy**

Old code 07405.6 credit points. Semester: 1,2. Assumed knowledge: Introduction to Counselling Skills AHCD 1032 (07182) or equivalent.
The major theories and methods of family therapy will be examined and related to the Aboriginal culture and traditions.

AHCD 4013 **Nutrition and Lifestyle**

Old code 07407.6 credit points. **Semester:** 1,2.
This unit examines various issues associated with health and nutrition in both urban and rural indigenous communities.

AHCD 4014 **Contemporary Issues in Health, Law & Medicine**

Old code 07408.6 credit points. Semester: 2. Classes: Blcok mode (3 x 5 days). Assessment: Essay, worksheet, take home exam.
This unit will introduce students to an understanding of the Australian legal system and general principles and law governing human behaviour. This unit will also provide the student with an understanding of human rights and the international legal system. Students will be encouraged to explore the relationship between health, human rights and the law.

AHCD 4015 **Health Computing**

Old code 07409.6 credit points. Semester: 1, 2.
Students will develop the ability to apply specialist computing software in the management of Indigenous Health Organisations. For example, client registration systems, community needs data systems and centre-management and accounting software.

AHCD 4016 **Participant Observation and Ethnography**

Old code 07410.6 credit points. Semester: 1,2.
This unit of study introduces students to the theory and process of ethnographic research. It will provide students with an understanding of the diverse nature of fieldwork based research. The teaching of the unit willk revolve around class discussions of readings and case studies, and practical exercises in observation,

note taking and interviewing. Students will critically evaluate the relevance and implications of these methods for research with Indigenous communities.

AHCD 4017 Community Development III

Old code 07411.6 credit points. Semester: 1, 2.
This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD 4018 Action Research

Old code 07412.6 credit points. Semester: 1, 2.
Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students may study through independent learning and the Internet.

AHCD 4019 Community Development IV

Old code 07413.6 credit points. Semester: 1, 2.
This unit aims to provide students with an opportunity to put into practice the theoretical and conceptual skills they have acquired during the course. Assistance and resources will be provided to students to design, develop, implement and evaluate a community based project.

AHCD 4020 Group Processes and Counselling

Old code 07414.6 credit points. **Semester: 1, 2.**
The theories of groups processes and counselling will be examined. Topics such as group formation, group roles, group communication and the role of the therapist, will be examined. Students will be encouraged to develop individual styles that reflect the needs of the indigenous communities they are familiar with.

AHCD 4022 Health Promotion of Indigenous Communit B

Old code 07416.6 credit points. **Semester: 2. Classes:** Block mode (3x5 days). **Prerequisite:** Health Promotion for Indigenous Community A AHCD 4034 (07427). **Corequisite:** Could be taken with Health Promotion tor Indigenous Communities C AHDC 4023 (07417). **Assessment:** Continuous assessment.
Utilising various approaches to the development of health promotion strategies in Health promotion for Indigenous Communities I, this unit of study will provide the students with mechanism, such as theories and models to develop their own Indigenous health Promotional programs, projects and services. It is a practical and hands-on unit of study.

Practical: 10-12 hours of field work
Textbooks
Readings will be provided

Practical: 10-12 hours of field work
Textbooks
Readings will be provided

AHCD 4023 Health Promotion for Indigenous Communit C

Old code 07417.6 credit points. Semester: 2. Classes: Block mode (3x5 days). Prerequisite: Health Promotion tor Indigenous communities A AHCD 4034 (07427) and B AHCD 4022 (07416). Corequisite: Could be taken with Health Promotion for Indigenous Communities B AHCD 4022 (07416). Assessment: Continuous assessment.
Implementation and evaluation of the initiatives developed in the Health promotion for Indigenous Communities I and II is the aim of this unit of study. Reporting on the impact and the outcome of these health promotion initiatives will be the final assignment in this hands on and practical unit.

Practical: 18-24 hours of field work
Textbooks
Preadings provided

Practical: 18-24 hours of field work
Textbooks
Preadings provided

AHCD 4024 Housing and Environmental Health

Old code 07418.6 credit points. Semester: 1, 2.
This unit will focus on the relationship between physical environment and health. Students will learn how to work with town and community planners to explore ways of improving indigenous health.

AHCD 4026 Health Management Theory

Old code 07420.6 credit points. Semester: 1, 2.
This unit of study examines the current theories and methods of management and relates these models to the management of Indigenous health organisations.

AHCD 4028 Alcohol and other Drugs Counselling

Old code 07422.6 credit points. Semester: 1,2. Classes: Block mode. Assessment: Assignments, attendence, and participation.
This unit of study is focused on the essential skills needed for the development of effective counselling in the area of drug and alcohol addiction. Students will draw from their studies in Counselling I & Counselling II, and Drugs and Alcohol I & II to develop counselling strategies that are culturally effective.

AHCD 4030 Issues in Indigenous Mental Health

Old code 07423.6 credit points. Semester: 1, 2. Classes: Block mode. Assessment: Assignments, attendance, and participation.
The objectives of 'Issues in Indigenous Mental Health' are to consider the special historical, cultural, spiritual and social factors that impact on Indigenous health, especially mental health. Special emphasis will be given to assisting students' understanding of the biopsychosocial aspects of Indigenous mental health. Transgenerational issues (such as grief) in relation to Indigenous mental health will be explored.

AHCD 4031 Health Management Practice

Old code 07424.6 credit points. Semester: 1, 2.
This unit of study examines the practical issues of managing indigenous health organisations. Topics will include, accounting methods, office practice, legal issues, personnel as well as other topics that are relevant at the time.

AHCD 4032 Health Planning, Policy and Evaluation A

Old code 07425.6 credit points. Semester: 1,2. Classes: Block mode (3x5 days). Assessment: Continuous assessment.
This unit of study will provide students with an understanding of the basic structure in the development, implementation and the evaluation of policies, health in particular. The ideological framework, socio-cultural, economic and political assumptions implicit in policy development will be discussed.

Textbooks
Readings provided

Textbooks
Readings provided

AHCD 4033 Perspectives in Indigenous Health III

Old code 07426.6 credit points. **Semester:** 1, 2. Assessment: Continuous assessment.
This unit builds on Perspectives in Indigenous Health I and II by further exploring Indigenous, sociological, historical and anthropological on Indigenous health. Students will examine a range of materials related to the themes of race and racism. The major theories underlying the notion of race and racial relations in the nineteenth and twentieth centuries will be introduced and the impact of these on the health of Indigenous people in Australia critically analysed.
Practical: 6 hours of fieldwork
Textbooks
Readings provided

AHCD 4034 Health Promotion of Indigenous Communities A

Old code 07427.6 credit points. Semester: 1, 2. Classes: Block mode (3x5 days). Assessment: Continuous assessment.
This unit provides students with an overview of the principles and practice of health promotion. It is designed to give students a theoretical perspective of health promotion within the public health and community based framework. Range of approaches to the development of health promotion initiatives will be discussed.

Practical: 6 hours of fieldwork
Textbooks
Readings will be provided

Practical: 6 hours of fieldwork
Textbooks
Readings will be provided

AHCD 4035 Primary Health Care III

Old code 07428.6 credit points. Ms Sue Page. Semester: 1,2. Classes: Block mode (3x5 days). **Assessment:** Written assignments, case studies, oral presentation.
This unit of study builds on the concepts of Primary Health Care explored in PHC1 and PHC 2. In this unit students will critically examine Primary Health Care in Indigenous communities. As

well there will be a consideration of how PHC can be used to facilitate action for change.

AHCD 4036 Art & Media in Indigenous Hlth Promotion

Old code 07429.6 credit points. Semester: 1,2.
How can art and media be used to promote health? How can this empower communities to achieve their own health? This unit of study focuses on the design, production and delivery of health promotion messages in art through painting, theatre, dance and song and in film, television, radio and the print media. The communication of indigenous concepts of health in images and stories is explored with reference to selected indigenous health promotion projects.

AHCD 4038 Quantitative Research Methods

Old code 07431.6 credit points. Semester: 1,2.
This unit introduces students to the application of statistical concepts to research in selected topics in Aboriginal Health. To pass this unit students will study two modules. One module on inferential statistical techniques will be compulsory. The second module is designed to allow students to develop an in depth understanding of specific methodologies such as; descriptive, correlational, ex-post-facto and experimental.

AHCD 4039 Oral History

Old code 07432.6 credit points. Semester: 1,2.
This unit introduces students to written and oral history. It explores the appropriate methods and systematic techniques for the collection and evaluation of data from past events in order allow for a better understanding of current events and facilitate the anticipation of future events.

AHCD 4040 Addictions Counseling

Old code 07433.6 credit points. Mr Shane Merritt. Semester: 1, 2.
Classes: Block mode (3x5 days). Assumed knowledge: Introduction to Counselling Skills AHCD 1032 (07182) or equivalent.
The relationship to addiction and personality will be explored in depth. Specific addictions such as addition to gambling will be discussed. Part of the assessment for this unit will require students to present a relevant case study for discussion.

AHCD 4041 Counselling with Art Therapy

Old code 07434.6 credit points. Semester: 1,2.
This unit will be taught in conjunction with Perspectives in Indigenous Health IV. It will compare and contrast the modern concepts in Art Therapy with the use of traditional methods in spiritual healing.

AHCD 4042 Wellness

Old code 07435.6 credit points. **Semester:** 1,2.
This unit will encourage students to focus their attention on the conditions required for healthy living from a holistic perspective of indigenous health. Students will be asked to consider the positive environmental influences required for individuals and communities to achieve and maintain a state of healthy well being. Contributions to an understanding of wellness will be sought from traditional Aboriginal culture and custom, anthropology, sociology and psychology. Content for this unit will be thematic and be determined by current student interest.

AHCD 4044 The Health Worker and the Law

Old code 07437.6 credit points. Semester: 1,2.
The unit introduces students to the basic principles of the application of the law in Australia. Particular reference is made to those aspects of the law that relate specifically to the role of the practice of the Aboriginal Health Worker. This unit also provides students an opportunity to familiarise themselves with their legal rights and responsibilities in contemporary society as both citizens and professional health workers.

AHCD 4045 Indigenous Health Information Management

Old code 07438. 6 credit points. Semester: 1,2.
Students will develop the ability to apply specialist computing software in the management of indigenous health organisations. For example, client registratin systems, community needs data systems and centre-management and accounting software.

AHCD 4046 Early Disease Intervention A

Old code 07439.6 credit points. Semester: 1,2.
This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consecutive units A and B which will be taken together to round of the students learning. Students will be taught a client management process which will prepare them to manage a number of common clinical problems in remote areas. This process will include taking a history, taking observations, consultation and referal, making a diagnosis, planning management for short and long term and finally evaluation. Fifteen diseases will be covered in detail during the two units, with an emphasis on teaching a process which can be used in a variety of situations. A further eight diseases will be covered in case study assignments. Common illnesses from all age ranges and body systems will be covered. The student will be taught the importance of referal of all unusual or serious illnesses.

AHCD 4047 Early Disease Intervention B

Old code 07440.6 credit points. Semester: 1, 2.
This unit is designed to prepare the students for a role in primary treatment of common health problems. It will be delivered in consecutive units A and B which will be taken together to round of the students learning. Students will be taught a client management process which will prepare them to manage a number of common clinical problems in remote areas. This process will include taking a history, taking observations, consultation and referal, making a diagnosis, planning management for short and long term and finally evaluation. Fifteen diseases will be covered in detail during the two units, with an emphasis on teaching a process which can be used in a variety of situations. A further eight diseases will be covered in case study assignments. Common illnesses from all age ranges and body systems will be covered. The student will be taught the importance of referal of all unusual or serious illnesses.

AHCD 4048 Issues in Housing and Environmental Health

Old code 07441.6 credit points. **Semester:** 1, 2.
Issues such as government policy, specific cultural needs, differing needs between remote, rural and urban families will be explored.

AHCD 4049 Skills forTeaching Health

Old code 07442.6 credit points. Semester: 1, 2.
This unit provides an opportunity for students to identify and develop teaching skills for use in their professional roles as healm workers. The content for this unit will include: principles of adult learning; the teaching process; instructional design; the skills of questioning, explaining and facilitating small group discussions; and the preparation and use of audiovisual teaching materials.

AHCD 4050 Health Planning, Policy and Evaluation B

Old code 07443.6 credit points. Dr Freidoon Khavarpour. Semester: 1,2.
Classes: Contract. Prerequisite: Health Planning, Policy and Evaluation 1 AHCD 4032 (07425). Assessment: Continuous assessment.
This unit of study, a continuation of Health Planning, Policy and Evaluation 1, critically analyses various specific government polices from Australia and overseas, in particular Canada, New Zealand and United States which deal with the Indigenous people in these countries.

Textbooks
Readings provided

Textbooks
Readings provided

AHCD 4051 Indigenous Health and Housing

Old code 07444.6 credit points. Semester: 1, 2.
This unit encourages students to explore the relationship between the links between housing style and quality and the health of its inhabitants. Students will be able to develop practical skills required to assess housing suitability.

AHCD 4052 Honours Workshop

Old code 07445.6 credit points. Dr Freidoon Khavarpour. Semester: 1.
Classes: Block mode (3x5 days). Prerequisite: Admitted to honours program. Assessment: Continuous assessment.
This unit of study is divided into two semesters. In semester 1 students will concentrate on the further development of their literature review and collection of the date. Analysis and interpretation of the data towards the first draft of the Honour's thesis will be covered in this semester. In semester 2, redrafting and rewriting of the thesis will be maintained and continued.
Textbooks
Individual based

AHCD 4053 Human Rights and Social Justice

Old code 07446.6 credit points. Ms Wendy Jopson. Semester: 1,2.
This unit of study will examine human rights and social justice issues from an Australian Indigenous perspective at

International, National and local levels. It discusses the effect of these issues on the health and welfare of Indigenous peoples lives.

The unit of study will detail the optimum standard for health and justice advocated by the international human rights treaty system, and discusses the Australian government's responsibility, accountability and the success and failures towards these benchmarks.

Ths unit is participatory based and includes literature review and group discussions.

AHCD4054 **Research Thesis**

Old code 07447.30 credit points. Semester: 2.
This unit of study is designed to give the student in the Honour's program an opportunity develop their personal and professional interests through the production of the Honour's Thesis. Collaboration with the academic supervisors and other relevant academic staff is paramount in the preparation of this Honour Thesis. Students will conduct an oral presentation of their Honour's Thesis to the School's Research Forum.

BACH 2133 **Health and Human Behaviour**

Old code 252B5.6 credit points. Semester: 1.
This unit provides an introduction to concepts, theories and applications of the behavioural sciences, with special reference to the links between health and human behaviour, and the relevance of these issues to Indigenous health. Students will be introduced to sociological theories and concepts relating to health, including the relationships between culture, health-care systems, and social organisations and processes. The principles and applications of relevant areas of psychology will also be addressed, including the links between mind and body, psychological development through the life cycle, health psychology, and the psychological aspects of social relationships.

BACH 4052 **Social Research**

Old code 25451.6 credit points. Semester: 1,2.
This unit introduces students to the range of qualitative and Multivariate Statistics used in the examination of the social aspects of the health care system. Data collection and analysis, techniques associated with interviewing and observation, content analysis, survey and experimental research and secondary data analysis will be covered.

BIOS 1076 **Biological Sciences I**

Old code 11184.6 credit points. Dr Patricia Weerakoon. Semester: 1.
This unit is an introduction to the systems of the body using the theme of homeostasis and will provide the basis for further study of health and illness.

BIOS 2090 **Biological Sciences II**

Old code 112E5.6 credit points. Dr Patricia Weerakoon. Semester: 2.
This unit introduces students to the biological basis of health and ilness. It includes the study of the pathophysiology of disease and basic management principles.

BIOS 3046 **Biological Sciences III**

Old code 113A1.6 credit points. Dr Patricia Weerakoon. Semester: 1,2.
This unit will allow students to explore specific areas of health and disease in depth, as relevant to their specific professional role. Specific areas explored in this course include the pathophysiology and management of disease, nutritional aspects and sexual and reproductive aspects of illness and disability.

BIOS 3051 **Biological Sciences IIIA**

Old code 113A4.6 credit points. Dr Patricia Weerakoon. Semester: 1.
Medical Sciences and Disorders of Body Systems. To introduce the student to pharmacology, pathophysiology and aspects of cross-infection and immunology through the life stages from foetus to old age. This will be presented in a problem based manner.

16 Bachelor of Health Sciences

Many key issues in Australian healthcare today were not even thought of ten years ago - developments such as the human genome project, the Internet and consumer-driven healthcare have changed the industry forever. There is an increasing need for professionals with skills that enable them to link healthcare practice with industry. The Bachelor of Health Sciences course has been designed to give graduates the chance to become involved in the 'new healthcare'. It takes a new approach for a new millennium, by linking the three arms of healthcare - practitioners, the healthcare system and industry - in a unique manner that is based on identifying and addressing contemporary needs.

Admission requirements

There are no specific prerequisites for admission to the Bachelor of Health Sciences course. The general admission requirements in chapter 3 apply. However, prospective students would benefit from Chemistry at HSC level, although this requirement may be met by completion of the chemistry bridging course in the Faculty of Health Sciences.

Course outlines

The course outlines for the Bachelor of Health Sciences Pass and Honours courses are presented in Table 16.1 and Table 16.1.1.

Honours program

For specific information related to the Bachelor of Health Sciences Honours Program, students are advised to contact Dr Gary Lee, School of Biomedical Sciences.

Table 16.1: Bachelor of Health Sciences (Pass)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2901: Pass course; full-time, 3 years					
■ **Year 1**					
BACH 1130	*251A2*	Foundations of Health Sociology	3		2
BACH 1131	*251A3*	Foundations of Psychology for the Health Sciences	3		1
BACH 1138	*251B0*	Health and Research Design: General	3		1
BACH 1141	*251B3*	Analysing Health Research: General	3	A Basic mathematics.	2
BACH 1148	*251 CO*	Health, Athtudes and Interaction	3	P Foundations of Psychology for the Health Sciences or Introduction to Health Psychology.	2
BACH 1154	*251 CI*	Introduction to Environmental Health & Safety	4		1
BACH 2127	*252A2*	Health Policy and Service Delivery	3	p Foundations of Health Sociology or Introduction to Health Sociology.	2
BHSC 1001	*29101*	Cultural Dimensions of Health	4		1
BHSC 1003	*29103*	Introduction to Toxicology	3		2
BHSC 1004	*29104*	Current Issues in Health Care 1	3		2
BIOS 1124	*111D2*	Human Biology and Biochemistry	4	A Basic Chemistry. *NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.*	1
BIOS 1134	*111E1*	Basic Sciences for Health Studies	6	C Human Biology and Biochemistry BIOS 1124(111D2).	1
HIMT 1044	*09144*	Health Care Systems in Australia	6		2
Stage total for Year 1:			48 credit points		
■ Year 2 (first offered in 2003)					
BHSC 2001	*29201*	Ethical and Legal Aspects of Health Care	6		2
BIOS 2100	*112F5*	Applied Body Systems 1	6	P Human Biology and Biochemistry BIOS 1124 (111D2).	1
BIOS 2101	*112F6*	Applied Body Systems 2	6	p Human Biology and Biochemistry BIOS 1124 (111D2).	2
HIMT 3032	*09333*	Epidemiology	4	*NB: Student places are limited.*	2
Core electives (see note 1)			Semester 1 credit points: 15. Semester 2 credit points: 5.		
General/core electives (notes 1,2)			Semester 1 credit points: 3. Semester 2 credit points: 3.		
Stage total for Year 2:			48 credit points		
■ Year 3 (first offered in 2004)					
BHSC 3001	*29301*	Project Design and Management	6		1
BHSC 3002	*29302*	Current Issues in Health Care 2	3		1

Table 16.1: Bachelor of Health Sciences (Pass) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
BIOS 3053	*113A6*	Applied Body Systems 3	6	P Human Biology and Biochemistry BIOS 1124 (111D2). *NB: First offered in 2004.*	1
Core electives (see note 1)				Semester 1 credit points: 6. Semester 2 credit points: 20.	
General/core electives (notes 1,2)				Semester 1 credit points: 3. Semester 2 credit points: 4.	
Stage total for Year 3:			**48** credit points		

■ **Notes**

1. Core electives are to be selected from the list below. In each semester students may select from the list of electives to make up the total number of credit points available for electives in that semester. A student may enrol in a particular elective subject to its availability and to approval by the school offering the unit.
2. General electives may be chosen from electives available throughout the University. A student may enrol in a particular elective subject to its availability and to approval by the school/department offering the unit and the approval of the coordinator of the Bachelor of Health Sciences course.

Table 16.1.1: Bachelor of Health Sciences (Honours)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2902: Honours program; full-time, 4 years					
■ **Years 1 and 2**					
As per Pass course					
■ **Year 3 (first offered in 2004)**					
BHSC 3001	*29301*	Project Design and Management	6		1
BHSC 3002	*29302*	Current Issues in Health Care 2	3		1
BHSC 3003	*29303*	Honours Research Proposal	4		2
BIOS 3053	*113A6*	Applied Body Systems 3	6	P HumanBiology and Biochemistry BIOS 1124(111D2). *NB: First offered in 2004.*	1
Core electives				Semester 1 credit points: 6. Semester 2 credit points: 16.	
General/core electives				Semester 1 credit points: 3. Semester 2 credit points: 4.	
Core electives are to be selected from the list below. In each semester students may select from the list of electives to make up the total number of credit points available for electives in that semester. A student may enrol in a particular elective subject to its availability and to approval by the School offering the unit.					
General electives may be chosen from electives available throughout the university. A student may enrol in a particular elective subject to its availability and to approval by the School/Department offering the unit.					
Stage total for Year 3:			**48** credit points		
■ **Year 4 (first offered in 2005)**					
BHSC 4001	*29401*	Honours Research Seminar 1	3	p Honours Research Proposal BHSC 3003 (29303).	1
BHSC 4002	*29402*	Honours Research Seminar 2	3	p Honours Research Proposal BHSC 3003 (29303).	2
BHSC 4003	*29405*	Honours Thesis/Research Report A	21	**c** Honours Research Seminar 1 BHSC 4001 (29401), Honours Research Seminar 2 BHSC 4002 (29402).	1,2
BHSC 4004	*29406*	Honours Thesis/Research Report B	21	C Honours Research Seminar 1 BHSC 4001 (29401), Honours Research Seminar 2 BHSC 4002 (29402).	1,2
Stage total for Year **4:**			**48** credit points		

Core electives for Bachelor of Health Sciences

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
■ **Ageing**					
BACH 3082	*25380*	Sociology of the Aged and Ageing	3	p Foundations of Heakh Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry.	1
BACH 3085	*25383*	Death and Dying	3	P Introduction to Health Sociology. *NB: Not offered in 2003.*	1
BACH 3095	*25393*	Ageing Society and Professional Practice	3	A Introduction to Heakh Sociology.	1,2
BACH 3096	*25394*	Older People in the Community	3	A Introduction to Heakh Sociology.	1,2
BACH 3097	*25395*	Older People in Care	'3	A Introduction to Heakh Sociology.	2
BACH 3098	*25396*	Psychosocial Wellbeing in Older Adults	3	A Introduction to Health Sociology and Introduction to Heakh Psychology.	1,2
BIOS 4037	*11491*	Applied Biology of Ageing	4	C Biology of Ageing BIOS 4036 (11490).	1
BIOS 4039	*11493*	Biological Aspects of Disease Management	4	C Health, Disease and Ageing BIOS 4038 (11492).	2
■ **Computing**					
BHSC 3004	*29304*	Introductory Computing	4		1,2
BHSC 3005	*29305*	Advanced Computing	4	A Introductory Computing BHSC 3004 (29304).	1,2

Core electives for Bachelor of Health Sciences (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
■ **Cultural Dimensions of Health**					
BACH 1100	*25183X*	Sociology of Community and Family	3	P Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. *NB: Also offered in off-campus mode.*	2
BACH 3086	*25384*	Life Span Psychology and the Family	3		1,2
■ **Environmental Health**					
BHSC 3007	*29307*	Environmental Hazards	4	A Organisational Studies BACH 2039 (25215). P Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).	1,2
BHSC 3008	*29308*	Risk Management	4	A Organisational Studies BACH 2039 (25215). P Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).	1,2
BHSC 3009	*29309*	Environmental and Occupational Health	3	A Organisational Studies BACH 2039 (25215). p introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).	1,2
BHSC 3010	*29310*	Environmental Safety	4	A Epidemiology HIMT 3032 (09333). P introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).	1,2
BHSC 3011	*29311*	Ergonomics in Environmental Health	4	A Functional Anatomy A BIOS 1135 (111E2), Functional Anatomy B BIOS 1138(111E5). P Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).	1,2
BHSC 3012	*29312*	Occupational Rehabilitation and Worker Compensation	4	P Risk Management BHSC 3008 (29308).	1,2
BHSC 3013	*29313*	Fieldwork Practicum	4		1,2
■ **Health Promotion**					
BACH 3081	*25379*	Sociology of Sport	3	P Foundations of Health Sociology or Introduction to Health Sociology. N Psychosocial Aspect of Recreation and Sport BACH 1102(25185).	1,2
BACH 3088	*25386*	Psychology of Sport & Exercise Adherence	3		1,2
BHSC 3006	*29306*	Complementary Health Care in Health Professional Practice	4		1,2
EXSS 1019	*22115*	Fundamentals of Exercise Science	4		2
OCCP 1054	*15155/ 15155X*	Leisure in Australia	4		1
OCCP 1057	*15158/ 15158X*	Creative Arts in Recreation	4	*NB: Advanced standing (OC only).*	1 (off-campus), 2 (on-campus)
OCCP 2058	*152B6/ 152B6X*	Social Psychology of Leisure and Play	3		1
OCCP 2059	*152B7/ 152B7X*	Learning Processes and Leisure Education	3		1
OCCP 3051	*15394/ 15394X*	Outdoor Recreation and Education	3	A Communication skills, Basic counselling skills.	1,2
OCCP 3052	*15395*	Research Project in Leisure and Health	4	*NB: This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.*	2
■ **Health Services Management**					
BACH 2039	*2521S*	Organisational Studies	6	A Introduction to Health Psychology. P Introduction to Health Sociology BACH 1023 (2511C).	2
■ **Research and Evaluation**					
BACH 3102	*253A0*	Advanced Epidemiological Methods	3	p Epidemiology HIMT 3032 (09333).	2
BACH 4017	*25416*	Epidemiological Research	3	p Epidemiology HIMT 3032 (09333).	2
BACH 4018	*25417*	Evaluation Research	3		2
BACH 4019	*25418*	History & Philosophy of Scientific Methodology	3		1
BACH 4043	*25442*	Intermediate Statistics	3	p Research Methods 1 BACH 1027 (2511G) and Research Method 2 BACH 1118 (2511R) or Health and Research Design BACH 1138 (251B0) or equivalent.	2
BACH 4044	*25443*	Multivariate Statistics	3	p Intermediate Statistics BACH 4043 (25442), or equivalent.	1,2
BACH 4045	*25444*	Qualitative Research Methods	3		1,2
BACH 4046	*25445*	Survey Research Methods	3		2
BACH 4047	*25446/ 25446X*	Developing a Research Project	4	*NB: Also available in off-campus mode.*	1,2
BACH 4071	*25470*	Evidence Based Health Care Research	3	A Health and Research Design BACH 1138 (251B0) or equivalent.	2
BACH 4073	*25472*	Metabolic Epidemlgy for Health Professnals	3	A Health and Research Design BACH 1138 (251B0) or equivalent. P Epidemiology HIMT 3032 (09333).	1

Core electives for Bachelor of Health Sciences (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
■ **Sexuality**					
BIOS 4035	*11489*	Sexuality for Health Professionals	3	p Students will be required to be in second year or higher in their professional training. *NB: This course is offered on-line. Attendance on campus is required only for the first session in week one of the semester.*	1,2
■ **Toxicology**					
BHSC 3013	*29313*	Fieldwork Practicum	4		1,2
BHSC 3014	*29314*	Principles of Toxicology 1	4	P Introduction to Toxicology BHSC 1003 (29103). *NB: First offered in 2005.*	1,2
BHSC 3015	*29315*	Principles of Toxicology 2	3	P Introduction to Toxicology BHSC 1003 (29103).	1,2
BHSC 3016	*29316*	Principles of Toxicology 3	3	P Introduction to Toxicology BHSC 1003 (29103).	1,2
BHSC 3017	29577	Principles of Toxicological Testing	4	P Introduction to Toxicology BHSC 1003 (29103), Epidemiology HMT 3032 (09333).	1,2

Support for Environmental Health and Toxicology electives

BIOS 1132	***111D9***	Neuroscience **I**	3		2
BIOS 1135	*111E2*	Functional Anatomy A	4		1
BIOS 1138	*111E5*	Functional Anatomy B	3	A Functional Anatomy A BIOS 1136 (111E3).	1
BIOS 1140	*111E7*	Neuroscience II	3		1
EXSS 2008	*22208*	Biomechanics	4		1

■ Units of study

BACH 1100 Sociology of Community and Family

Old code 25183X. 3 credit points. Dr Ian Hughes. Semester: 2. Classes: 2 hours/week. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. Assessment: Assignments and examination.
NB: Also offered in off-campus mode.
This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and homophily and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit. Students will develop alternate scenarios for developing community and examine the various government interventions designed to replace the support that older communities provided for their members.
Textbooks
Manuals with key material and references

BACH 1130 Foundations of Health Sociology

Old code 251A2.3 credit points. **Semester: 2. Assessment:** Class essay 35%, examination 65%.
This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society, and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion, and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare.

BACH 1131 Foundations of Psychology for the Health Sciences

Old code 251 A3.3 credit points. Ms Karen Pepper, Dr Chris Lennings. **Semester: 1. Classes:** On campus, 26 hours (2 hr lecture/week for 13 weeks). **Assessment: 1**000 word essay 50%, 1 hr MCQ examination 50%.
This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology, and the psychology of groups and organisations.

BACH 1138 Health and Research Design: General

Old code 251B0.3 credit points. Semester: 1. Assessment: Mid semester class test 40%, 2 hour MC exam 60%.
The unit is designed to introduce students to the process of qualitative and quantitative research. In doing so, research ethics, development of research questions, and introduction to sampling will be covered. Various interview, survey, observational and epidemiological research designs will be introduced as well as concepts of experimental validity, single case research and group experimental research. Issues of reliability, validity, evidence-based practice and applied research designs will also be covered.

BACH 1141 Analysing Health Research: General

Old code 251B3.3 credit points. **Semester: 2. Assumed knowledge:** Basic mathematics. **Assessment:**Tutorial exercise 40%, 2 hours multiple choice exam 60%.
The purpose of this unit is to provide students with background information concerning the analysis of quantitative and qualitative research in health sciences in order to become informed consumers of health research. The unit will provide a brief introduction to approaches to research, major qualitative data analysis techniques, strategies of quantitative inference, principles of descriptive and inferential statistics, and will conclude with a discussion of the structure of research reports and critical literature appraisal.

BACH 1148 Health, Athtudes and Interaction

Old code 251 CO. 3 credit points. **Semester:** 2. **Prerequisite:** Foundations of Psychology for the Health Sciences or Introduction to Health Psychology. **Assessment:** 1000 word assignment (40%), 2 hour short answer/MCQ examination (60%).
This unit of study comprises two modules. Module 1: Social Psychology examines the findings from research into social phenomena such as helping behaviour, aggression, prejudice, and conformity. The unit extends this examination to the application of findings to health care sethngs and practitioners. In Module 2: Disability Studies students will be exposed to an interdisciplinary perspective on the experiences of people with chronic illnesses and disability, as well as community and professional perceptions of disability. Both modules examine the psychology of client-practitioner communication and interaction.

BACH 1154 introduction to Environmental Health & Safety

Old code 251C1.4 credit points. **Semester:** 1. **Assessment:** Take home exam (two 1000 word essays) 50%, group project presentation 25%, seminar summary papers (400 words) 25%.

This unit provides a broad framework for understanding occupational health within a social system. The development of work organisation, work practices and the discipline of occupational health is introduced. The pattern of occupational injury and illness in Australia is described and explained in terms of occupational systems.

BACH 2039 Organisational Studies

Old code 2521S. 6 credit points. Dr Barbara Adamson. **Semester: 2. Assumed knowledge:** Introduction to Health Psychology. **Prerequisite:** Introduction to Health Sociology BACH 1023 (2511C).

This unit provides an introduction to fundamental areas in the sociology and psychology of organisations. Students will develop an appreciation of organisational shapes and sethngs and of organisational behaviour in current and/or future employment areas.

BACH 2127 Health Policy and Service Delivery

Old code 252A2.3 credit points. **Semester:** 2. **Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology. **Assessment:** 1000 word essay 40%, 2 hours exam (essay and short answer questions) 60%.

This unit provides an understanding of key aspects of the relationship between Australian society, health and health service provision. It discusses the development, delivery and evaluation of Australian health and disability policy and services in a global context and across the life span. The importance of a holistic and preventive approach to health policy is stressed and the relationship between service access, equity, quality and cost is discussed.

BACH 3081 Sociology of Sport

Old code 25379.3 credit points. Mr Ian Andrews. **Semester: 1**, 2. **Classes:** On-campus 2 hours/week. **Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology. **Prohibition:** Psychosocial Aspect of Recreation and Sport BACH **11**02 (25185). **Assessment:** Assignment/examination.

This unit examines the nature of modern sporting forms and practices, and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age, and disability); ideology, power and politics in sport; the links between sport and 'community '; and the relationship between the mass media and professional sports.

BACH 3082 Sociology of the Aged and Ageing

Old code 25380.3 credit points. Dr Rosemary Cant or Dr Zakia Hossain. **Semester: 1. Prerequisite:** Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry.

This unit of study uses sociological analysis to examine aspects of Australia 's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined. Students will be expected to use these concepts in an analysis of current government interventions.

BACH 3086 Life Span Psychology and the Family

Old code 25384.3 credit points. **Semester:** 1,2.

This unit introduces students to a life span approach to human development, focussing on the physical, cognitive and psychosocial changes experienced during each life stage. Psychological development in the latter half of the life-span is analysed with respect to sensory-perceptual, cognitive and affective aspects of the older person. Changes in social relationships and health status that occur across the life span are also traced. The unit will investigate the role of the family as a central component of modern society, and explore developmental approaches to the family parallel to studies of individual development.

BACH 3088 Psychology of Sport & Exercise Adherence

Old code 25386.3 credit points. Ms Justine Stynes. Semester: 1,2. Assessment: Assignment and examination.
This unit examines the application of principles of psychology in the sporting context. The concepts of motivation and self-confidence in sport, social relations, group interactions and sport-related social phenomena, cognitive strategies to enhance sporting performance, the psychological benefits of exercise are considered along with psychological approaches to exercise adherence.
Textbooks
Book of Readings

BACH 3095 Ageing Society and Professional Practice

Old code 25393.3 credit points. Dr Cherry Russell. Semester: 1,2. Classes: Independent and learning package. Assumed knowledge: Introduction to Health Sociology. Assessment: Report.
This unit aims to contribute to effective professional practice in an ageing society. It provides an overview of key themes and issues including demographic ageing, social constructions of ageing, retirement, social divisions and public policy directions.
Textbooks
Australia's New Aged. (1996). Macallum, J. and Geiselhart, K. Allen and Unwin

BACH 3096 Older People in the Community

Old code 25394.3 credit points. Dr Cherry Russell. **Semester: 1, 2. Classes:** Independent learning package/ off campus. **Assumed knowledge:** Introduction to Health Sociology. **Assessment:** 2 x assignments.
This unit examines (i) the home and community environment of older people in relation to factors which affect their health and quality of life; (ii) the provision of community services for frail or disabled older people.
Textbooks
Australia's New Aged. (1996). Macallum, J. and Geiselhart, K. Allen and Unwin

BACH 3097 Older People in Care

Old code 25395.3 credit points. Semester: 2. Assumed knowledge: Introduction to Health Sociology. Assessment: 2 assignments.
This unit examines a range of issues in the provision of residential care for frail and disabled older people, including the concept of 'institutionalisation', quality of residential life, and public policy directions.

BACH 3098 Psychosocial Wellbeing in Older Adults

Old code 25396.3 credit points. Dr Steve Cummings and A/Prof Glynnis Horwarth. **Semester:** 1,2. **Classes:** 2 hours. **Assumed knowledge:** Introduction to Health Sociology and Introduction to Health Psychology. **Assessment:** Two essays.
This unit aims to (i) provide a broad understanding of factors affecting psychosocial wellbeing in later life; (ii) examine types of mental disorder (especially dementia and depression) and their occurrence among older people.

BACH 3102 Advanced Epidemiological Methods

Old code 253A0.3 credit points. **Semester: 2. Prerequisite:** Epidemiology HIMT 3032 (09333).
In this unit the statistics associated with measurement and validity issues involved in the search for cause/effect relationships are expanded, including analysis of confounding variables. The unit also reviews the integral role of biostatistics in the planning stage, and the data-analysis and modelling stages of epidemiological projects, particularly where categorical data are used.

BACH 4017 Epidemiological Research

Old code 25416.3 credit points. Dr Kaye Brock. **Semester: 2. Prerequisite:** Epidemiology HIMT 3032 (09333).
In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

BACH 4018 Evaluation Research

Old code 25417.3 credit points. Dr Ian Hughes. **Semester: 2. Classes:** Web based.
In this unit students will examine aspects of conducting evaluation research, an area that focuses on the application of multi-disciplinary research methods to health services. Empowering and critical approaches will be included.

BACH 4019 History & Philosophy of Scientific Methodology

Old code 25418.3 credit points. Dr Rod Rothwell. **Semester: 1. Classes:** On-campus night course. **Assessment:** 2 assignments 1000 words each.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

Textbooks

What is this thing called Science? (1994). Chalmers, A. University of Queensland Press.

The Name of Science: Problems and Perspective. (1997). Hung, E. Wadsworth Press

BACH 4043 Intermediate Statistics

Old code 25442.3 credit points. Dr Peter Choo. **Semester:** 2. **Classes:** On campus 3 hours/week. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Method 2 BACH 1118 (2511R) or Health and Research Design BACH 1138 (251B0) or equivalent. **Assessment:** Written assignments and examination.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BACH 4044 Multivariate Statistics

Old code 25443.3 credit points. Dr Peter Choo. Semester: 1,2. Prerequisite: Intermediate Statistics BACH 4043 (25442), or equivalent.

This unit examines a variety of multivariate designs and statistical procedures, including factor analysis, discriminant function analysis and analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

BACH 4045 Qualitative Research Methods

Old code 25444.3 credit points. Dr Cherry Russell. Semester: 1,2. Classes: Wednesdays, 4-7 pm. Assessment: 2 assignments.

In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people 's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project of their choice throughout the semester.

Practical: 2 hours fieldwork

Textbooks

Course reader.

BACH 4046 Survey Research Methods

Old code 25445.3 credit points. Dr Kate O'Loughlin. **Semester: 2. Classes:** Mondays, 5-8 pm.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BACH 4047 Developing a Research Project

Old code 25446/25446X. 4 credit points. **Semester: 1,2. Classes:** On campus Mondays 5-8 pm in Semester 1, and off campus in Semester 1 or 2.

NB: Also available in off-campus mode.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives that concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced.

BACH 4071 Evidence Based Health Care Research

Old code 25470.3 credit points. Semester: 2. Assumed knowledge: Health and Research Design BACH 1138 (251B0) or equivalent.

One of the greatest challenges in modern health care is knowing how to use the results of research in the context of decision making regarding an individual client. This unit provides students with the skills necessary for critical reading of reviews prepared by Cochrane Collaboration concerned with the efficacy of interventions and aetiology of health outcomes.

BACH 4073 Metabolic Epidemlgy for Health Professnals

Old code 25472.3 credit points. Semester: 1. Assumed knowledge: Health and Research Design BACH 1138 (251B0) or equivalent. Prerequisite: Epidemiology HIMT 3032 (09333).

Metabolic Epidemiology is the study of the distribution and determinants of health outcomes associated with human metabolic status. Metabolic status can be defined variously by anthropometric measures (eg, body measure of fat distribution), physiological measures (eg, muscle strength, energy expenditure, and exercise levels) and nutritional status (eg, dietary intake). This unit provides students with the background and skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of environmental interventions and the role of environment and metabolism with other factors in the aetiology of health outcomes.

BHSC 1001 Cultural Dimensions of Health

Old code 29101.4 credit points. Dr Gary Lee. Semester: 1. Assessment: 2000 word reflective paper on personal culture 50%, 2000 word reflective paper on cultural aspects of an institution or agency 50%.

This unit consists of four components investigating the centrality of culture in understanding health and illness. The introductory component provides an exploration of the concept of culture and an overview of its role in shaping health and illness experiences, health systems, policy and service provision models. This is followed by an exploration of cultural concepts of the self, the body, illness and health. In the culture and communication component, students will look at communication as culture process and the impact on communication within health care systems and between health care providers and consumers. Finally, the role of cultural organisational, regional, and international health and development regulations and agreements will be reviewed.

Students are encouraged to reflect upon their own status as cultural beings and to incorporate anawareness of cultural issues into their daily understanding of health-related interactions.

BHSC 1003 Introduction to Toxicology

Old code 29103.3 credit points. Dr Peter Knight. Semester: 2. Assessment: 2 hour end of semester exam.

This unit of study will introduce students to the classification and process of absorption and metabolism and effects of toxic environmental and industrial substances in the body. Topics will include a study of various toxic metals, gases, solvents, pesticides, carcinogens, air pollution and radiation.

BHSC 1004 Current Issues in Health Care 1

Old code 29104.3 credit points. Semester: 2. Assessment: 1000 word written assignment, take home exam (1000 words).

The aim of this unit is to expose students to contemporary issues related to consumers and community empowerment in health care. In particular, the students will be introduced to the Commonwealth Department of Health and Aged Care's agenda in relation to using information and communication technology to change the way health care is being delivered. Topics to be discussed include the role of the consumer in managing their own health; community involvement in health service planning, delivery and evaluation; the issues surrounding trust between the consumer/community and the government with particular emphasis on legislation, consumer collaboration and privacy and confidentiality. Initiatives to facilitate consumer access to reliable information on health conditions and treatments will also be discussed.

BHSC 2001 Ethical and Legal Aspects of Health Care

Old code 29201.6 credit points. Semester: 2.

This unit of study aims to develop the student's understanding of ethical and legal issues relating to health care. It is designed to

introduce students to the theoretical perspectives of ethical principles and reasoning. The unit also exposes students to the concept of applying ethical principles in the analysis of contemporary dilemmas in health care and in the conduct of research. Legal principles in health care are also studied. Topics covered include the origin and development of the structure of the court system, legal personnel and litigation, subpoena of witnesses and records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner's Court. The unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care systems and policies incorporated within the NSW Department of Health Patient Matters Manual.

BHSC 3004 **Introductory Computing**

Old code 29304.4 credit points. Semester: 1,2.

In this unit students are introduced to microcomputers. This includes the Windows Operating System, a spreadsheet and a word processing package. Students evaluate advantages and limitations of microcomputers in comparison to mainframe computers and learn to use Email, the Internet and CD-ROM knowledge bases.

BHSC 3005 **Advanced Computing**

Old code 29305.4 credit points. Semester: 1,2. Assumed knowledge: Introductory Computing BHSC 3004 (29304).

This unit introduces students to a third generation programming language. Nassi-Shneidermann diagrams as program design aids, to data types, data structures, functions and procedures. In the second half of the semester, the student will learn to use the database language SQL and to retrieve data from a database in CRS (Clinical Reporting System).

BHSC 3006 **Complementary Health Care in Health Professional Practice**

Old code 29306.4 credit points. Semester: 1,2.

This module will allow the student to explore the complementary/alternate health care options available to clients and the reasons for their use. It will provide the students with a fremework to evaluate the evidence (empirical and other) available on the effectiveness of available co plementary/ alternate health care practices. It will also provide the students the opportunity to develop skills to assist clients in selecting management options best suited to them.

At the end of this module the student will be in a position to:

- identify the range of therapies known as 'complementary health care'
- discuss the value of common methods in disease management
- locate information on specific complementary health care methods
- evaluate the evidence on the effectiveness of a specific method
- discuss a specific therapy with a client as relevant to their needs

Instructional methodology will include class discussion, team work and off campus structure learning exercises. Assessment will consist of case studies and team work presentations.

BHSC 3007 **Environmental Hazards**

Old code 29307.4 credit points. **Semester:** 1, 2. **Assumed knowledge:** Organisational Studies BACH 2039 (25215). **Prerequisite:** Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).

This unit of study examines potential sources of injury in the environment, with particular emphasis on the workplace. The topics covered are: chemical, physical, biological and environmental hazards, psychosocial hazards, radiation protection and biology, hazard and risk identification and job analysis. Formal and informal tools used to evaluate the environment will also be considered

BHSC 3008 **Risk Management**

Old code 29308.4 credit points. **Semester: 1**,2. **Assumed knowledge:** Organisational Studies BACH 2039 (25215). **Prerequisite:** Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).

In this unit, students will learn how to determine the risks associated with particular environments, the impact of those risks on work related activities and processes, and how the risks can be reduced, and their potential harm minimised. The practical focus is on the conduct of risk assessments, and the measures that can be taken to reduce its impact on the environment. Measures include the role of (preventative) occupational health and safety legislation, planning or changing the environment, and the activities and practices conducted in the environment.

BHSC 3009 **Environmental and Occupational Health**

Old code 29309.3 credit points. **Semester: 1,2. Assumed knowledge:** Organisational Studies BACH 2039 (25215). **Prerequisite:** Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).

This unit examines common physical diseases associated with the environment. The topic areas to be studied will be cancers, diseases of the reproductive, respiratory, immune, cardiovascular, and neurological systems, and the integument. Allergies will be studied. The second key area of study are mental diseases associated with the environment.

BHSC 301**0** **Environmental Safety**

Old code 29310.4 credit points. **Semester:** 1, 2. **Assumed knowledge:** Epidemiology HIMT 3032 (09333). **Prerequisite:** Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).

Environmental safety focuses on accident prevention, transport safety, safety in the built environment (domestic and workplace) and the prevention and management of traumatic injury.

BHSC 3011 **Ergonomics in Environmental Health**

Old code 29311.4 credit points. **Semester: 1,2. Assumed knowledge:** Functional Anatomy A BIOS 1135 (111E2), Functional Anatomy B BIOS **1**138 **(1**11E5). **Prerequisite:** Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333).

This unit begins with a study of the general principles of ergonomics, building on a basis of anatomy and biomechanics studied elsewhere in the program. Students will then examine topics related to ergonomics in the environment, namely repetitive movement, physical strain, manual handling, musculo-skeletal injuries and ergonomic design, and relevant industry standards and codes of practice in controlling ergonomic risks.

BHSC 3012 **Occupational Rehabilitation and Worker Compensation**

Old code 29312.4 credit points. **Semester: 1,2. Prerequisite:** Risk Management BHSC 3008 (29308).

This unit focuses on the policies relating to, and practice of occupational rehabilitation. The legislative requirements of the NSW Workers' Compensation (Rehabilitation) Act are used to provide a framework for understanding the provision of workplace-based rehabilitation following workplace injury and illness. Factors associated with the planning, implementation and evaluation of workplace rehabilitation programs will be examined and applied. It also addresses barriers to rehabilitation and return to the workforce. The subject is taught from a practical perspective, involving the use of case studies. Successful completion of this unit of study provides WorkCover Rehabilitation Coordinator accreditation.

BHSC 3014 **Principles of Toxicology 1**

Old code 29314.4 credit points. **Semester: 1,2. Prerequisite:** Introduction to Toxicology BHSC 1003 (29103).

NB: First offered in 2005

This unit forms the basis of the study of toxicology within the program. The following topics will be studied: chemical principles related to toxicology and basic functioning of systems affected by toxins.

BHSC 3015 **Principles of Toxicology 2**

Old code 29315.3 credit points. **Semester:** 1, 2. **Prerequisite:** Introduction to Toxicology BHSC 1003 (29103).

In this unit the following topics will be studied: the biochemical basis of toxicity, the nature of toxic effects, factors influencing toxicity, and pharmacokinetics of toxic agents. The effects of toxic agents on various body systems will be studied.

BHSC 3016 **Principles of Toxicology 3**

Old code 29316.3 credit points. **Semester: 1, 2. Prerequisite:** Introduction to Toxicology BHSC 1003 (29103).

In this unit the following topics will be studied: the effects of toxic agents on various body systems, carcinogenesis, mutagenesis and reproductive toxicology, developmental toxicology, applications of toxicology. The radiobiological effects of ionising radiation and heat will be studied. Legislative issues relevant to toxicology will be addressed in this unit of study.

BHSC 3017 Principles of ToxicologicalTesting

Old code 29317.4 credit points. **Semester: 1, 2. Prerequisite:** Introduction to Toxicology BHSC 1003 (29103), Epidemiology HIMT 3032 (09333).

This unit will introduce students to the principles of experimental toxicology, techniques used to assess toxic effects, and the methods used to differentiate the effects of acute and chronic exposures, screening tests for toxicity including tests for genetic toxicity and carcinogenesis. Ethics will also be studied in this unit.

BIOS 1124 Human Biology and Biochemistry

Old code 111D2.4 credit points. Dr Peter Knight. Semester: 1. Assumed knowledge: Basic Chemistry. Assessment: Mid Semester Exam (MCQ and SAQ) 20% and End Semester Exam (MCQ and SAQ) 80%.

NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease, and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas - the basic processes fundamental to life, and growth and development which is the outcome of the basic processes.

The following topics are studied: the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development.

Teaching in this unit of study will comprise lectures, general worksheets, practical classes, Web based material to support lectures and discipline specific tutorials and self learning activities.

BIOS 1132 Neuroscience I

Old code 111D9.3 credit points. Dr Bulent Turman. **Semester: 2. Assessment:** Assignment 10%, Mid-Semester Exam 30%, End Semester Exam 60%.

This unit of study introduces the students to fundamental concepts of nervous system functioning and the structure of muscle tissue. Students are initially introduced to basic structure of the nervous system and neurones. This is followed by an understanding of basic electrical concepts underlying neural signals. The'sites of signal transmission and communication in the nervous system, including central synapses, the neuromuscular junction and receptors are discussed. The structure, contractile process, mechanics and biochemistry of skeletal cardiac and smooth muscles are covered. The unit includes laboratory classes in which human cadavers are studied.

BIOS 1134 Basic Sciences for Health Studies

Old code 111E1.6 credit points. Dr Ian Cathers. **Semester: 1. Corequisite:** Human Biology and Biochemistry BIOS 1124 (111D2). **Assessment:** Written report (2000 words) 30%, mid-semester exam 20%, end-semester exam 50%.

This unit of study will provide students with a general introduction to the sciences of chemistry, biochemistry and physics as they apply to health studies. The material covered in this subject will provide a basis for more advanced subjects studied later in the program, and would also form a suitable basis for postgraduate programs in Health Sciences.

BIOS 1135 Functional Anatomy A

Old code 111E2.4 credit points. Dr Karen Ginn. **Semester: 1**. **Classes:** On campus, 41 hours. **Assessment:** Mid-Semester practical exam (25%); end semester practical exam (25%); end semester examination (50%).

This unit of study begins with an introduction to the study of anatomy with particular reference to the musculoskeletal system. A detailed study of the gross anatomical structure and functional anatomy of the upper limb will then be undertaken. In this unit of study we will also examine the histological features of the tissues of the musculoskeletal system, and examine the ways in which some of these tissues are altered by varying activity states - eg, weight bearing versus non-weight bearing exercise versus bed rest. Material will be presented in lectures, tutorials and practical sessions, students wiU also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Adas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publishers.

BIOS 1138 Functional Anatomy B

Old code 111E5.3 credit points. Dr Karen Ginn. Semester: 1. Classes: On campus, Anatomy of the lower limb 17 hours (8lect/9 prac); Anatomy of the vertebral column, thorax & pelvis 13 hours (7lect/6 prac). Assumed knowledge: Functional Anatomy A BIOS 1136 (111E3). Assessment: Intrasemester practical exam (35%), end semester exam (65%).

This unit of study begins with a detailed examination of the gross anatomical structure and functional anatomy of the lower limb: During the second half of the semester students will study the gross anatomy, and its functional applications, of the vertebral column thoracic cage and pelvis. Material will be presented in lectures, tutorials and practical sessions, students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

Textbooks

1. Anatomy and Human Movement (4th ed). Palastanga, Field & Soames. Butterworth Heinemann Publishers.
2. McMinn's Colour Atlas of Human Anatomy (4th ed). Abrahams, Hutchings & Marks. Mosby Publisher.

BIOS 1140 Neuroscience II

Old code 111E7.3 credit points. Dr Ros Bohringer. **Semester: 1. Assessment:** Mid semester exam 30%, end semester exam (70%).

This unit of study aims to provide basic understanding of the anatomy and physiology of neural structures. The anatomy of the spinal cord and the brain is presented and studied on models and human cadavers. The basic mechanisms of spinal reflexes and the function of the somatosensory system comprise the physiological aspects of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for the students of the profession.

Textbooks

Neuroanatomy, an illustrated colour text (2nd Ed.). Crossman, A. R. and D. Neary. Churchill Livingstone.

BIOS 2100 Applied Body Systems 1

Old code 112F5.6 credit points. Ms Meg Stuart. **Semester:** 1. **Prerequisite:** Human Biology and Biochemistry BIOS 1124 (111D2). **Assessment:** Mid semester spot tests (x2): 10% and 15% End semester exam: 75%.

This unit of study will introduce students to the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal and cardiovascular systems will be undertaken, leading to a focus on the important diseases related to these systems and their effects on the body. The bases for the management of these diseases will be examined. Material will be presented in lectures and practical sessions. Students will be expected to complete computer based self directed learning packages prior to some practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS 2101 Applied Body Systems 2

Old code 112F6.6 credit points. Semester: 2. Prerequisite: Human Biology and Biochemistry BIOS 1124 (111D2). Assessment: Mid semester exam: 30% End semester exam: 70%.

This unit of study begins with a brief introduction to the basic concepts of pharmacology to enable students to understand the actions of drugs on each of the body systems as they are later covered in this unit and Applied Body Systems 3. The essential principles of infection control in health care practice are presented, and a detailed study of blood and the immune system is undertaken, highlighting their roles in disease prevention and response to trauma. The part played by the immune system in producing disease will also be covered. The normal structure and function of the respiratory and digestive systems will be described, leading to a focus on the important diseases related to these systems and their effects on the body. The bases for the management of these diseases and diseases in which the immune system plays an integral role will be examined. Material will be presented in lectures, tutorials and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

BIOS 3049 **Hormones, Metabolism and Exercise**

Old code 113A2.4 credit points. Dr Margaret Bermingham. **Semester: 2. Prerequisite:** Basic Human Biology, Basic Sciences for Health Studies BIOS 1134 **(111**E1). **Assessment:** Student Seminars, Mid-Semester Exam, End-Semester Exam.

This unit examines the structure and function of hormones, the regulation and response of hormones to exercise and the role hormones play in the exercise response. Particular attention is given to the role and response of hormones with respect to the specificity of exercise, environmental stress, training and clinical states such as diabetes, amenorrhoea and osteoporosis.

BIOS 4035 **Sexuality for Health Professionals**

Old code 11489.3 credit points. Dr Patricia Weerakoon. Semester: 1, 2. Prerequisite: Students will be required to be in second year or higher in their professional training. Assessment: Group work assignment, an individual assignment and an on-line mastery type multiple-choice test.

NB: This course is offered on-line. Attendance on campus is required only for the first session in week one of the semester.

This unit will examine the bio-psycho-social aspects of sexuality and health care, and assist health professionals to develop services for clients who have sexual or reproductive concerns. The course unit will provide a learning opportunity for the integration and application of prior learning in the disciplines involved. It will build on an existing knowledge base in the basic sciences and the professional disciplines. In addition the students will be encouraged to examine their athtudes towards a range of sexual behaviours and develop skills in sexual history taking. Sexuality will be explored from a life cycle perspective. Sexual development will be traced from sexual differentiation to old age with consideration of the range of sexual expression at each stage. Students will explore 'normal' and 'dysfunctional' behaviour and available management options. They will be given the opportunity to explore individual interest areas in depth.

Students will also be involved in experiential learning activities including value clarification exercises and off campus experiences. Collaborative learning will be encouraged with on-line group discussions. Enrollment in this unit will be limited to 80 participants.

BIOS 4037 **Applied Biology of Ageing**

Old code 11491.4 credit points. Dr Peter Knight. Semester: 1. Classes: Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. Corequisite: Biology of Ageing BIOS 4036 (11490). Assessment: Assignment.

This unit of study examines the physiological changes associated with the normal process of ageing, and the decrease in functional capacity that occurs as a result. An emphasis is placed on the concept of 'reserve capacity' as a key factor differentiating normal ageing from disease. The following topics are studied: introduction to ageing, the cardiovascular, respiratory, immune, nervous, musculoskeletal, renal and endocrine systems, the skin, nutrition and pharmacology.

BIOS 4039 **Biological Aspects of Disease Management**

Old code 11493.4 credit points. Dr Peter Knight. **Semester:** 2. **Classes:** Presented in flexible mode, comprising learning packages and readings, seminar presentations. **Corequisite:** Health, Disease and Ageing BIOS 4038 (11492). Assessment: Assignment.

While ageing and disease are not synonymous, the incidence of disease increases as people age. This unit of study examines the disease processes, and other physical health issues, which are important as people age. These issues are addressed in terms of:

- the factors responsible for the increased incidence of disease and disability in the aged;
- the role of environmental factors in an individuals adaptation to ageing;
- the relationship between disease and functional limitation;
- the measures which can be taken to minimise the development of physical disease and disability; and
- the important diseases affecting various body systems. Sexuality will also be addressed in this unit.

There will be in-depth consideration of one common disease of the aged, and its management in terms of prevention, treatment and residual disability.

EXSS 1019 **Fundamentals of Exercise Science**

Old code 22115.4 credit points. Ms Rhonda Orr. Semester: 2. Assessment: Mid-semester exam, end-semester exam.

This unit provides the student with an understanding of the fundamental principles and practices of exercise science and its application to sport, fitness and rehabilitation. The unit examines the energetics of exercise, ergometry, standard screening procedures for fitness testing and the principles and practice of submaximal aerobic fitness testing.

Practical: 2 hours per week

EXSS 2008 **Biomechanics**

Old code 22208.4 credit points. Mr Michael Lee. **Semester: 1. Classes:** 40 hours. **Assessment:** Mid semester written examination and End of semester written examination.

This unit has three parts. The first part covers the theory of dynamics with particular application to human bodies and follows on directly from the kinematics studied in Functional AnatomyABIOS 1135 (111E2) and Functional Anatomy B BIOS 1139(111E6). The second part deals with the active and passive mechanical behaviour of body tissues while the third part considers specific applications of biomechanics of topics of interest to physiotherapists.

Textbooks

Dynamics of the Human Body. Lee, M. (1997) Sydney: Zygal.

HIMT1044 **Health Care Systems in Australia**

Old code 09144.6 credit points. Semester: 2.

In this unit students are given an overview of the Australian Health Care System. Topics covered include: Commonwealth and state responsibilities for health, health care expenditure, health insurance, health care facilities, and the health workforce. Trends in the provision of health care services are discussed along with an introduction to approaches to measuring the effectiveness of the health care system.

HIMT3032 **Epidemiology**

Old code 09333.4 credit points. Dr Aditi Dey. **Semester: 2. Classes:** Attendance required, Day classes. **Assessment:** Assignments/ examination.

NB: Student places are limited

This unit introduces students to epidemiology, through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies and quantitative aspects of epidemiological research. This unit also includes issues pertaining to screening tests, disease outbreaks, randomised controlled trials, surveillance and critical appraisal of documented research.

Textbooks

The Health of Populations: An Introduction.Harper, A.C., Holman, CD. J., & Dawes, V.P (1994). Melbourne: Churchill Livingstone

OCCP 1054 **Leisure in Australia**

Old code 15155/15155X. 4 credit points. Dr Norm Kelk. **Semester: 1**. **Classes:** On campus 3 hours/week, Off campus. **Assessment:** Assignment, examination.

This unit of study provides an historical and sociological understanding of the evolution of leisure in Australia. Students will consider the influences of Aboriginal and European culture on contemporary Australian culture and leisure and how politics, gender, ethnicity and morality influence the way leisure in experienced today. The unit introduces the principles involved in understanding the various concepts, theories and disciplinary perspectives involved in the study of leisure and more specific principles involved in the study of leisure and health.

OCCP 1057 **Creative Arts in Recreation**

Old code 15158/15158X. 4 credit points. Dr Norm Kelk. **Semester: 1** (off-campus), 2 (on-campus). Classes: On campus 3 hours/week. **Assessment:** Assignments.

NB: Advanced standing (OC only)

This is a very practical unit that introduces students to a variety of visual and performance art activities. Typically these activities include handcrafts, music, drama, dance, storytelling and improvisational games. Students develop and practice their leadership skills by planning and implementing a variety of activities that are taught to their peers as a large group. Issues of participation for individuals within specific groups are a focus of this unit.

OCCP 2058 **Social Psychology of Leisure and Play**

Old code 152B6/152B6X. 3 credit points. Dr Norm Kelk. **Semester:** 1. **Classes:** On campus 2 hours/week/Off campus. **Assessment:** Assignments, examination.

This unit of study aims to broaden student's understanding of the behaviour of individuals within the social contexts of leisure and play. Students will examine and discuss various theories and the interpretation, application and relevance of the theories to the professional arena of leisure and health. Content areas examine elemental themes such as the relativity of freedom and intrinsic

motivation. Consistent themes throughout the unit re-late to the role of leisure in the construction of the self and the evolution of communication and the significance of play as a cultural phenomenon. Factors that influence social interaction, personal and social roles, and self-development are examined both theoretically and as issues that impact on leisure and health service delivery.

OCCP 2059 Learning Processes and Leisure Education

Old code 152B7/152B7X. 3 credit points. Dr Norm Kelk. **Semester: 1. Classes:** On campus 2 hours/week, Off campus. **Assessment:** Assignments.

This unit of study explores the concepts of teaching and learning, examines the significance of motivation, feedback and reinforcement in the learning process, and considers ways this knowledge can be applied to recreation and leisure programs. Students will be introduced to task analysis, planning and organising teaching sequences, and experiential learning approaches to learning and will be given the opportunity to practice specific teaching skills in simulated teaching - learning environment. Practical skills related to leisure education will be developed in this unit and students will explore a number of approaches available to assess clients' leisure needs and choices.

OCCP 3051 Outdoor Recreation and Education

Old code 15394/15394X. 3 credit points. Dr Norm Kelk. **Semester: 1,2. Classes:** on-campus 1 hour lecture/week, I hour tutorial/week; off-campus block mode. **Assumed knowledge:** Communication skills, Basic counselling skills. **Assessment:** 1500-2000 word essay (50%), Skills-based assessment (50%).

This unit's focus is outdoor education in adventure based practice and is comprised of three major components. The first component introduces the notions of experiential education and 'reflection in learning' using associated theories and definitions and the practical apphcation of critical reflection in learning. The second component examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third component explores the processing of learning through a variety of debriefing methods including the Outward Bound model, frontloading, and metaphoric transference of learning. The third module is taught in block mode, usually over two days at an outdoor education centre where students practise advanced debriefing skills in real adventure experiences. A fee is payable by students for the latter part of the program.

Practical: Two days per semester

OCCP 3052 Research Project in Leisure and Health

Old code 15395.4 credit points. Dr Norm Kelk. **Semester:** 2. **Classes:** On campus 3 hours/week. **Assessment:** Assignments.

NB: This unit is only available to students after completion of 4 semesters (full time equivalent) of the course.

This unit of study allows students to research and investigate an area that is of particular professional interest to them. It provides opportunities for students to further develop specialised knowledge and skills through an examination and critical re-view of the literature and the writing of a research paper which demonstrates an in-depth investigation and integration of information from a variety of sources.

17 Singapore conversion courses

This chapter provides detailed course information about off-shore (Singapore-based) conversion courses to bachelor degrees in nursing, occupational therapy, physiotherapy and medical radiation sciences.

The off-shore programs are conducted in Singapore by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. They arose from a successful tender by the Faculty to conduct conversion courses for health professionals, namely, nurses, occupational therapists, physiotherapists, and medical radiation technologists who are local residents of Singapore. Graduates from these programs will receive an award from the University of Sydney. The courses are conducted in a part-time modular mode, the duration being twelve months to two years (see individual program entries). Several units of study described'in the nursing program are common to the occupational therapy, physiotherapy and medical radiation technology programs (see individual program entries).

Each unit of study is conducted over a two week period and comprises of twenty to thirty hours of student contact. Units are programmed to allow time between each unit for completion of assessment tasks.

The ongoing responsibility for the management of the programs lies with the Faculty of Health Sciences. Staff in the Faculty Office coordinate interactions with the Singapore Institute of Management, the Singapore Ministry of Health and the University's Faculty of Nursing. The role of the Singapore Institute of Management is to provide a vehicle for implementing the courses.

The Faculty of Health Sciences also offers full-time on-shore (Sydney-based) Singapore Conversion programs in occupational therapy, physiotherapy and radiography. These courses are specifically designed for 'A level entry' diplomats who have graduated from Nanyang Polytechnic to convert their diploma qualifications to a bachelor degree.

■ Bachelor of Health Science (Nursing)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) a Diploma in Nursing from Nanyang Polytechnic, Singapore; OR
ii) an approved Diploma in Nursing from an approved institution; OR
iii) a Certificate in Nursing from the Singapore School of Nursing, or its equivalent; AND
iv) a minimum of twelve months nursing clinical practice; AND
v) employment as a registered nurse in a working environment appropriate to their profession and acceptable to the University.

Course outline

The course outline for the Bachelor of Health Science (Nursing) course is presented in Table 17.1 and Table 17.2.

Each unit of study is conducted over a two week period and comprises of twenty hours of student contact and five hours of independent study.

Table 17.1: Bachelor of Health Science (Nursing)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2005: Part-time, 4 semesters, January (Semester 1) start					
■ Year 1					
SING 4038	*20438*	Health Care Ethics	3		1
SING 4039	*20439*	Legal Perspectives and Health Care	3		1
SING 4040	*20440*	Patient/Client Education	3		2
SING 4041	*20441*	Managing Resource Demands in Health Services	3		2
SING 4042	*20442*	Pathophysiology A	3		2
SING 4043	*20443*	Pathophysiology B	3		2
SING 4048	*20448*	Nursing Knowledge and Health Care in Singapore	6		1
Stage total for Year 1:			24 credit points		
■ Year 2					
SING 4044	*20444*	Research Methods I	3		1
SING 4045	*20445*	Research Methods II	3		1
SING 4046	*20446*	Sociology of Work and Organisations	3		2
SING 4047	*20447*	Sociology of Patient-practitioner Relations	3		2
SING 4049	*20449*	Advanced Clinical Studies I	6		1
SING 4050	*20450*	Advanced Clinical Studies II	6		2
Stage total for Year 2:			24 credit points		

Table 17.2: Bachelor of Health Science (Nursing)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2015: Part-time, 4 semesters, July (Semester 2) start					
■ **Year 1**					
SING 4062	*20462*	Health Care Ethics	3		2
SING 4063	*20463*	Legal Perspectives and Health Care	3		2
SING 4064	*20464*	Patient/Client Education	3		1
SING 4065	*20465*	Managing Resource Demands in Health Services	3		1
SING 4066	*20466*	Pathophysiology A	3		1
SING 4067	*20467*	Pathophysiology B	3		1
SING 4072	*20472*	Nursing Knowledge and Health Care in Singapore	6		2
Stage total for Year 1:			24 credit points		
■ **Year 2**					
SING 4068	*20468*	Research Methods I	3		2
SING 4069	*20469*	Research Methods **II**	3		2
SING 4070	*20470*	Sociology of Work and Organisations	3		1
SING 4071	*20471*	Sociology of Patient-practitioner Relations	3		1
SING 4073	*20473*	Advanced Clinical Studies I	6		2
SING 4074	*20474*	Advanced Clinical Studies II	6		1
Stage total for Year 2:			**24** credit points		

■ Bachelor of Health Science (Physiotherapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) a Diploma in Physiotherapy from Nanyang Polytechnic, Singapore with 'A level' entry; OR

ii) an approved Diploma in Physiotherapy from outside Singapore, minimum three years, with entry level at the minimum eligibility requirements in the GCE A level examinations or their equivalent.

Note: Applications will be assessed on the basis of academic merit.

Course outline

The course outline for the Bachelor of Health Science (Physiotherapy) course is presented in Table 17.3.

Table 17.3: Bachelor of Health Science (Physiotherapy)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2006: Part-time, 2 semesters, July (Semester 2) start					
Year 1					
SING 4051	*20451*	Evaluation in Physiotherapy			
SING 4052	*20452*	Topics in Physiotherapy Management			
SING 4053	*20453*	Advanced Physiotherapy Studies			
■ **Elective units of study**					
Electives			Semester 1 credit points: 12.		
Students must select four elective units of study. Availability is subject to enrolment and timetabling constraints.					
SING **4038**	*20438*	Health Care Ethics	3		1
SING **4039**	*20439*	Legal Perspectives and Health Care	3		1
SING **4064**	*20464*	Patient/Client Education	3		1
SING **4065**	*20465*	Managing Resource Demands in Health Services	3		1
SING **4066**	*20466*	Pathophysiology A	3		1
SING **4067**	*20467*	Pathophysiology B	3		1
Stage total for Year 1:			24 credit points		

■ Bachelor of Health Science (Occupational Therapy)

Off-shore (Singapore based)

Admission requirements

Applicants should possess:

i) A Diploma in Occupational Therapy from Nanyang Polytechnic, Singapore, with 'A level' entry; OR

ii) An approved Diploma in Occupational Therapy from outside Singapore, rninimum three years, with entry level at the minimum eligibility requirements in the GCE A level examinations or the equivalent; PLUS

iii) Currently working as an occupational therapist

Course outline

The course outline for the Bachelor of Health Science (Occupational Therapy) course is presented in Table 17.4.

Table 17.4: Bachelor of Health Science (Occupational Therapy)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2007: Part-time, 2 semesters, July (Semester 2) start					
■ **Year 1**					
SING 4054	***20454***	Community Based Programs Development	3		2
SING 4055	***20455***	Managing Occupational Therapy Services	3		2
SING 4056	***20456***	Cognitive and Perceptual Components of Occupation	3		1
SING 4057	***20457***	Advanced Communication Techniques in Occupational Therapy	3		1
■ **Elective units of study**					
Electives Semester 1 credit points: 6. Semester 2 credit points: 6. Students must select four elective umts of study. Availability is subject to enrolments and timetabling constraints.					
SING 4038	***20438***	Health Care Ethics	3		1
SING 4039	***20439***	Legal Perspectives and Health Care	3		1
SING 4041	***20441***	Managing Resource Demands in Health Services	3		2
SING 4042	***20442***	Pathophysiology A	3		2
SING 4043	***20443***	Pathophysiology B	3		2
SING 4046	***20446***	Sociology of Work and Organisations'	3		2
Stage total for Y e a r 1 :			24 credit points		

■ Bachelor of Health Science (Medical Radiation Technology)

Off-shore (Singapore based)

Admission requirements

EITHER

i) a Diploma in Radiography from Nanyang Polytechnic, Singapore, with 'A level' entry; OR

ii) a Diploma of the College of Radiographers (Singapore) or equivalent, with entry level at the minimum eligibility requirements in the GCE A level examinations or their equivalent.

Students admitted through option (ii) will be required to undertake Research Methods 1 & 2 in addition to the four electives.

Course outline

The course outline for the Bachelor of Health Science (Medical Radiation Technology) course is presented in Table 17.5.

Table 17.5: Bachelor of Health Science (Medical Radiation Technology)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 2008: Part-time, 2 semesters, July (Semester 2) start. Students admitted through option (ii), 3 semesters					
■ **Year 1**					
SING 4059	***20459***	Computer Communication in Medical Radiation Technology	3		2
SING 4061	***20461***	The Quality Perspective Applied to Medical Radiation Technology	3		1
SING 4075	***20475***	Integrated Diagnosis and Treatment	3		1
SING 4076	***20476***	Radiographic Interpretation of Pathology	3	***NB: Diagnostic students only.***	2
SING 4077	***20477***	Applications of Medical Imaging in Radiation Therapy	3	***NB: Radiation Therapy students only.***	2
■ **Elective units of study**					
Electives Semester 1 credit points: 6. Semester 2 credit points: 6. Students must select four elective units of study. Availability is subject to enrolments and timetabling constraints.					
SING 4038	***20438***	Health Care Ethics	3		1
SING 4039	***20439***	Legal Perspectives and Health Care	3		1

Table 17.5: Bachelor of Health Science (Medical Radiation Technology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
SING 4040	***20440***	Patient/Client Education	3		2
SING 4041	***20441***	Managing Resource Demands in Health Services	3		2
SING 4042	***20442***	Pathophysiology A	3		2
SING 4043	***20443***	Pathophysiology B	3		2
SING 4044	***20444***	Research Methods I	3		1
SING 4045	***20445***	Research Mediods II	3		1
SING 4046	***20446***	Sociology of Work and Organisations	3		2
SING 4047	***20447***	Sociology of Patient-practitioner Relations	3		2
Stage total for Year 1:			**24** credit points		

■ Bachelor of Health Science (Medical Radiation Technology)

On-shore (Sydney based)

This program is a one year conversion course that leads to a Bachelor of Health Science (Medical Radiation Technology) degree. This course has been designed to complement the three year full-time Diploma in Medical Radiation Technology of the Nanyang Polytechnic by extending the latter's content with emphasis on critical and intellectual inquiry into the fields of Diagnostic Radiography or Radiation Therapy. Graduates of this program would not automatically be accredited by the Australian Institute of Radiography. Enquiries with regard to professional accreditation should be directed to that institute.

Availability is subject to numbers. Contact John Robinson, School of Medical Radiation Sciences. Note: Information on BAppSc program for Nanyang Polytechnic graduates found at casino.cchs.usyd.edu.au/mrs/.

Admission requirements

Applicants should possess:

i) an 'A level' entry Diploma in Medical Radiation Technology program from Nanyang Polytechnic, Singapore; OR

ii) an equivalent award unit as approved by the Head of School, such approval may require additional areas of study.

Course outline

The course outline for the one year Bachelor of Health Science (Medical Radiation Technology) conversion course is presented in Table 17.6.

Table 17.6: Bachelor of Health Science (Medical Radiation Technology)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1830 [D]: Pass degree; full-time, 1 year Course code 1831 [R]: Pass degree; full-time, lyear					
■ **Common units**					
BACH 3068	***25366***	Behavioural Science IIIA	5		1
BACH 3069	***25367***	Behavioural Science IIIB	5		2
MRTY 2037	***18237***	Radiation Protection	1		1
MRTY 2038	***18238***	Radiation Biology	1		2
MRTY 3037	***18337***	Image Processing A	2	P (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).	1
MRTY 3038	***18338***	Image Processing B	1	p (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).	1
MRTY 3057	***18357***	Field Project A	4		1
MRTY 3058	***18358***	Field Project B	11		2
Subtotal:			28 credit pointsfor Common units		
■ **Diagnostic Radiography**					
MRTY 3032	***18332***	Radiographic Pathology II	2	P (except Singapore courses) Radiographic Pathology IB MRTY 2046 (18246).	2
MRTY 3033	***18333***	Contrast Media	2	p (except Singapore courses) Introductory Human Biology BIOS 1084 (11193). C Radiography IIA MRTY 3043 (18343), Clinical Education EIA MRTY 3035 (18335).	1
MRTY 3039	***18339***	Sonography A	2		
MRTY 3040	***18340***	Sonography B	2		2
MRTY 3041	***18341***	Imaging IIA	4	p (except Singapore courses) Radiation Biology MRTY 2038 (18238), Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). C (except Singapore courses) Image Processing A MRTY 3037 (18337).	1

Table 17.6: Bachelor of Health Science (Medical Radiation Technology) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
MRTY 3042	*18342*	Imaging IIB		P (except Singapore courses) Radiation Biology MRTY 2038 (18238) Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). C (except Singapore courses) Image Processing B MRTY 3038 (18338).	
MRTY 3043	*18343*	Radiography IIA	4	P (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). C (except Singapore courses) Clinical Education EIA MRTY 3035 (18335).	1
MRTY 3044	*18344*	Radiography IIB	2	P (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). C (except Singapore courses) Clinical Education mA MRTY 3035 (18335).	2
Subtotal:			20 credit points for Diagnostic Radiography		
Total:			48 credit points for Common units + Diagnostic Radiography		
■ Radiation Therapy					
MRTY 3034	*18334*	Radiation Therapy Project		P (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Clinical Education *UC* MRTY 2034 (18234). c Behavioural Science IIIABEHS 3073 (103C6). *NB: This unit is offered in Semester 1 and 2 and has a value of 4 credit points for Singapore conversion courses.*	Full year
MRTY 3049	*18349*	Radiation Therapy IIA	5	P (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Radiotherapy Physics IB MRTY 2056 (18256). C (except Singapore courses) Clinical Education mc MRTY 3030 (18330).	1
MRTY 3050	*18350*	Radiation Therapy IIB	3	P (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253). c (except Singapore courses) Clinical Education mc MRTY 3030 (18330).	2
MRTY 3051	*18351*	Radiotherapy Physics IIA	2	P (except Singapore courses) Radiotherapy Physics IB MRTY 2054 (18254).	1
MRTY 3052	*18352*	Radiotherapy Physics IIB	2	P (except Singapore courses) Radiotherapy Physics IIA MRTY 3051 (18351).	2
MRTY 3053	*18353*	Principles of Oncology A	2	P (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).	1
MRTY 3054	*18354*	Principles of Oncology B	2	P (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).	2
Subtotal:			20 credit points for Radiation Therapy		
Total:			48 credit points for Common units + Radiation Therapy		

■ Bachelor of Health Science (Occupational Therapy)

On-shore (Sydney based)

This is a one semester (Semester 1 only) full-time degree conversion course leading to the award of a Bachelor of Health Science (Occupational Therapy) degree. This course has been designed to complement the 3-year full-time Diploma in Occupational Therapy Course of the Nanyang Polytechnic by extending the latter's content and level to that equivalent to a 4-year full-time bachelor's degree.

After Semester 1, students of this course will be assisted, if so requested, to find a two-week professional practice observational attachment at a relevant sethng. It is optional, non-assessable and does not contribute to any credit points earning.

Diplomates enrolling into this course will gain added value in further academic development and future professional autonomy. They would be able to choose three professional elective units for in-depth study. Furthermore, they will be eligible to enrol, after graduation, into relevant graduate courses at a later date if so desired.

Admission requirements

- Holders of an 'A level' entry Diploma in Occupational Therapy awarded by the Nanyang Polytechnic in Singapore; PLUS
- Six months full-time professional practice experience working as an occupational therapist.

Course outline

The course outlines for the Bachelor of Health Science (Occupational Therapy) course are presented in Table 17.7.

Table 17.7: Bachelor of Health Science (Occupational Therapy)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1558: Pass course, full-time, Semester 1					
Professional electives					
Professional electives			Semester 1 credit points: 24.		
Students choose three professional electives of 8 credits points each from the following 9 alternatives:					
OCCP 4055	*154B8*	Adolescent and Family Mental Health	8		1
OCCP 4056	*154B9*	OT for Children with Learnning & Coord Difficulties	8		1
OCCP 4057	*154C0*	Upper Limb/Hand Therapy	8		1
OCCP 4058	*154C1*	Advanced Communication & Management	8		1
OCCP 4061	*154C4*	Culture and Communication	8		1
OCCP 4062	*154C5*	Community Based Rehabilitation	8		1
OCCP 4063	*154C6*	Evaluation of OT Programs	8		1

Table 17.7: Bachelor of Health Science (Occupational Therapy) (continued)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
OCCP 4064	*154C7*	Peer Assisted Learning & Adolescent Role Development	8	P Completion of PAL tutoring.	1
OCCP 4065	*154C8*	Supporting families and Protecting Children			
OCCP 4066	*154C9*	The Use of Creative Arts in Occupational Therapy			
OCCP 4067	*154D0*	Assessing Cognitive Impairments in Adults & Children			
OCCP 4068	*154D1*	OT in Occupational Health, Safety & Rehabilitation	8	P Human Occupations III OCCP 3030 (15379).	

NB: The period of study commences 5 weeks prior to Semester 1 for a Study Preparation Program.

Stage total: 24 credit points

■ Bachelor of Health Science (Physiotherapy)

On-shore (Sydney based)

The conversion program is nine months full-time. This program leads to a Bachelor of Health Science (Physiotherapy) degree and aims to equip students with the appropriate knowledge, skills and athtudes to work effectively as members of the physiotherapy profession. Graduates of this program may apply individually for registration as physiotherapists with the Physiotherapists' Registration Board of New South Wales.

Admission requirements

Entry will be restricted to diplomates who have completed the 'A level' entry Diploma in Physiotherapy from Nanyang Polytechnic in Singapore. This pass level conversion course is designed to complement the content of the current Diploma in Physiotherapy offered by the School of Health Sciences, Nanyang Polytechnic, Singapore.

Note: Applications will be assessed on the basis of Academic merit.

Course outline

The course outline for the Bachelor of Health Science (Physiotherapy) conversion course is presented in Table 17.8.

Note: Students will normally complete all units listed in the sequence in which they appear in the handbook. Permission to alter this sequence must be obtained from the Head of School.

Table 17.8: Bachelor of Health Science (Physiotherapy)

Unit code	Old code	Unit name	CP	A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition	Semester
Course code 1681: Full-time over 9 months (January to September)					
NB: The period of study commences 5 weeks prior to Semester 1 for a Study Preparation Program and extends to week 5 of Semester 2 of the academic calendar. In the year 2003 the period is Monday 20 January to Friday 5 September.					
PHTY 4066	*164G7*	Clinical Education IVA		P (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	1
PHTY 4067	*164G8*	Clinical Education IVB		p (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066.(164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education rVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).	
PHTY 4068	*164G9*	Evidence-Based Practice	3	P (except Singapore courses) Research Methods I: Design BACH 1026 (251 IF), Research Methods II: Data Analysis BACH 2026 (2521F).	Full year
PHTY 4069	*164H0*	Complex Cases	2	P (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Musculoskeletal Physiotherapy III PHTY 3036 (16337), Neurological Physiotherapy I PHTY 3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341).	Full year
PHTY 4070	*164H1*	Elective	2		Full year
PHTY 4071	*164H2*	Advanced Manipulation Skills	1	P (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3036 (16337).	2
PHTY 4072	*164H3*	Neurological Physiotherapy II	1	P (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338).	2
Stage total:			27 credit points		

■ Units of study

BACH 3068 Behavioural Science IIIA
Old code 25366.5 credit points. **Semester:** 1.
There are two units in this unit. The first unit on Life Stress provides students with an understanding of reactions to stress particularly in health care sethngs. The second unit, Introduction to Research Methods examines the research process, design and statistics applied mainly to the critical evaluation of research literature.

BACH 3069 Behavioural Science IIIB
Old code 25367.5 credit points. Semester: 2.
There are two units in this unit. The unit Health, Medicine and Society provides an analysis of the institutional aspects of medical and health care while the second unit provides an introduction to Social Psychology.

MRTY 2037 Radiation Protection
Old code 18237.1 credit point. **Semester: 1. Classes:** 2 hrs/week. **Assessment:** Assignment/examination.
This unit provides a study of the safe uses of ionising radiation in medicine. Issues of monitoring, shielding and Australian radiation legislation are addressed.

MRTY 2038 Radiation Biology
Old code 18238.1 credit point. **Semester: 2. Classes:** 2 hrs/week. **Assessment:** Assignment/examinations.
This unit provides a tudy of the radiobiological effects of ionising radiation. Dose response, damage and repair, sensitisation and protection as well as time, dose and fractionation are all addressed.
Textbooks
Web based material

MRTY 3032 Radiographic Pathology II
Old code 18332.2 credit points. Semester: 2. Prerequisite: (except Singapore courses) Radiographic Pathology IB MRTY 2046 (18246).
This unit introduces the student to the radiographic manifestations of selected disease processes, congenital disorders and malformations in the alimentary tract, hepatobiliary, genitourinary and central nervous systems.

MRTY 3033 Contrast Media
Oid code 18333.2 credit points. **Semester: 1. Prerequisite:** (except Singapore courses) Introductory Human Biology BIOS 1084 (11193). **Corequisite:** Radiography IIA MRTY 3043 (18343), Clinical Education IIIA MRTY 3035 (18335).
This unit provides the student with fundamental knowledge of the properties and effects of positive, negative and paramagnetic contrast media, with particular emphasis on intravascular contrast media. The mechanisms of contrast media reactions, and the treatment of acute reactions will be included.

MRTY 3034 Radiation Therapy Project
Old code 18334.2 credit points. **Semester:** Full year. **Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Clinical Education IIC MRTY 2034 (18234). **Corequisite:** Behavioural Science IIIA BEHS 3073 (103C6).
NB: This unit is offered in Semester 1 and 2 and has a value of 4 credit points for Singapore conversion courses.
This unit provides the student with the opportunity to undertake an investigative project in a specific area of applied radiation therapy. This project will develop the student's ability to work independently, with minimum supervision and introduces the student to the place of research in radiation therapy.

MRTY 3037 Image Processing A
Old code 18337.2 credit points. **Semester: 1. Prerequisite:** (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).
This unit provides a study of the processes of the human visual system, image digitisation, contrast enhancement, spatial-domain and frequency-domain processing.

MRTY 3038 Image Processing B
Old code 18338.1 credit point. **Semester:** 1. **Prerequisite:** (except Singapore courses) Introduction to Medical Radiations MRTY 1014 (18116), Introductory Radiography MRTY 1015 (18117), or Introductory Nuclear Medicine MRTY 1016 (18118), or Introductory Radiation Therapy MRTY 1017 (18119).
This unit provides a study of pattern recognition, binary image processing, measurement, image compression, current medical imaging applications and research.

MRTY 3039 Sonography A
Old code 18339.2 credit points.
This unit provides an introduction to the clinical applications and practice of diagnostic ultrasound.

MRTY 3040 Sonography B
Old code 18340.2 credit points. **Semester: 2.**
This unit extends the areas of clinical applications and practice of diagnostic ultrasound.

MRTY 3041 Imaging IIA
Old code 18341.4 credit points. **Semester: 1. Prerequisite:** (except Singapore courses) Radiation Biology MRTY 2038 (18238), Radiation Protection MRTY 2037 (18237), Imaging 1A MRTY 2041 (18241), Imaging 1B MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing A MRTY 3037 (18337).
This unit complements Imaging I and concentrates upon ensuring a study of a range of radiographic equipment including that designed for special procedures.

MRTY 3042 Imaging IIB
Old code 18342.2 credit points. **Semester: 2. Prerequisite:** (except Singapore courses) Radiation Biology MRTY 2038 (18238) Radiation Protection MRTY 2037 (18237), Imaging IA MRTY 2041 (18241), Imaging IB MRTY 2042 (18242), Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244). **Corequisite:** (except Singapore courses) Image Processing B MRTY 3038 (18338).
This unit concentrates upon ensuring a study of the range of digital radiographic equipment. Quality assurance and radiation protection principles and practice are expanded further.

MRTY 3043 Radiography IIA
Old code 18343.4 credit points. **Semester: 1. Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography IB MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education IIIA MRTY 3035(18335).
This unit builds upon the unit Radiographyaphy which has discussed the radiographic techniques for general skeletal radiography. This unit develops higher order critical thinking and radiographic skills in the areas of multiple trauma, paediatric radiography, gastro-intestinal and genito-urinary Contrast examinations. The unit also provides the student with a 'problem solving' approach to technically difficult radiographic examinations. Case scenarios include a variety of patient injuries, pathological diseases and physical disabilities.

MRTY3044 Radiography IIB
Old code 18344.2 credit points. **Semester: 2. Prerequisite:** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography 1B MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234). **Corequisite:** (except Singapore courses) Clinical Education IIIA MRTY 3035(18335).
This unit provides students with knowledge of specialised radiographic imaging modalities. These include angiography, CT, MRI and other smaller areas of contrast examinations. Students will examine aspects such as patient and contrast media preparation, technical considerations and routine protocols for the specialised modalities. The appropriateness of a particular imaging modality will be discussed with respect to the diagnosis of injury or presence and extent of a disease process.

MRTY 3049 Radiation Therapy IIA
Old code 18349.5 credit points. Semester: 1. Prerequisite: (except Singapore courses) Radiation Therapy 1A MRTY 2053 (18253), Radiotherapy Physics IB MRTY 2056 (18256). Corequisite: (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330).
This is the fourth of five units which cover the principles and applications of applied radiation therapy. Advanced routine applications of radiation therapy are examined, including the incorporation of cross-axial imaging modalities into planning. Problem-based learning methods will be used in this unit.

MRTY 3050 Radiation Therapy IIB
Old code 18350.3 credit points. **Semester: 2. Prerequisite:** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253). **Corequisite:** (except Singapore courses) Clinical Education IIIC MRTY 3030(18330).
This is the last of five units which cover the principles and applications of applied radiation therapy. This unit extends the study of the applications of radiation therapy into the rarer techniques and provides an introduction to the less common modalities of brachytherapy, stereotactic radiosurgery, interoperative radiotherapy and others.

MRTY 3051 Radiotherapy Physics IIA

Old code 18351.2 credit points. **Semester: 1. Prerequisite:** (except Singapore courses) Radiotherapy Physics IB MRTY 2054 (18254).

This is the third of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit introduces the student to the physics behind a variety of innovations in radiotherapy including multileaf collimation, 3D treatment planning and algorithms.

MRTY 3052 Radiotherapy Physics IIB

Old code 18352.2 credit points. **Semester:** 2. **Prerequisite:** (except Singapore courses) Radiotherapy Physics IIA MRTY 3051 (18351).

This is the last of four units which cover the physical principles of the use of ionising radiation in radiation therapy. This unit explores the uses of less common treatment modalities in radiotherapy. Basic brachytherapy physics is also addressed.

MRTY 3053 Principles of Oncology A

Old code 18353.2 credit points. **Semester: 1. Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the first of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3054 Principles of Oncology B

Old code 18354.2 credit points. **Semester:** 2. **Prerequisite:** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6).

This unit is the second of two which examine the role of radiation therapy in cancer management. Site specific applications and general concepts and interactions with other treatment modalities are covered. There is emphasis on the practical applications of cancer management, patient care, and critical evaluation of treatment outcomes.

MRTY 3057 Field Project A

Old code 18357.4 credit points. Mr John Robinson. **Semester: 1. Assessment:** Assignment, portfolio.

This unit comprises one module on a clinically related unit such as quality assurance.

MRTY 3058 Field Project B

Old code 18358.11 credit points. Mr John Robinson. **Semester: 2. Assessment:** Assignment, portfolio.

This project comprises a number of modules on clinically related unit such as department design and safety issues, and computer communication and management.

OCCP 4055 Adolescent and Family Mental Health

Old code 154B8.8 credit points. Ms Mironne Golan and Ms Moy Dibden. **Semester: 1. Classes:** Two workshops (Fri/Sat) and one day of presentations. **Assessment:** Journal and presentation.

This unit of study aims to extend the students knowledge and skill in the area of adolescence an creative therapies, and introduce concepts and practice in family therapy. It is expected by the end of the unit that students will be able to analyse a family, identify appropriate issues and design an occupational therapy program relevant to meeting the adolescent and family needs. There will be a large component of experiential and affective learning in this unit, designed to enhance existing skills in counselling, drama therapy and art therapy

OCCP 4056 OT for Children with Learnning & Coord Difficulties

Old code 154B9.8 credit points. Dr Chris Chapparo. **Semester: 1. Classes:** 2x2 hours each week. **Assessment:** Various.

This unit will give opportunities for students to study the impact of learning disabilities on children's home and school occupational performance. During the semester, students will study 1) various explanations of learning disorders, 2) common assessment procedures used by occupational therapists to identify problems; 3) interventions. The focus will be on direct intervention as experienced in private practice occupational therapy for children, and consultation with schools. Students will be required to test at least one young child (typical child, rather than children with difficulties) aged between 3-4. Students who participate in this elective will be eligible for fourth year fieldwork placement in a public school in Killara.

OCCP 4057 Upper Limb/Hand Therapy

Old code 154C0.8 credit points. Ms Judy Ranka. **Semester:** 1. **Classes:** 13 hrs lecture, 3hr labs weeks 2-5 and 4hr labs weeks 6-13. **Assessment:** Various.

This unit will extend students knowledge and skills required for beginning practice in hand therapy. Students will review upper limb anatomy in order to understand common problems of the upper limb that interfere with occupational performance. Students will learn to (l)use detailed biomechanical and sensory assessments, (2) use treatment techniques for management of oedema, scar formation, PROM limitations and muscle weakness, (3) follow post-operative hand management protocols and (4) fabricate orthoses for common problems at the wrist and hand resulting from cumulative trauma.tendon lacerations, nerve lesions, arthritis, and CNS disorders including spinal cord injury.

OCCP 4058 Advanced Communication & Management

Old code 154C1.8 credit points. Mr Philip Chan. Semester: 1. Classes: 4 hours per week (2 x 2hr lecture/tutorial). Assessment: Various.

This unit aims to develop students' advanced communication and management knowledge, skills and athtudes. It consists of two complementary strands:

A. Advanced communication techniques aiming to introduce students to relevant advanced communication theories and techniques for the development of self, clients and significant others, which forms part of the core skills in management. Students will have the opportunity to identify own and others' personality, emotion and learning styles; and practise conflict resolution, negotiation, mediation, neurolinguistic and summarising techniques.

B. Managing occupational therapy services aiming to develop students' understanding of current management theories and practice, with specific reference to their application to managing occupational therapy services. Students will have the opportunity to apply and practice managerial functions such as planning, organising, staffing, leading and continuous quality improvement of occupational therapy services.

OCCP 4061 Culture and Communication

Old code 154C4.8 credit points. Dr Maureen Fitzgerald. **Semester:** 1. **Classes:** 3 hr tutorial per week, with 2-3 week break for data collection/ initial analysis. **Assessment:** Various.

This learning unit uses a variety of activities to explore multiple aspects of culture, communication, and intercultural interactions in health care, in particular in occupational therapy practice. This is done, in part, by using a process of collaborative inquiry learning through the involvement of students in an aspect of the Intercultural Interaction Project (see below). The purpose is to help students identify cultural issues in practice and culturally appropriate and sensitive strategies for dealing with them, which are satisfying to therapists, clients and families.

OCCP 4062 Community Based Rehabilitation

Old code 154C5.8 credit points. Ms Robyn Twible. Semester: 1. Classes: 2 hours per week. Assessment: Various.

Many western trained therapists entering community practice (whether in developing counties or developed countries) have little idea of the issues that they will encounter in practice. Developing countries have many years of experience in CBR, therefore we can learn from their experience by firstly reviewing the literature in these areas (most CBR literature is of limited circulation and not easily accessible - if at all - by normal literature review mechanism - this school has an extensive range of literature in the Operation International files to enable people to undertake a review of most pertinent issues). Issues of CBR will be explored and developed to gain a greater understanding of the requirements for working in this area.

OCCP 4063 Evaluation of OT Programs

Old code 154C6.8 credit points. Ms Michelle Donelly and Dr Maureen Fitzgerald. **Semester: 1. Classes:** 2x2 hours weekly seminars. **Assessment:** Various.

This unit of study gives students the opportunity to utilise their developing research/evaluation knowledge and learn to apply it to occupational therapy program evaluation, one common use of the research process in professional practice. It is designed to introduce students to some of the issues and practices associated with program and professional activity evaluation. The purpose of this unit of study is help students develop the knowledge and skills that will allow them to write good, practical project and evaluation proposals, the kind that will get supported and will make a positive contribution to addressing client needs and those of the workplace and profession.

OCCP 4064 Peer Assisted Learning & Adolescent Role Development

Old code 154C7.8 credit points. Ms Moy Dibden. Semester: 1. Classes: On campus tutorials. Prerequisite: Completion of PAL tutoring. Assessment: Completion of PAL requirements in year 3. Assignment. This unit of study builds on the work completed by students in third year as Peer Assisted Learning tutors. It will build on the skills developed as tutors and through individual contracts with the tutor, students will explore areas of adolescent developmental theory in relation to occupational therapy.

OCCP 4065 Supporting families and Protecting Children

Old code 154C8.8 credit points. Ms Kathy Gray. **Semester: 1. Classes:** On campus lectures and tutorials. **Assessment:** Presentation and assignment.

This unit of study provides students with an introduction to the ways that occupational therapists can support vulnerable families. Students will be introduced to the current legal and political frameworks and examine the various issues involved in child protection; interagency work and family support using both theory and practical activities. In particular how occupational therapists can support families who have a child or a parent with additional needs such as an intellectual disability; aboriginality or who are from a culturally diverse background and the exploration of how students balance the needs of the family; the community; the various systems and their work.

Textbooks

Provided on enrolment.

OCCP 4066 The Use of Creative Arts in Occupational Therapy

Old code 154C9.8 credit points. Ms Moy Dibden, Ms Mironne Golan. **Semester: 1**. **Classes:** Block mode and on campus tutorials. **Assessment:** Case studies, reflective journal and attendance requirements.

This unit of study will allow students the opportunity to experience movement and music, voice work, drama and art in a therapeutic context. A large component of this unit will be experiential and students will be expected to be involved in a number of different activities. This involvement will allow the student to make use of affective learning and allow them to develop their reflective capacities to a greater extent. Attention will be given to clinical application of these techniques with particular populations.

Textbooks

Provided on enrolment in unit.

OCCP 4067 Assessing Cognitive Impairments in Adults & Children

Old code 154D0.8 credit points. Ms Judy Ranka, Ms Chris Chapparo, Mr John Byrne. **Semester: 1. Classes:** On campus lectures/tutorials and independent learning and practicums. **Assessment:** Case studies, assignments and report.

This unit will provide opportunities for students to extend knowledge and skills required to understand the impact of information processing disorders on everyday life in clients with neurological, psychiatric, learning disorders or other conditions. Students will learn about occupational therapy methodologies that use everyday tasks as test items to detect processing problems and will be able to measure the impact of these disorders on client mastery. Students will document findings, establish both occupational goals and will make recommendations for intervention. Student learning will be supported by relevant neurophysiology and anatomy, especially that underlying attention, sensory perception, memory, higher cognition, emotions and motor enactment. Teaching and learning strategies used will include didactic sessions, independent learning modules and practicums that make extensive use of case study material.

OCCP 4068 OT in Occupational Health, Safety & Rehabilitation

Old code 154D1.8 credit points. Dr Ev Innes, Ms Kate O'Loughlin. **Semester:** 1. **Classes:** On campus lecture/tutorials. **Prerequisite:** Human Occupations III OCCP 3030 (15379). Assessment: Case studies, assignments and report.

This unit of study gives students the opportunity to extend their knowledge and skills of occupational health, safety and rehabilitation developed in Human Occupations 3 and other units of study. Students will explore the issues of work-related injuries and disorders and how these impact on the occupational roles of individuals. There is also input from a sociological perspective. Students will learn how to conduct a functional assessment, including writing a report. There will also be content that addresses relevant ergonomic issues in the workplace and consideration of the hierarchy of controls in determining appropriate interventions, including education and training, as well as workplace modifications. Relevant legislation, regulations, and competency standards will be used to guide the content and assessment of this unit.

PHTY 4066 Clinical Education IVA

Old code 164G7.9 credit points. Ms Cheryl Hobbs. **Semester: 1. Classes:** 175 hours off-campus plus occasional on-campus classes. **Prerequisite:** (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7),'Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units.

Note: (except Singapore courses) Students failing Musculoskeletal Physiotherapy in are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, IVC or IVD.

PHTY 4067 Clinical Education IVB

Old code 164G8.9 credit points. Dr Catherine Dean. **Semester:** 1. **Classes:** 175 hours off-campus plus occasional on-campus classes. **Prerequisite:** (except Singapore courses) Clinical Education III PHTY 3041 (16342), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVA PHTY 4066 (164G7), Clinical Education IVB PHTY 4067 (164G8), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5).

The student will continue clinical placements in the following areas - neurological, cardiopulmonary, general elective and musculoskeletal units. Paediatric issues may be addressed in any of these areas. Further integration, decision making and justification of patient management will be expected on progressive units. Note: Students failing Musculoskeletal Physiotherapy III are precluded from undertaking the Musculoskeletal Module of Clinical Education IVA, IVB, IVC or IVD.

PHTY 4068 Evidence-Based Practice

Old code 164G9.3 credit points. Dr Robert Herbert. **Semester:** Full year. **Classes:** Semester 1:26 hours, Semester 2:26 hours. **Prerequisite:** (except Singapore courses) Research Methods I: Design BACH 1026 (2511F), Research Methods II: Data Analysis BACH 2026 (2521F).

Semester 1:1 credit point, Semester 2: 2 credit points.

In this unit students will learn how clinical research can guide clinical practice. Students will learn to find and critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists, and how to apply that information to individual patients.

Textbooks

Sachett, D. L. et al. (2000). Evidence-based Medicine. (2nd ed). Churchill-Livingstone

PHTY 4069 Complex Cases

Old code 164H0.2 credit points. Ms Virginia Fowler, Ms Lyndal Maxwell. **Semester:** Full year. **Classes:** Semester 1:21 hours, Semester 2:15 hours. **Prerequisite:** (except Singapore courses) Cardiopulmonary Physiotherapy II PHTY 3029 (16330), Musculoskeletal Physiotherapy III PHTY 3036 (16337), Neurological Physiotherapy I PHTY 3037 (16338), Paediatrics PHTY 3038 (16339), Exercise and Health PHTY 3040 (16341).

Semester 1:1 credit point, Semester 2:1 credit point.

The aim of this unit of study is to enable students to develop their skills in analysing and planning management of patients with multi-system and/or complex problems. Students are required to integrate material from core areas of musculoskeletal, cardiopulmonary, neurological and paediatric physiotherapy. The unit of study involves in-depth discussion of a small number of case studies in tutorials. The case studies are changed each year to enable a range of clinical practice to be studied in detail. Lectures provide extra information to the cases under discussion.

PHTY 4070 **Elective**
Old code 164H1.2 credit points. Dr Colleen Canning. Semester: Full year. Classes: Variable depending on the nature of elective unit. Students negotiate an approved elective, either from within the School of Physiotherapy or from another School or Department in the Faculty of Health Sciences or the wider University. The School of Physiotherapy will offer a number of electives which will ran as independent learning or semi-independent learning units. Students are not permitted to enrol in units for which attendance and/or assessment requirements conflict with Clinical Education syllabus. Students must have completed Clinical Education III before taking an elective offered by the School of Physiotherapy.

PHTY 4071 **Advanced Manipulation Skills**
Old code 164H2.1 credit point. A/Prof Kathryn Refshauge. Semester: 2. Classes: 16 hours. Prerequisite: (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3036 (16337).
Advanced Manipulation Skills aims to further advance student's ability to employ evidence-based practice in the management of musculoskeletal conditions of the periphery and the spine. Students study practical and theoretical aspects of manipulative physiotherapy to encourage integration of selected spinal and peripheral manipulative procedures into the overall management of a patient's problem. Students evaluate the efficacy of advanced manipulative procedures, and the mechanisms of effect where known. Students also practice the application of advanced manipulative procedures including manipulation of selected peripheral and spinal joints. Students thus practice and evaluate a range of strategies to decrease pain and impairment and to improve function in patients with acute, sub-acute and chronic pain. The roles of other health professionals in management of musculoskeletal conditions are also examined, including exposure to the chiropractic perspective in managing musculoskeletal conditions.
Textbooks
Refshauge and Gass, (1995). Musculoskeletal Physiotherapy Clinical Science and Practice. Butterwoith-Heinedown

PHTY 4072 **Neurological Physiotherapy II**
Old code 164H3.1 credit point. Dr Colleen Canning. Semester: 2. Classes: 18 hours. Prerequisite: (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338).
This unit introduces the impairments and disability arising from long-term conditions of the nervous system such as Guillain Barre' syndrome, motor neuron disease, traumatic spinal cord injury, Parkinson's disease and multiple sclerosis. The relation between the pathology and prognosis of these conditions will be examined. Students will learn to plan, implement and evaluate therapeutic intervention for individuals with long-term conditions of the nervous system.

SING 4038 **Health Care Ethics**
Old code 20438.3 credit points. Semester: 1.
In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING 4039 **Legal Perspectives and Health Care**
Old code 20439.3 credit points. Semester: 1.
The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING 4040 **Patient/Client Education**
Old code 20440.3 credit points. Semester: 2.
The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the micro skills of teaching and in so doing also come to recognise teaching what is 'personally distinctive' about their own style of teaching.

SING 4041 **Managing Resource Demands in Health Services**
Old code 20441.3 credit points. Semester: 2.
This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal sethng, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING 4042 **Pathophysiology A**
Old code 20442.3 credit points. Semester: 2.
Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4043 **Pathophysiology B**
Old code 20443.3 credit points. Semester: 2.
Pathophysiology B complements Pathophysiology A by further examining the pathophysiological processes underlying disease conditions. In this module the major systems covered are the immune system, the endocrine system, the digestive system and the nervous system. Neoplasia is also a major concept covered within this module. Case studies are used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The underlying pathophysiological processes are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4044 **Research Methods I**
Old code 20444.3 credit points. Semester: 1.
This unit introduces students to the concept of scientific research by defining the key approaches, methods and designs used in carrying out research, particularly within the health professions and health care sethngs. It incorporates an outline of the research process which will guide students through the completion of a simple descriptive study. Students will develop basic skills related to instrument design, data collection and data analysis. SPSS software will be used to facilitate achievement of the objectives.

SING 4045 **Research Methods II**
Old code 20445.3 credit points. Semester: 1.
The unit of study examines issues related to research design and how best to analyse and interpret data collected using a variety of experimental and non-experimental designs. Students are given the opportunity to apply the various skills in the conduct of a clinical-focussed group research project.

SING 4046 **Sociology of Work and Organisations**
Old code 20446.3 credit points. Semester: 2.
This unit of study examines sociological perspectives relating to work and organisations. It includes the study of the nature of work and occupational structures in modern societies, occupational choice and professionalism. Also included is an examination of the structural aspects of organisations with an emphasis on the hospital as the major work place of health care professionals.

SING 4047 **Sociology of Patient-practitioner Relations**
Old code 20447.3 credit points. Semester: 2.
This unit of study examines sociological perspectives relating to the patient-practitioner relationship. It includes the study of the generic professional-client model, the sick role and other models of patient-practitioner relationships, and the key interpersonal aspects of the work of health care professionals. Consideration

will be given to the nature of health care as emotion work; aspects of sociology of the body and the stigma associated with illness, disease and disability; and the skills required to facilitate communication and interaction in the patient-practitioner relationship.

SING 4048 Nursing Knowledge and Health Care in Singapore

Old code 20448.6 credit points. Semester: 1.
This unit will provide the student with an overview of the way in which society provides health care for its members. It will explore definitions of health and factors contributing to health and illness. The unit will examine the development and operation of the Singapore health care system, focusing particularly on the role of nursing. The unit will examine the development of nursing knowledge and the way research provides evidence for practice in health care and nursing.

SING 4049 Advanced Clinical Studies I

Old code 20449.6 credit points. Semester: 1.
This unit will examine aspects of nursing practice, with special emphasis on patient/client assessment and the planning of nursing care. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of clinical and social complexity. Students are expected to apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4050 Advanced Clinical Studies II

Old code 20450.6 credit points. Semester: 2.
This unit will examine aspects of nursing practice, with special emphasis on the pharmacological aspects of patient/client management. The unit utilizes a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of management and social complexity. Students may apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4051 Evaluation in Physiotherapy

Old code 20451.3 credit points. **Semester:** 2.
This unit of study provides students with the knowledge and skills needed to critically evaluate clinical epidemiology research (that is, research investigating treatment effectiveness, the utility of diagnostic tests, and the causes and prognosis of disease). This knowledge and these skills can be used to improve clinical practice.

SING 4052 Topics in Physiotherapy Management

Old code 20452.3 credit points. Semester: 2.
This unit of study module provides the student with knowledge and skills in Quality Management and Health Promotion appropriate for physiotherapy practice. It consists of two discrete components related to the delivery of physiotherapy services for the year 2000 and beyond. The first component focuses on Quality Management and the second on Health Promotion. The Quality Management component aims to explore the principles and procedures of Quality Management specifically in relation to evaluation of patient outcomes. Prior knowledge is built up in such a way as to ensure that the student will be able to evaluate physiotherapy services using valid and reliable criteria. This component provides the student with the opportunity to identify areas in which evaluation can be used to direct physiotherapy intervention; to discuss practical aspects as well as philosophical issues related to measurement of outcome; and to investigate the variety of measures used to assess clinical outcomes. The student will also explore these issues in the student's own workplace and develop a project proposal. Factors considered in determining the effectiveness of a physiotherapy service will include the direct and indirect costs of the service and the benefits gained by both individuals and the community. The Health Promotion component will provide the student with an overview of the principles and practice of health promotion which is explored within a community based framework. These principles relate to the skills a physiotherapist can offer in delivering a well planned health promotion project for a specific community group such as aging and or working populations. The student will critique a health promotion program that has been implemented in the student's community. This will provide a discussion with the other students. In analysing the Health Promotion Program the student will develop critical skills giving due consideration to the program's appropriateness for the specific group being targeted and the health problem the program is attempting to prevent.

SING 4053 Advanced Physiotherapy Studies

Old code 20453.6 credit points. Semester: 2.
The aim of this module is to assist you in developing your clinical reasoning skills, and to apply these skills in identifying priorities in the treatment of complex cases. Where appropriate you will be encouraged to integrate your clinical management skills across the three traditional areas of physiotherapy: musculoskeletal, cardiopulmonary and neurology. This means you will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities when factors not related to the primary problems interfere with a conventional approach.

SING 4054 Community Based Programs Development

Old code 20454.3 credit points. Semester: 2.
This unit provides students with the opportunity to understand the issues of service provision within a community context and to explore a range of strategies which underpin the development of community based programs relevant to the needs of the Singapore population. Students will have the opportunity to attend and participate in workshops, which focuses on a micro skills appropriate for use in community occupational therapy.

SING 4055 Managing Occupational Therapy Services

Old code 20455.3 credit points. **Semester:** 2.
This unit provides students with the opportunity to review current managerial theories and techniques which can be applied to the planning, organising, staffing, leading and assuring quality of service of the occupational therapy services in the Singapore context.

SING 4056 Cognitive and Perceptual Components of Occupation

Old code 20456.3 credit points. Semester: 1.
This unit will extend students' knowledge and skills relative to occupational therapy management of children and adults who have neurological conditions which affect their occupational performance. The emphasis will be on the assessment and treatment of cognitive/perceptual disorders that interfere with the performance of everyday tasks and routines.

SING 4057 Advanced Communication Techniques in Occupational Therapy

Old code 20457.3 credit points. Semester: 1.
This unit introduces students to a range of advanced communication techniques for the development of self, clients and significant others. Identification of own and others' learning styles, conflict resolution, negotiation, assertive, neurolinguistic and summarizing techniques will be addressed, with specific reference to their application in cognitive, intra- and inter-personal components of performance.

SING 4059 Computer Communication in Medical Radiation Technology

Old code 20459.3 credit points. Semester: 2.
This module provides students with an understanding of the design implications of digital image management and the communication systems needed to facilitate patient care. Concepts involving Picture Archival and Communication Systems (PACS), DICOM, Radiology Information System (RIS), tele-radiology and record and verify systems will be discussed. Guidelines concerning information security and confidentiality will be discussed. The impact of image matrix size on image quality, information storage, data transfer rates, display capability and the need for storage compression will be examined. This module also provides the student with the opportunity to examine a range of computer methods to efficiendy utilise staff time and resources within a Medical Radiation Department. Within this module special attention will be given to either diagnostic radiography or radiation therapy as appropriate to the student.

SING 4061 The Quality Perspective Applied to Medical Radiation Technology

Old code 20461.3 credit points. Semester: 1.
This unit of study introduces the experienced radiographer and therapist to many of the current aspects of the quality perspective. It gives a foundation in the development of the quality perspective and its application to MRT and encourages the experienced radiographer and therapist to examine the management of quality in their work place. The application of

quality monitoring to important routine tasks in the MRT environment is explored.

SING 4062 Health Care Ethics
Old code 20462.3 credit points. Semester: 2.
In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

SING 4063 Legal Perspectives and Health Care
Old code 20463.3 credit points. Semester: 2.
The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

SING 4064 Patient/Client Education
Old code 20464.3 credit points. Semester: 1.
The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the micro skills of teaching and in so doing also come to recognise teaching what is 'personally distinctive' about their own style of teaching.

SING 4065 Managing Resource Demands in Health Services
Old code 20465.3 credit points. Semester: 1.
This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal sethng, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

SING 4066 Pathophysiology A
Old code 20466.3 credit points. Semester: 1.
Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4067 Pathophysiology B
Old code 20467.3 credit points. Semester: 1.
Pathophysiology B complements Pathophysiology A by further examining the pathophysiological processes underlying disease conditions. In this module the major systems covered are the immune system, the endocrine system, the digestive system and the nervous system. Neoplasia is also a major concept covered within this module. Case studies are used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The underlying pathophysiological processes are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

SING 4068 Research Methods I
Old code 20468.3 credit points. **Semester:** 2.
This unit introduces students to the concept of scientific research by defining the key approaches, methods and designs used in carrying out research, particularly within the health professions and health care sethngs. It incorporates an outline of the research process which will guide students through the completion of a simple descriptive study. Students will develop basic skills related to instrument design, data collection and data analysis. SPSS software will be used to facilitate achievement of the objectives.

SING 4069 Research Methods II
Old code 20469.3 credit points. Semester: 2.
The unit of study (rather than a course = Bachelor of Health Science) examines issues related to research design and how best to analyse and interpret data collected using a variety of experimental and non-experimental designs. Students are given the opportunity to apply the various skills in the conduct of a clinical-focussed group research project.

SING 4070 Sociology of Work and Organisations
Old code 20470.3 credit points. Semester: 1.
This unit of study examines sociological perspectives relating to work and organisations. It includes the study of the nature of work and occupational structures in modern societies, occupational choice and professionalism. Also included is an examination of the structural aspects of organisations with an emphasis on the hospital as the major work place of health care professionals.

SING 4071 Sociology of Patient-practitioner Relations
Old code 20471.3 credit points. Semester: 1.
This unit of study examines sociological perspectives relating to the patient-practitioner relationship. It includes the study of the generic professional-client model, the sick role and other models of patient-practitioner relationships, and the key interpersonal aspects of the work of health care professionals. Consideration will be given to the nature of health care as emotion work; aspects of sociology of the body and the stigma associated with illness, disease and disability; and the skills required to facilitate communication and interaction in the patient-practitioner relationship.

SING 4072 Nursing Knowledge and Health Care in Singapore
Old code 20472.6 credit points. Semester: 2.
This unit will provide the student with an overview of the way in which society provides health care for its members. It will explore definitions of health and factors contributing to health and illness. The unit will examine the development and operation of the Singapore health care system, focusing particularly on the role of nursing. The unit will examine the development of nursing knowledge and the way research provides evidence for practice in health care and nursing.

SING 4073 Advanced Clinical Studies I
Old code 20473.6 credit points. Semester: 2.
This unit will examine aspects of nursing practice, with special emphasis on patient/client assessment and the planning of nursing care. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of clinical and social complexity. Students are expected to apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4074 Advanced Clinical Studies II
Old code 20474.6 credit points. Semester: 1.
This unit will examine aspects of nursing practice, with special emphasis on the pharmacological aspects of patient/client management. The unit utilizes a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of management and social complexity. Students may apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

SING 4075 Integrated Diagnosis and Treatment
Old code 20475.3 credit points. Semester: 1.
This unit of study will allow students to gain an understanding of the interrelationship of imaging and treatment paradigms for selected regions of the body and disease processes. The regions addressed will be selected from the central nervous system, the gastrointestinal tract, skeletal system, thyroid, breast, chest, pelvis and lymphatics. The processes discussed will be specific to a region.

SING 4076 Radiographic Interpretation of Pathology

Old code 20476.3 credit points. Semester: 2. Classes: Blended delivery. Assessment: Written assignments, tutorial exercises.
NB: Diagnostic students only
This module will introduce the diagnostic radiographer to the radiographic interpretation of disease processes such as neoplasms, abnormalities of the respiratory system and central nervous system, emergency trauma radiology and congenital disorders, malformations and diseases in the paediatric patient.

SING 4077 Applications of Medical Imaging in Radiation Therapy

Old code 20477.3 credit points. Semester: 2. Classes: Blended delivery. Assessment: Assessment: Written assignments, tutorial exercises.
NB: Radiation Therapy students only
This unit provides an introduction and understanding of the key role played by the various imaging modalities used in the diagnosis and treatment planning of malignant disease. These modalities include planar radiographs, CT, MRI, NM Imaging, PET, Ultrasound and Portal Imaging including EPI. The advantages of using each in the practice of Radiation Therapy will be addressed as well as their limitations.

18 Elective units of study

This chapter lists elective units of study available to undergraduate students throughout the Faculty. The mode of presentation varies between schools. Units are offered subject to sufficient demand and staff availability. Students who require further information about the content or administration of electives and when they are offered should contact the school offering the specific elective. The first four characters of the unit's code represents the school in which the unit is taught (see Table 18.1).

Table 18.1:: Unit code prefixes

Prefix	Taught by	Office	Phone
ORTH	School of Applied Vision Sciences	T321	(02) 9351 9250
BACH	School of Behavioural and Community Health Sciences	G101	(02) 9351 9228
BIOS	School of Biomedical Sciences	S202	(02)93519455
CSCD	School of Communication Sciences and Disorders	S101	(02)93519450
EXSS	School of Exercise and Sport Science	K122	(02)93519612
HIMT	School of Health Information Management	T301	(02)93519494
MRTY	School of Medical Radiation Sciences	M201	(02)93519640
OCCP	School of Occupation and Leisure Sciences	J101	(02) 9351 9386
PHTY	School of Physiotherapy	O100	(02)93519273
AHCD	Yooroang Garang: School of Indigenous Health Studies	T409	(02)93519497

■ Research electives

BACH 3101 Introductory Epidemiological Methods

Old code 25399.3 credit points. Dr Kaye Brock. Semester: 1.
This unit introduces the students to the basic principles of epidemiology: the study of the distribution of disease and the search for the deterrminants of the observed distribution. This unit provides students with the skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of interventions, and the role of other factors in the aetiology of health outcomes.

BACH 3102 Advanced Epidemiological Methods

Old code 253A0.3 credit points. **Semester: 2. Prerequisite:** Epidemiology HIMT 3032 (09333).
In this unit the statistics associated with measurement and validity issues involved in the search for cause/effect relationships are expanded, including analysis of confounding variables. The unit also reviews the integral role of biostatistics in the planning stage, and the data-analysis and modelling stages of epidemiological projects, particularly where categorical data are used.

BACH 4017 Epidemiological Research

Old code 25416.3 credit points. Dr Kaye Brock. **Semester: 2. Prerequisite:** Epidemiology HIMT 3032 (09333).
In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

BACH 4018 Evaluation Research

Old code 25417.3 credit points. Dr Ian Hughes. **Semester: 2. Classes:** Web based.
In this unit students will examine aspects of conducting evaluation research, an area that focuses on the application of multi-disciplinary research methods to health services. Empowering and critical approaches will be included.

BACH 4019 History & Philosophy of Scientific Methodology

Old code 25418.3 credit points. Dr Rod Rothwell. **Semester: 1. Classes:** On-campus night course. **Assessment:** 2 assignments 1000 words each.
This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.
Textbooks
What is this thing called Science? (1994). Chalmers, A. University of Queensland Press.
The Name of Science: Problems and Perspective. (1997). Hung, E. Wadsworth Press

BACH 4020 Action Research

Old code 25419.3 credit points. Dr Ian Hughes. **Semester: 1, 2. Classes:** Web based, On and Off campus. **Assessment:** Project based and interactive continuous assesment.
Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students may study through independent learning and the Internet.
Textbooks
www.cchs.usyd.edu.au/arow

BACH 4043 Intermediate Statistics

Old code 25442.3 credit points. Dr Peter Choo. **Semester:** 2. **Classes:** On campus 3 hours/week. **Prerequisite:** Research Methods 1 BACH 1027 (2511G) and Research Method 2 BACH 1118 (2511R) or Health and Research Design BACH 1138 (251B0) or equivalent. **Assessment:** Written assignments and examination.
In this unit, students will extend and consolidate the research methods and statistical skills acquired in Research Methods I and II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

BACH 4045 Qualitative Research Methods

Old code 25444.3 credit points. Dr Cherry Russell. Semester: 1,2. Classes: Wednesdays, 4-7 pm. Assessment: 2 assignments.
In this unit students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people 's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited, and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate, and students work on a research project of their choice throughout the semester.
Practical: 2 hours fieldwork
Textbooks
Course reader.

BACH 4046 Survey Research Methods

Old code 25445.3 credit points. Dr Kate O'Loughlin. **Semester: 2. Classes:** Mondays, 5-8 pm.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

BACH 4047 Developing a Research Project

Old code 25446/25446X. 4 credit points. **Semester: 1**,2. **Classes:** On campus Mondays 5-8 pm in Semester 1, and off campus in Semester 1 or 2.

NB: Also available in off-campus mode.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods, and introduce the research electives that concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced.

BACH 4071 Evidence Based Health Care Research

Old code 25470.3 credit points. Semester: 2. Assumed knowledge: Health and Research Design BACH 1138 (251 BO) or equivalent.

One of the greatest challenges in modern health care is knowing how to use the results of research in the context of decision making regarding an individual client. This unit provides students with the skills necessary for critical reading of reviews prepared by Cochrane Collaboration concerned with the efficacy of interventions and aetiology of health outcomes.

BACH 4072 Behavioural Epidemiology for Health Professionals

Old code 25471.3 credit points. Dr Kaye Brock. Semester: 1. Assumed knowledge: Research Methods I: Design.

Behavioural Epidemiology is the study of the distribution and deteminants oif the behavioural components of health outcomes. This unit provides students with the skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of behavioural interventions, and the role of behavioural and other factors in the aetiology of health outcomes.

BACH 4073 Metabolic Epidemlgy for Health Professnals

Old code 25472.3 credit points. Semester: 1. Assumed knowledge: Health and Research Design BACH 1138 (251B0) or equivalent. Prerequisite: Epidemiology HIMT 3032 (09333).

Metabolic Epidemiology is the study of the distribution and determinants of health outcomes associated with human metabolic status. Metabolic status can be defined variously by anthropometric measures (eg, body measure of fat distribution), physiological measures (eg, muscle strength, energy expenditure, and exercise levels) and nutritional status (eg, dietary intake). This unit provides students with the background and skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of environmental interventions and the role of environment and metabolism with other factors in the aetiology of health outcomes.

■ Faculty electives

AHCD 1028 Perspectives in Indigenous Health I

Old code 07177.6 credit points. **Semester: 1. Classes:** Block mode (3 x 5 days).

This unit introduces students to indigenous perspectives in health. Part I, Dreamings - Culture - Society focuses on traditional or pre-contact Aboriginal lifestyle, philosophy and law, and also explores issues of identity for contemporary Aboriginal people. Part II, culture contact and conflict is based on case studies from around Australia which provide examples of the diversity of contact with non aboriginal people - post invasion. Guest lecturers and field trips will be important components.

AHCD 4032 Health Planning, Policy and Evaluation A

Old code 07425.6 credit points. Semester: 1, 2. Classes: Block mode (3x5 days). Assessment: Continuous assessment.

This unit of study will provide students with an understanding of the basic structure in the development, implementation and the evaluation of policies, health in particular. The ideological framework, socio-cultural, economic and political assumptions implicit in policy development will be discussed.

Textbooks

Readings provided

Textbooks

Readings provided

AHCD 4034 Health Promotion of Indigenous Communities A

Old code 07427.6 credit points. Semester: 1, 2. Classes: Block mode (3x5 days). Assessment: Continuous assessment.

This unit provides students with an overview of the principles and practice of health promotion. It is designed to give students a theoretical perspective of health promotion within the public health and community based framework. Range of approaches to the development of health promotion initiatives will be discussed.

Practical: 6 hours of fieldwork

Textbooks

Readings will be provided

Practical: 6 hours of fieldwork

Textbooks

Readings will be provided

BACH 1028 Research Methods II: Data Analysis & Statistics

Old code 2511H. 3 credit points. Mr Alan Jones. **Semester: 1. Classes:** Flexible learning. **Prerequisite:** or Corequisite by permission. Research Methods I: Design BACH 1026 (2511F). **Assessment:** Assignment/ examination.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality-assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.

Textbooks

The Basic Practice of Statistics. (2nd ed.) David, S.

BACH 1100 Sociology of Community and Family

Old code 25183X. 3 credit points. Dr Ian Hughes. Semester: 2. Classes: 2 hours/week. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry. Assessment: Assignments and examination.

NB: Also offered in off-campus mode.

This unit develops an understanding of urbanisation and the concept of community. It examines recent Australian community studies analysing the characteristics of neighbouring and friendship ties. It investigates the nature of networks in terms of size, density and hornophiry and the support likely to be offered by networks in times of dependency occasioned by chronic ill health, disability or sudden health crises. Patterns and agencies of formal and informal support and changing family patterns are focuses of this unit. Students will develop alternate scenarios for developing community and examine the various government interventions designed to replace the support that older communities provided for their members.

Textbooks

Manuals with key material and references

BACH 1118 Research Methods II: Data Analysis & Statistics

Old code 2511R. 3 credit points. **Semester: 2. Classes:** Flexible learning.

This unit of study introduces prospective health science practitioners to methods for exploring and understanding quantitative data with an emphasis on interpretation and implications for outcomes and quality assurance. Methods for collecting, exploring, and presenting data are discussed from the perspective of the practitioner. Quantitative methodologies, numerical summaries and graphical methods are covered for both one and two variables, comparisons and relationships. Emphasis is placed on explaining patterns in data, outliers, variability, possible causes and mechanisms which generate the data. Distributions are introduced with particular reference to their substantive generating mechanisms. In particular, normal curves and sampling distributions are examined with methods for investigating trends and departures from the overall pattern. Inferential procedures for one and two variables, comparisons and relationships are used to illustrate this interdependence.

Textbooks

The Basic Practice of Statistics. (2nd ed). David, S.

BACH 2022 Psychology of Work and Management

Old code 2521B. 3 credit points. Dr Barbara Adamson. **Semester: 2. Classes:** 3 hours/week for 10 weeks. **Prerequisite:** Social Psychology BACH 2091 (25267) or equivalent. **Assessment:** Continuous.

This unit aims to bring behavioural science perspectives to the analysis of work, work behaviour and occupations as applied to health information management and includes work motivation, work satisfaction, work and the individual, the psychopathology of work, work stress, technical change, work and leisure, redesigning work and managing change.

Practical: Fieldwork

Textbooks

Manual, key references

BACH 3055 Cognitive Neuropsychology II

Old code 25353.3 credit points. Dr Lynn Harris. Semester: 2. Classes: 2. Prerequisite: (or Corequisite) Cognitive Neuropsychology I BACH 2109 (25285). Assessment: Assignment and examination.

This unit is concerned with the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

BACH 3063 Sociology & Psychology of Organisations

Old code 25361.4 credit points. Dr Barbara Adamson. **Semester: 1. Classes:** On campus 3 hours/week. **Assessment:** Continuous assessment.

There are two modules in this unit. The sociology component will examine the sociology of organisations, including industrial relations, health policy, services and politics, and social change within this context. The psychology component will examine fundamental areas in the psychology of work, and the main psychological approaches to understanding work behaviour. Students will develop an appreciation of their own work behaviour and those of others in an organisational sethng.

Practical: Fieldwork - 9. hours

Textbooks

Manual with key reference material and references

BACH 3082 Sociology of the Aged and Ageing

Old code 25380.3 credit points. Dr Rosemary Cant or Dr Zakia Hossain. Semester: 1. Prerequisite: Foundations of Health Sociology or Introduction to Health Sociology or Health, Illness and Social Inquiry.

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories of ageing will be applied to patterns of community response, to media representations, and to the well being of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined. Students will be expected to use these concepts in an analysis of current government interventions.

BIOS 4035 Sexuality for Health Professionals

Old code 11489.3 credit points. Dr Patricia Weerakoon. Semester: 1, 2. Prerequisite: Students will be required to be in second year or higher in their professional training. Assessment: Group work assignment, an individual assignment and an on-line mastery type multiple-choice test.

NB: This course is offered on-line^ Attendance on campus is required only for the first session in week one of the semester.

This unit will examine the bio-psycho-social aspects of sexuality and health care, and assist health professionals to develop services for clients who-have sexual or reproductive concerns. The course unit will provide a learning opportunity for the integration and application of prior learning in the disciplines involved. It will build on an existing knowledge base in the basic sciences and the professional disciplines. In addition the students will be encouraged to examine their athtudes towards a range of sexual behaviours and develop skills in sexual history taking. Sexuality will be explored from a life cycle perspective. Sexual development will be traced from sexual differentiation to old age with consideration of the range of sexual expression at each stage. Students will explore 'normal' and 'dysfunctional' behaviour and available management options. They will be given the opportunity to explore individual interest areas in depth.

Students will also be involved in experiential learning activities including value clarification exercises and off campus experiences. Collaborative learning will be encouraged with on-line group discussions. Enrollment in this unit will be limited to 80 participants.

BIOS 4036 Biology of Ageing

Old code 11490.3 credit points. Dr Peter Knight. Semester: 1. Classes: Presented in flexible mode, comprising learning packages and readings, lectures, seminar presentations. Assessment: Assignment and Exam.

This unit of study examines the physiological changes associated with the normal process of ageing and the decrease in functional capacity in various body systems which occurs as a result. An emphasis is placed on the concept of 'reserve capacity' as a key factor in differentiating normal ageing from disease. The following topics are studied:

- a physiological explanation of ageing
- the cardiovascular system
- the respiratory system
- the immune system
- the nervous system and special senses
- the musculoskeletal system
- the skin
- the renal system
- the endocrine system.

An understanding of the normal processes of ageing will help health professionals to:

- interpret the ageing experience from the point of view of the client
- understand the functional hrnitations which result from ageing
- develop techniques to minimise the functional effects of ageing related changes
- differentiate 'normal' from 'abnormal' ageing
- develop policies related to the care of the aged.

BIOS 4037 Applied Biology of Ageing

Old code 11491.4 credit points. Dr Peter Knight. Semester: 1. Classes: Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. Corequisite: Biology of Ageing BIOS 4036 (11490). Assessment: Assignment.

This unit of study examines the physiological changes associated with the normal process of ageing, and the decrease in functional capacity that occurs as a result. An emphasis is placed on the concept of 'reserve capacity' as a key factor differentiating normal ageing from disease. The following topics are studied: introduction to ageing, the cardiovascular, respiratory, immune, nervous, musculoskeletal, renal and endocrine systems, the skin, nutrition and pharmacology.

BIOS 4038 Health, Disease and Ageing

Old code 11492.3 credit points. Dr Peter Knight. **Semester:** 2. **Classes:** Presented in flexible mode, comprising learning packages and readings, lectures and seminar presentations. **Assessment:** Assignment and Exam.

While ageing and disease are not synonymous, the incidence of disease increases as people age. This unit of study will examine the disease processes which are of importance in the aged. The issues will be addressed in terms of:

- the factors which are responsible for the increased incidence of disease in the aged
- the role of environmental factors in the development of disease
- the relationship between disease and functional limitation
- the measures which can be taken to minimise the development and biological impact of disease
- a review of important diseases in various body systems
- the relationship between the biomedical effects of ageing and sexuality.

An understanding of the effects of disease and dysfunction in ageing will help health professionals to:

- interpret the ageing experience from the point of view of the client
- understand the functional limitations which result from disease
- understand and apply techniques which minimise the functional effects of ageing related changes
- develop policies related to the care of the aged, particularly in the fields of health promotion and service planning and provision.

BIOS 4039 Biological Aspects of Disease Management

Old code 11493.4 credit points. Dr Peter Knight. **Semester: 2. Classes:** Presented in flexible mode, comprising learning packages and readings, seminar presentations. **Corequisite:** Health, Disease and Ageing BIOS 4038 (11492). **Assessment:** Assignment.

While ageing and disease are not synonymous, the incidence of disease increases as people age. This unit of study examines the disease processes, and other physical health issues, which are important as people age. These issues are addressed in terms of:

- the factors responsible for the increased incidence of disease and disability in the aged;
- the role of environmental factors in an individuals adaptation to ageing;
- the relationship between disease and functional limitation;
- the measures which can be taken to minimise the development of physical disease and disability; and
- the important diseases affecting various body systems. Sexuality will also be addressed in this unit.

There will be in-depth consideration of one common disease of the aged, and its management in terms of prevention, treatment and residual disability.

BIOS 4040 Alternate Health Care in Health Professional Practice

Old code 11494.2 credit points. Dr Patricia Weerakoon. Semester: 1, 2. Prerequisite: Students will be required to be in second year or higher in their professional training. Assessment: Two group work submissions on-line and an individual presentation in week 13.

NB: This course is offered on-line. There will be two compulsory on-campus sessions, one in week one (course introduction) and the other in week 13 (seminar presentation).

This unit of study will allow the student to explore the complementary/alternate health care methods (CAM) available to clients and the reasons for their use. It will provide the students with an understanding of the biological basis of action and a frame work to assess the evidence (empirical and other) on the use, safety and effectiveness of selected complementary/ alternate health care practices. This unit of study will provide the students with a frame work to evaluate complementary/alternate health care methods and assist clients in selecting management options best suited to them.

At the end of this module the student will be in a position to:

- Identify the range of therapies known as 'complementary/ alternate health care'
- Discuss the value of common methods in disease management.
- Locate information on specific complementary/alternate health care methods.
- Evaluate the evidence on the effectiveness of a specific method.
- Discuss the safety of specific products for human use.
- Discuss a specific therapy with a client as relevant to their needs.

BIOS 4041 Toxic Effects of Drugs & Other Chemicals

Old code 11495.3 credit points. Dr Helen Ritchie. **Semester:** 2. **Classes:** 13 face-to-face lectures in the first six weeks of semester followed by group based work on problems delivered by WebCT. **Prerequisite:** Introductory Biomedical Sciences BIOS 1114 (111 DO) or equivalent, Body Function in Health and Disease BIOS 1115 (111D1) or equivalent or Human Biology and Biochemistry BIOS 1124 (111D2) or equivalent. **Assessment:** Final Exam, Assignment.

This unit of study is designed for those interested in developing an understanding of the body's reaction to toxic substances. It will examine the sources of exposure, access of chemicals to the body, manifestations of toxic effects and mechanisms of toxicity of some environmental and industrial chemicals and medicines in pregnancy.

BIOS 4042 Research into Toxic Effects of Drugs & Other Chemicals

Old code 11496.4 credit points. Dr Helen Ritchie. **Semester: 1. Classes:** On campus:13 face-to-face lectures in the first six weeks of semester followed by group based work on problems delivered by WebCT. Off campus: group work. **Prerequisite:** Prerequisite: Introductory Biomedical Sciences BIOS 1114 (111 DO) or equivalent, Body Function in Health and Disease BIOS 1115 (111D1) or equivalent or Human Biology and Biochemistry BIOS 1124 (111D2) or equivalent. **Assessment:** Final Exam, Assignment.

This unit of study is designed for those interested in developing an understanding of the body's reaction to toxic substances. It will examine the sources of exposure, access of chemicals to the body, manifestations of toxic effects and mechanisms of toxicity of some environmental and industrial chemicals and medicines in pregnancy. An additional project, on consultation with staff from the School and tailored specifically to the students needs, would be undertaken to complete the unit.

BIOS 4047 Body Systems and Human Function

Old code 114A2.3 credit points. Dr Jennifer Lingard. Semester: 2. Classes: On campus Flexible Mode and Distance Mode. Assumed knowledge: Basic Cellular Function. Assessment: Written examination.

Disorders affecting homeostasis frequently compromise the ability of an individual to perform activities of daily living. This unit will present the key roles of the kidney, gastrointestinal system and endocrine glands in maintaining homeostasis in the body. It will cover both normal function and the effects of dysfunction. The unit will also present an overview of normal reproductive function that will give the student insight into problems with the reproductive system, and serve to underpin the elective on sexuality.

The unit is designed to increase students' understanding of normal body function and enhance their ability to function within health care teams. It is suitable for students wishing to broaden their knowledge of the effects of compromised body function on health and daily living. It will also provide valuable background knowledge for many other electives in biomedical sciences and for other related aspects of students' study.

It could be studied at any time in undergraduate courses after the completion of first semester first year. It would be highly suitable as a companion unit to Body Systems I, or any other similar unit.

Textbooks

No specific text

EXSS1005 Sport Fi rst Aid/Trai ner

Old code 22105.3 credit points. Dr Margaret Torode. **Semester: 1. Assessment:** Continuous.

This unit aims to provide students with appropriate skills and training for the effective initial management of sport injury situations. On completion of the unit students will be able to execute immediate first aid care with particular attention to extreme environments, soft tissue injuries and demonstrate a sound understanding of communicable diseases and their precautions. Principles and practices for the role of the Sports Trainer in relation to specific injury management, will also be explored.

EXSS 1019 Fundamentals of Exercise Science

Old code 22115.4 credit points. Ms Rhonda Orr. Semester: 2. Assessment: Mid-semester exam, end-semester exam.

This unit provides the student with an understanding of the fundamental principles and practices of exercise science and its application to sport, fitness and rehabilitation. The unit examines the energetics of exercise, ergometry, standard screening procedures for fitness testing and the principles and practice of submaximal aerobic fitness testing.

Practical: 2 hours per week

EXSS 3018 Management, Marketing and the Law

Old code 22318.4 credit points. Ms Rhonda Orr. Semester: 2. Assessment: Assignment, End semester exam.

This unit presents a brief overview of current marketing principles and marketing management practice in general, and in reference to the health and sporting industry. Attention is given to the fundamentals of planning, organising, staffing and control within an organisation as well as the basics of financial and budgetary controls. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Marketing and public relations are introduced to augment the areas of program organisation for facility planning and operations.

HIMT 3025 **Financial Management in Health Care**

Old code 09325.3 credit points. **Semester:** 1. **Classes:** On-campus attendance, day classes. **Assessment:** Class test and final examination.

NB: Student places are limited.

In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include the accounting function embracing basic accounting procedures, financial and budgetary control methods, the budgetary process and types of budgets. In addition, the unit covers hospital accounting systems and methods of funding, performance and productivity, hospital cost analysis and control and clinical costing systems.

HIMT 3032 **Epidemiology**

Old code 09333.4 credit points. Dr Aditi Dey. **Semester:** 2. **Classes:** Attendance required, Day classes. **Assessment:** Assignments/ examination.

NB: Student places are limited

This unit introduces students to epidemiology, through the study of historical aspects and design strategies in epidemiological research. This introduction also includes measures of disease frequency and association, types of epidemiological studies - descriptive, case-control, cohort studies and quantitative aspects of epidemiological research. This unit also includes issues pertaining to screening tests, disease outbreaks, randomised controlled trials, surveillance and critical appraisal of documented research.

Textbooks

The Health of Populations: An Introduction.Harper, A.C., Holman, C.D.J., & Dawes, V.P (1994). Melbourne: Churchill Livingstone

HIMT 3041 **Human Resource Management**

Old code 09342.3 credit points. Joanne Callen. **Semester: 1. Classes:** On-campus attendence for 3 day block. **Assessment:** Assignments.

NB: Student places are limited

This unit is designed to introduce the student to the human resource management function relevant to the work of a health services manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered. Students are taught how to prepare their own curriculum vitae, job application skills and interview techniques.

OCCP 3058 **Contemporary Leisure Concepts**

Old code 153A3.2 credit points. Mr Laurence Bathurst. **Semester: 1. Prerequisite:** Human Occupations IIA OCCP 2041 (15297). **Corequisite:** Human Occupations IIA OCCP 2041 (15297).

The purpose of this elective is to build on the work covered in the leisure module in Human Occupations HA. It will provide students the opportunity to further develop their knowledge and understanding of contemporary concepts relating to leisure in the lifespan and how these can be incorporated into practice.

ORTH1038 **Visual Processes**

Old code 14137.5 credit points. **Semester:** 1.

The normal eye is introduced, including visual acuity, contrast sensitivity, the visual pathway, the visual field, binocular vision, refractive errors, eye movements, accommodation and convergence.

ORTH 1040 **Disorders of the Visual System IA**

Old code 14139.4 credit points. **Semester:** 1.

This unit will present a wide range of disorders of the eye, with emphasis on recognition of the more common disorders of the visual system and terminology used in ophthalmology.

ORTH 3039 **Rehabilitation Studies I**

Old code 14339.4 credit points. **Semester:** 2.

The management of children with permanent visual impairment, learning difficulties and the orthoptist's role in the management of children with developmental delay are studied.

19 Clinical education

The term clinical education refers to the supervised practice of professional skills and it is especially appropriate to courses which are largely clinically based. Professions which offer services in a more social or a non-clinical context have adopted terms such as professional experience and fieldwork to describe supervised practice.

Clinical education is an integral part of the overall learning experience for students in all undergraduate and some graduate courses offered in the Faculty of Health Sciences. In undergraduate courses, students can expect to spend between 25 and 40 per cent of their total course hours in clinical education. The purpose of clinical education is to provide students with opportunities to integrate knowledge and skills at progressively higher levels of performance and responsibility during the course. Under the supervision of qualified practitioners, students seek to apply theories and scientific findings, learned in their academic study, and develop their skills through interaction with clients and practitioners. Clinical education also provides students with situations in which to practise interpersonal skills and develop characteristics essential to productive working relationships. It also provides an opportunity for students to develop clinical reasoning skills, management skills and as well to master techniques that develop competence at the level of a beginning practitioner.

Clinical education is provided in a variety of sethngs reflecting the current trends for the profession concerned. The facilities include hospitals, government agencies, schools, community health centres, private health agencies, private practice, and on-campus clinics. The sethngs may be located in metropolitan and rural areas of New South Wales and, occasionally, interstate and overseas.

The timing and structure of clinical education will vary according to School preferences. Patterns include day-release programs during the semester, clinical simulation in the classroom, and periodic block placements.

Students should be aware of the patterns of clinical education for their course as the timing and structure of clinical education affect the exact length of courses and vacation time.

Arrangement of clinical education

Clinical education is arranged by negotiation between staff of the respective School, acting as clinical academics, and the directors of the individual clinical sethngs. The School negotiates the standard, type of experience, and number of student places to be offered. In most cases, formal agreements are signed between the University and the placement facility. In some instances, the arrangements are informal, reflecting the mutual dependency of health and education in providing academically and clinically competent health professionals to meet the challenges confronting them in delivering quality health services in a complex society.

Assessment of students

Students are expected to take an active responsibility for their own education by identifying their own learning needs, assisting the supervisor in planning and implementing the learning experiences, being familiar with and adhering to procedures and rules laid down by the University and the affiliating centre, and in evaluating their own performance. The clinical supervisor performs the role of teacher, facilitator, coordinator and professional role model. Supervision may be conducted by School staff, or by practitioners expert in their professional area. The nature of the assessment varies across Schools but usually includes a student evaluation by both the supervisor and the student, the satisfactory completion of a specified number of hours, as well as a variety of assignments including case studies, essays, verbal presentations, and practical examinations. The clinical education unit may be assessed on a graded scale or on a Pass/Fail basis.

Rules applying to clinical education

In all clinical situations, the welfare of the client is paramount. The client's dignity and rights to privacy and confidentiality must be respected at all times. Students who do not comply with the rules governing ethical practice may be removed from the clinical placement.

During clinical affiliations, the student is expected to conform with the normal professional conduct required by the host institution. In some institutions, the wearing of uniforms and identification badges is demanded, while in other facilities a less formal athre is acceptable. Students should consult the section of the Handbook, relating to clinical education units of study for their particular course, for information relating to uniforms and name badges.

There are a number of rules and conditions applying to students regarding the amount of clinical education, the timing of it, the selection of sites, and types of experiences required. These rules have implications for progression in the course and acceptance into the relevant profession after graduation.

Students should consult the relevant handbooks of their schools for such rules and details of the Clinical Education/ Fieldwork/ Professional Experience Program.

Students should note that the Faculty has resolved as follows: 'Candidates for any (degree, diploma or certificate) whose conduct or work towards their award is unsatisfactory may, on the recommendation of the Head of School concerned, be refused permission by the Faculty to undertake or continue the Clinical Educational Fieldwork/Professional Experience) component of their award.'

Policy on timing of clinical placements for non-standard students

Definitions

Non-standard students being defined as follows:

a) Students undertaking *Deferred Assessments* - students did not attend the entire units of study (UOS) because of extenuating circumstances and final assessment has been deferred because of misadventure or illness.

b) Students whose assessment is *Incomplete*- used for units commenced but not completed - eg, days may need to be made up

c) Students who are *repeating the unit because they have previously failed* - students have completed the unit of study but have not met the requirements to a pass level and have achieved a fail.

Policy (as passed at Faculty August 2000)

All students normally undertake clinical education placements according to the schedule published in the academic/clinical calendar of the Faculty handbook. All clinical placements are organised and approved by the clinical education team of the relevant School.

1. Placements for Incomplete and Deferred Assessments will be organised to be completed at the earliest opportunity and subject to availability.
2. Failure in any unit of study (academic or clinical) may affect the student's progression through the undergraduate program and potentially delay graduation.
3. Enrolment or re-enrolment in clinical education units of study for non-standard students is dependent on meeting all co- and prerequisites as well as avoiding a timetable clash with academic units of study and the scheduled clinical placement. Refer to Faculty Policy 1995 effective from 1.1.95 - Procedures to be Followed in Event of Refusing A Student Permission to Undertake or Continue Clinical Placement/ Fieldwork/Professional Experience in the Event of Unsatisfactory Conduct, Part 2 Guidelines for a Student to be Refused Permission to Undertake Clinical Education/ Fieldwork/Professional Experience Placement.

4. Students who have failed a clinical unit may be permitted to re-enrol in the unit at non-standard times, subject to availability of placements and at the discretion of the Clinical Academic and after all students with Deferred Assessments and Incompletes have been placed.

[Also refer to Rules Applying to Clinical Education above.]

Clinical practice dates

Please refer to clinical practice dates listed under each course.

Insurance coverage for students on fieldwork

The University has in place a public liability and professional indemnity policy which extends to protect students from claims made against them which arise out of any negligent act, error or omission on the part of the student during such fieldwork.

Other relevant policies

The University has a personal accident policy covering postgraduate students against accidental bodily injury, providing death and capital benefits, as well as a weekly benefit whilst disabled. The Students'Representative Council of the University maintains a similar policy for undergraduates. If you require further information, please contact the Risk Management Office on (02) 9351 4127 or (02) 9351 2782.

Information on infectious diseases for students and clinical teachers

Infectious diseases are of concern to all those working in clinical sethngs. Whilst an understanding of the transmission of diseases such as AIDS, hepatitis and tuberculosis is particularly important, all students and clinical teachers must acquaint themselves with information about the potential dangers of all communicable diseases likely to be experienced in Australia. They should be aware of sources of infectious micro-organisms, their modes of transmission and the ways of reducing the risk of infection to self, patients and others.

From 2003, the NSW Department of Health requires all students undertaking clinical placements that involve direct client contact to provide written evidence of your immunity status and/or be vaccinated against diptheria, tetanus, pertussis, measles, mumps, rubella, chicken pox, hepatits B, influenza and tuberculosis before commencing a placement with NSW health facilities. A NSW Department of Health Adult Vaccination Record card will be provided to all enrolled students in the Faculty ofHealth Sciences for this purpose. Students who will be in direct contact with patients/clients of health care services are advised to seek medical advice and to arrange vaccinations, according to advice provided by their doctor, the University Health Service, and the Department ofHealth circular, 2002/97.

Vaccinations and advice are available through the University Health Service that operates a part time clinic at the Cumberland Campus (phone (02) 9351 9224 to make an appointment), or a full time service at the Camperdown Campus, [phone (02) 9351 3484 or (02) 9351 4095].

Information on this subject is available during orientation week and from www.unihealth.usyd.edu.au.edu.au/ Vaccination.htm, and www.health.nsw.gov.au/fcsd/rmc/cib/ circulars/2002/ (scroll to 97).

Further information about infectious diseases is available, in confidence, from the Faculty adviser, Ms Lynne Adamson, Associate Dean Clinical Education, phone (02) 9351 9510, or email l.adamson@fhs.usyd.edu.au.

Counselling support for students on clinical placements

Students who feel that they have any personal or family issues which may impact negatively on their performance on clinical placements should contact either their clinical academic for referral to the counsellor or may approach the counsellor at Cumberland directly. The counselling service at Cumberland is both free and confidential and students are encouraged to ask for help as early as possible before their placements begin. The Counsellor can also provide support for students already on placements who find they are having problems with after hours appointments or by phone. Typical problems for students on clinic include balancing work and family, stress, interpersonal relationships, supervisor - student relations, anxiety about the workplace etc. The Counsellor is located at Room A005 in A Block. Students wishing to make an appointment with the Counsellor can phone (02) 9351 9473, or Student Welfare Services reception (02) 9351 9638 or book an appointment directly by writing in a time slot on the grid in the counselling waiting room. Appointments outside normal hours can be made available if booked in advance for students on clinical placements or who are studying part-time.

Criminal records check

All health care workers, including students who undertake clinical professional training of fieldwork in the NSW health care system, are required to be subject to a criminal records check as a condition of gaining access to NSW Health Department facilities. Depending on the nature of the offence for which a conviction has been recorded, the NSW Department ofHealth has the right not to accept a health care student or worker for placement in the NSW health care system.

All new students in the Faculty of Health Sciences will receive, as part of their enrolment package, a form from the NSW Department of Health consenting to a criminal records check. Students must complete, sign and return the enclosed form to Student Administration, Cumberland as soon as possible after receipt. Student Administration will forward forms on to the NSW Department ofHealth for processing. Failure to return your form could mean non-acceptance by the NSW Department of Health for a placement to undertake clinical experience. *If you do not receive confirmation of criminal clearance within six weeks of* submithng the form, you are strongly advised to follow up with Student Administration, Cumberland to check if your form has been processed. Non-acceptance of a student under this policy could affect that student's academic progress. Accordingly, you are urged to contact the Faculty adviser if you have any concerns or if you wish to obtain a full copy of the NSW Department of Health's policy refer to NSW Department of Health circulars - 2000, at www.health.nsw.gov.au/fcsd/rmc/cib/ circulars/2000/ (scroll to 2000/69 - *nsw department of health policy on employment screening using criminal record checks).* Enquiries concerning this policy can also be directed to Faculty Adviser, Ms Lynne Adamson, Associate Dean Clinical Education, phone: (02) 9351 9510, or email l.adamson@fhs.usyd.edu.au.

The University is not involved in this checking process and it will not be given any information about students on whom an adverse criminal record report is made. This information will be retained by the NSW Department ofHealth, which is legally entitled to hold such records, and the NSW Department of Health will correspond directly with adversely affected students. The University, in consultation with the Students Representative Council (SRC), has established protocols to enable students affected by the policy to receive appropriate advice and support and, if necessary, to enable them to transfer their enrolment to another course. These protocols were implemented in 1998.

NSW Child Protection (Prohibited Employment) Act.

University of Sydney students undertaking 'child-related' placements as part of their course are also subject to the requirements of the NSW Child Protection (Prohibited Employment) Act.

Broadly, the purpose of the Act is to regulate the employment of 'prohibited persons' in 'child-related employment'. Under the Act a 'prohibited person' is a person who has committed a serious sex offence. 'Child-related employment' means employment, paid or unpaid, which involves direct contact with children, where that contact is not directly supervised. **The Act specifically includes persons undertaking practical training as part of an educational or vocational course within its - definition of employment.**

Prior to undertaking any clinical placement, students must return a signed copy of the Prohibited Employment Declaration to Student Administration. Failure to do so may jeopardise any such placement and the fulfillment of course requirements.

New students will be provided with copies of the Declaration at enrolment. Copies may also be obtained by new and re-enrolling students from Student Administration, Cumberland.

Further details can be obtained from NSW Commission for Children and Young People - Working with Children Check Web site, www.kids.nsw.gov.au/check/.

NSW Health Privacy Management Plan

Students undertaking clinical placements must be familiar with the content of this Plan and comply with the Privacy and Personal Information Protection Act 1998. For further information, see NSW Department of Health circulars - 2000 at the Web site

www.health.nsw.gov.au/fcsd/rmc/cib/circulars/2000/ (scroll to 2000/62 - *NSW Health Privacy Management Plan).*

■ School of Applied Vision Sciences

The School of Applied Vision Sciences acknowledges the following for their support in the School's clinical education program.

Public hospitals

Metropolitan

Bankstown
Blacktown
Concord Repatriation General
Coorabel
Liverpool
Prince of Wales, Randwick
Royal North Shore Public Hospital
Ryde Rehabilitation and Geriatric Service
St George, Kogarah
Sydney Eye, Sydney
The Children's Hospital at Westmead
Westmead Centre
Western Sydney Development Disability Service, Marsden Campus

Country and interstate

Repatriation and General, Greenslopes Brisbane
Royal Brisbane

Community agencies and private organisations
Alice Betteridge School
Bondi Junction Laser Sight Centre
Campbelltown Community Health Centre
Central Sydney Area Health and Service
Child, Adolescent and Family Health Services, Glebe
Eye Associates, Sydney
Eye Institute, Chatswood
Eye Spy Australia Pry Ltd, Pagewood
Ingleburn Community Health Centre
Laser Sight Centre, Parramatta
Marsden Eye Specialists, Parramatta
Netwest Eye Centre, Blacktown
North Shore Eye Centre, St Leonards
Northern Eye Surgery, Hornsby
Penrith Community Health Centre
Royal Blind Society for NSW - Enfield, Newcastle and Canberra
Royal Far West Children's Health Scheme, Manly
Sebban Eye Centre, Warringah
Sydney Eye Specialist Centre, Kingsford
Wyong Eye Surgery

Private practitioners

M Awad, Y Makdissi - Dr S Franks
Drs C Baker, W Barnett and Moore - R Lang
Dr M Branley
Dr J Chau-Vo - M Karakaya
Dr Cohen - J Cumines
Dr J Downie - S El Khaled
DrPSDuke-FArdati
Dr M P Flaherty - R Lewarne
Drs A Flax, E Soicher - C Peterson
Dr I Goldberg
Dr THaymet-S Piatt
Dr K Herbstein
Dr GS Horowitz
Dr A Hunyor - A Pryke
Dr D McKay
Drs M Manku, C Joneshart, W Porter and C Challinor - P Britz
Dr F Martin-S Sutton
Dr P Martin - B Tsibiridis
Dr C N Moshegov
Drs P Myers, K Sindhu - S Dawson
Dr R Rawson - M Pourzimal
Dr A Rosenberg - Y Pham- Vu
DrDSharota-DDinh
Dr J Smith
Dr MSteiner-R Davis
Dr M Wei-S Hooper
Dr S Wine-A Coyne

■ School of Behavioural and Community Health Sciences

The School of Behavioural and Community Health Sciences wishes to acknowledge the following organisations for their contribution to the field experience in the Bachelor's degree, Graduate Diploma and Master's degree courses in Rehabilitation Counselling.

Public hospitals and community health services

Metropolitan

Bankstpwn-Lidcombe Hospital
Blacktown Mental Health Team
Blue Mountains Area Health Service
Botany Community Health Centre, Mental Health Team
Chatswood Mental Health Outreach Team
Eastern Sydney Area Health Service, The Centre, Leichardt
Glebe Community Health Centre
Granville Mental Health Rehabilitation Service
Herbert St Drug and Alcohol Services
Hornsby Kuring-gai Hospital- Drug and Alcohol Services
Liverpool Hospital Brain Injury unit
Manly Hospital Mental Health Rehabilitation
Merrylands Community Health Centre
Penrith Living Skills Centre
Prince Henry Hospital
Royal North Shore Hospital
Royal North Shore Hospital Pain Clinic
Royal North Shore Sexual Health Clinic
Royal Prince Alfred Hospital - Detoxification Services
Ryde Hospital and Community Health Services
St George Hospital and Community Health Services
St Joseph's Hospital, Auburn
St Vincent's Hospital
St Vincent's Hospital Pain Management
Sydney Hospital Sexual Health Clinic
The Children's Hospital at Westmead
Westmead Hospital Brain Injury unit
Westmead Hospital Volunteers Program

Country

Alcohol and Drug Program, Canberra
Coffs Harbour Drug and Alcohol unit
Coledale Hospital, Coledale
Cooma Community Health Centre, Mental Health Team
Mental Health Association, Qld
Morrisett Hospital
Southwest Brain Injury Rehabilitation Service, Albury
Tamworfh Base Hospital

Private hospitals

'Carrawarra' Brain Injury unit, St John of God Hospital, Goulburn
Lady Davidson Hospital
Royal Rehabilitation Centre, Sydney Occupational Rehabilitation unit
St Edmonds Private Hospital

Commonwealth government departments and agencies

CRS Australia

Metropolitan

Ashfield; Bankstown; Blacktown; Chatswood; Darlinghurst; Dee Why; Epping; Fairfield; Granville South; Granville Vocational unit; Hurstville; Liverpool; Maroubra; Miranda; Mt Druitt; Parramatta; Richmond; Rockdale.

Country and interstate

Albury; Armidale; Bathurst; Dubbo; Gosford; Katherine; Lismore; Maitland; Maroochydore, Qld; Melbourne; Moree; Newcastle; Orange; Port Macquarie; Queanbeyan; Southport, Qld; Tamworth; Toowong, Qld; Wollongong; Wyong.

Community agencies and private organisations

Metropolitan

'Bedrock' Radio
Accent Rehabilitation Services
Action for Citizens with Disabilities, St Ives
Active Employment Parramatta
Active Occupational Health Services, Penrith
AMP Insurance
Amputee Association, Greenacre

ANCORW, Auburn
Anglicare Youth Services
ARAFMI
Assertive Recovery in the Community, Chatswood
Australia Post
Australian Injury Management, Granville
Australian Quadriplegic Association, Matraville
Autism Association of NSW
Barnardos
Bates Drive Special School
Bidwell Refuge
Blacktown City Mental Health Centre
Bosnian Information and Welfare Centre, Lidcombe
Breakthru Personnel
Bridgeway House, North Parramatta
Buckingham House, Surry Hills
Burwood City Council
CARE Nautilus Project, Croydon
Carlton House, Peakhurst
Centacare
Challenge Employment
Clarke Saunders Psychological Services, Parramatta
CMS Rehabilitation, Bankstown
Cobham Juvenile Justice Centre, St Marys
Coles Myer Pty Ltd
CombrookPtyLtd
Community Outreach Ministries, Youthline
Congruence, Abbotsford
Corporate Rehabilitation Services, Parramatta
Crowle Foundation
Deaf Society of NSW
Department of Community Services
Department of Corrective Services
Durossil Challenge Foundation, Merrylands
Eastern Suburbs Learning Centre
Epilepsy Association
Flintwood Disability Services, Westmead
GROW
House in the Park, Wahroonga
House With No Steps, Alstonville
ICLA, Bondi
IMAC, Pennant Hills
Inala, Cherrybrook
Injury Management Assist, Liverpool
IPC Employment, Cabrammatta
Job Support Inc Kingstown; Blacktown
JobMatch, Parramatta
Juvenile Diabetes Foundation, St Leonards
Juvenile Justice Department
L'Arche Society, Burwood
Life After Prison Inc, North Parramatta
Lotus Glen Correctional Centre
Lou's Place, Kings Cross
McDonalds Australia
MEND Rehabilitation Services, Glebe
Mission Employment - Mt Druitt; Penrith; Blacktown; Brookvale; Punchbowl
Motor Accident Authority
Multiple Sclerosis Society, Lidcombe
Muluwa Correctional Services
Natcover, Sydney City
North Rocks School for Deaf and Blind Children
North West Disability Services, Baulkham Hills
Northern Beaches Interchange, Warriewood
NOVA Employment, St Marys
NSW Ambulance Service
NSW Correctional Services
NSW Fire Brigade
NSW Police Service
Occupational Health Professionals, Wetherill Park
Odessey House
Ozanam
Paraquad, Homebush
Pecky's
People With Disabilities, Stawberry Hills
Pindari Centre
PRA, Harris Park
PRA, Redfern
QANTAS
QBE Insurance
Re-Employ, Liverpool
Rehab. Management Australia, Parramatta
Reiby Juvenile Justice Centre, Campbelltown
Resolutions, Glebe
Roger Q Enterprises, Dural
Royal & Sun Alliance Insurance
Royal Blind Society, Burwood
STEPS Employment, Chatswood
School for Children with Autism - Peakhurst; Wetherill Park
SEE Foundation, Westmed
Silverwater Gaol
Silverwater Work Release Correctional Centre
Star City Casino
STARTTS, Fairfield
State Transit Authority
Sydney Employment Development Service
Syd-West Personnel, Parramatta
Sylvania Children's Respite
The JUM, Salvation Army, Parramatta
The Langton Centre, Surry Hills
The Salvation Army - Joblink
The Spastic Centre
The Spastic Centre, CASS, Brookvale
Unilever, Ryde
University of New South Wales
Victims of Crime, Sydney City
Victims Veterans Counselling Service, Parramatta
Vincentia Day Village
Vocational Capacity Centre, North Sydney
Wangee Park Special School, Lakemba
Wesley Life Skills: Bankstown, Croydon Park, Granville, Petersham
Wesley Mission, Wesley Disability Support Services
Wesley Street Smart Youth Services, Haymarket
Westworks, Penrith
Women at Work
Work Directions Parramatta
Work Directions Sydney
Work-Focus Australia, Newtown
Work Right
WorkCoverNSW
Workers' Health Centre, Granville
Yasma Juvenile Justice Centre, Haberfield
Youth Reach, DeeWhy
Zurich Insurance

Country and interstate

ABI Community Access Team, Gosford
ACROD, Cabarita
AW Workwise, Newcastle
Blue Mountains Disability Services, Springwood
CHESS, Coffs Harbour
CMS Rehabilitation, Newcastle
Combrook - Geelong; Melbourne
Essential Personnel, Nowra
Gulmarrad Public School, Gulmarrad
Headway Tasmania
Hill Street Occupational Rehabilitation Service, Gosford
IDAFE, Port Macquarie
ISIS Primary Care, Victoria
Joint Coal Board, Singleton
Kamiera Farm,-Wyong
Lismore Skills Centre
Lotus Glen Correctional Centre, Mareeba Qld
McLean High School
Mission Employment Katoomba
Mumimbidgee & District Occupational Health & Rehabilitation Service, Gundagai
Overseas International Sports Training Camp
ParaMeadows, Wollongong
Peel Valley Training and Employment, Tamworth
PEP Gosford
PEP Wyong
Royal Blind Society, Orange
Smart Rehabilitation, Wollongong
Success at Work, Hobart TAS
The Leisure Company, Wagga Wagga
The Victorian Rehabilitation Centre, Glen Waverly
Triple Care Farm, Robertson
West Kempsey Public School, West Kempsey
Work Ability Personnel, Bega
Workcover Bundaberg, Qld
Workcover Gympie, Qld

Workways, Canberra
Overseas
Overseas International Sports Training Camp

■ School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders wishes to acknowledge the contributions to the clinical education and fieldwork programs December 2001 - December 2002 of the following agencies.

Public hospitals

Metropolitan
Bankstown/Lidcombe Hospital
Blacktown/Mt Druitt Hospital
Braeside Hospital
Camden Hospital
Concord Hospital
Hornsby Kuringai Hospital
Lady Davidson Hospital
Liverpool Head & Neck / BIU
Liverpool Hospital
Lothe Stewart Hospital
Nepean Hospital
Prince of Wales Hospital
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital
Royal Ryde Rehabilitation Service
Ryde Hospital
Ryde Brain Injury Unit
St George Hospital, Kogarah
St Josephs Hospital, Auburn
St Vincent's Hospital
St Vincent's Sacred Heart Rehabilitation
Sutherland Hospital
Sydney Children's Hospital
War Memorial Hospital, Waverley
The Children's Hospital at Westmead
Westmead Brain Injury Unit
Public Hospitals
Country / interstate
Albury Base Hospital
Armidale CHC / Hospital
Belmont Hospital
Blue Mountains District Hospital
Cairns Base Hospital
Coff's Harbour Hospital
Kurri Kurri Hospital
Lourdes Hospital, Dubbo
Maitland Hospital
Manning Base Hospital, Taree
Orange Base Hospital
Port Kembla Hospital
Port Macquarie Hospital
Royal Hobart Hospital
Shoalhaven District Memorial Hospital
St Vincent's Hospital, RobinaQLD
Tamworth Base Hospital
Woy Woy Hospital
Wyong Hospital
Community Health / NSW, Country, Interstate
Alice Springs Community Health Centre
Bega Community Health Centre
Burwood Child Adolescent & Family Health
Central Coast Health
Child Health Development Service, ACT
Dubbo Community Health Centre
Hurstville Community Health Service
Kiama Community Health Service
Lower Nth Shore Child & Health Service
Merrylands Community Health Centre
Mullumbimby Community Health Centre
Rockdale Community Health Centre
Rosemeadow Community Health Centre
Royal South Sydney Community Health Centre
Ryde-Hunters Hill Health
St Clair Community Health Centre
Sylvania Community Health Centre
Tweed Heads Community Health Centre
Department of Aging Disability and Homecare (DADHC)
BlacktownDADHC
Campbelltown DADHC
Katoomba DADHC
Penrith DADHC
Metro-West Residences DADHC
Mt Druitt DADHC
Community Agencies and Private Organisations
Autism Association
Alice Betteridge School, North Rocks
Cairns Child & Development Unit
Dalwood Assessment Centre
Kids Cottage
Kintore Community Services, NT
Leichhardt Disability Services
Spastic Centre of NSW
Speech Pathology Services, NT
The Children's Cochlear Implant Centre

Other organisations

Broderick / Gillawama Special School
Mater Dei Special School
Regina Coelli Primary School
Shepherd Centre, NSW
Smithton Primary School, TAS
Spastic Centre Rural Outreach Team
St Joseph's Primary School
St Mary's Star of the Sea Primary School

■ School of Exercise and Sport Science

The School of Exercise and Sport Science would like to acknowledge the cooperation and support of the following institutions in the School's practicum program.

Public hospitals

Balmain Hospital
Concord Hospital
Lady Davidson Hospital
New Children's Hospital
Royal North Shore Hospital
St George Hospital
St Joseph's Hospital
St Vincent's Hospital
Sutherland Hospital
The Sydney Adventist Hospital
Westmead Hospital

Other organisations

180 Degree Personal Training
393 Health Club
Adult Resource Program
Australian Sports Drug Agency (ASDA)
Blacktown Workers Health Club
Bike School
Body Express
Campbelltown City Council
Canberra Raiders RLFC
Canterbury-Bankstown RLFC
Carlisle Swimming, Sydney Academy of Sport
Castle Hill Podiatry
Central Area Health Service
Channel Nine "Good Medicine"
Christian Community Aid Service Inc.
Cronulla-Sutherland RLFC
Department of Animal Sciences, The University of Sydney
Department of Sport and Recreation
Fernwood Female Fitness Centre
Fit for Work Australia
Indoor Central
Injury Management Assist (IMA)
Kings School
Mascot Physiotherapy and Sports Injury Clinic
MBF Health Management
Moriah College
MS Canterbury Bankstown Physiotherapy Centre
National Heart Foundation
National Mutual Health Management

New Balance Lifestyle Solution
New South Wales Institute of Sport
New South Wales Fire Brigade, Health and Fitness Medical Division
New South Wales Police Service, Healthy Lifestyle Branch
New South Wales Rugby
New South Wales Winter Sports Academy
North Sydney Orthopaedic and Sports Medicine Centre
Parramatta Power Soccer Club
Parramatta RLFC
Peak Conditioning
Penrith RLFC
Perisher Blue Race Department
Pittwater Physiotherapy/Sports Injury Centre
Presbyterian Ladies College
Pymble Ladies College
RTA Crashlab
Sport Nutrition
Sports Focus
Sports Medicine Australia (NSW Branch)
Sydney Academy of Sport
Sydney City RLFC
Sydney University Women's Sports Association
Workcare Medical

■ School of Health Information Management

The School of Health Information Management acknowledges the cooperation and support of the following institutions in the School's professional experience program.

Public hospitals

Metropolitan
Balmain Hospital
Bankstown Hospital
Blacktown District Hospital
Blacktown/Mt Druitt Health, Mt Druitt Campus
Canterbury Hospital
Cumberland Hospital, Parramatta
Fairfield District Hospital
Hawksbury Hospital, Windsor
Hornsby Ku-Ring-Gai Hospital and Area Health Service
Liverpool Hospital
Macarthur Health Service
Manly Hospital and Community Health Services
Mona Vale Hospital
Nepean Hospital Penrith
Prince of Wales Hospital, Randwick
Repatriation General Hospital, Concord
Royal Hospital for Women, Paddington
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital, Camperdown
Royal Ryde Rehabilitation Centre
Ryde Hospital and Ryde-Hunters Hill Area Health Service
Sacred Heart Palliative Care Service
St George Hospital, Kogarah
St John of God Hospital, Burwood
St Joseph's Hospital, Auburn
St Luke's Hospital Complex
St Vincent's Hospital, Darlinghurst
Sutherland Hospital Caringbah
Sydney Children's Hospital, Randwick
Sydney Hospital & Sydney Eye Hospital
The Children's Hospital at Westmead
The Rozelle Hospital
Westmead Hospital
Country and interstate
Bathurst District Hospital
Blue Mountains District Anzac Memorial Hospital
Bowral District Hospital
Camden Hospital
Coffs Harbour and District Hospital
Cooma District Hospital
Dubbo Base Hospital
Forbes District Hospital
Gosford Hospital
John Hunter Hospital
John James Memorial Hospital
Lismore Base Hospital
Lithgow Hospital
Orange Base Hospital
Pambula Hospital
Port Macquarie Base Hospital
Princess Alexandra Hospital, Brisbane
Royal Darwin Hospital
Royal Newcastle Hospital
Royal Women's Hospital, Brisbane
The Canberra Hospital
Wollongong Hospital
Overseas
Hospital Authority, Hong Kong
North District Hospital, Hong Kong
Prince of Wales Hospital, Hong Kong
Princess Margaret Hospital, Hong Kong
Queen Elizabeth Hospital, Hong Kong
Queen Mary Hospital, Hong Kong
Royal Cornwall Hospital, United Kingdom
Singapore General Hospital

Private hospitals and nursing homes

Holroyd Private Hospital
Hurstville Community Cooperative, Hurstville
Illawarra Private Hospital
Kareena Private Hospital
Newcastle Mater Hospital, Waratah
North Shore Private Hospital
St George Private Hospital
St Margaret's Private Hospital, Darlinghurst
St Vincent's Private Hospital, Darlinghurst
Strathfield Private Hospital
Sydney Adventist Hospital, Wahroonga
The Hills Private Hospital
The Poplars Hospital, Epping
The Scothsh Hospital, Paddington

Government departments and agencies

Central Cancer Registry
Central Coast Area Health Service, Gosford
Central Sydney Health Service, Camperdown
Central West Regional Office, Peak Hill
Cumberland Developmental Disability Service
Department of Community and Health Services, Hobart
Department of Health (NSW), Health Statistics Unit
Hunter Area Health Service, Newcastle
Long Bay Prison Complex
National Centre for Classification in Health
North Coast Regional Office, Lismore
Northern Sydney Area Health Service, St Leonards
Orana and Far West Regional Office, Dubbo
South East Regional Office, Goulburn
South West Regional Office, Wagga
STARTTS

Other organisations

3M Health Care Group
Commonwealth Bank Health Care of Australia
Health Information Management Association of Australia, North Ryde
Medical Benefits Fund of Australia
NHMRC Clinical Trials Centre, The University of Sydney
Prime Care Pty Ltd
Rolls Manufacturing, Castle Hill
Startts-Fairfield
The Simpson Centre for Health Service Innovation
Veterinary Teaching Hospital, The University of Sydney

■ School of Medical Radiation Sciences

The School of Medical Radiation Sciences would like to recognise the following clinical centres for their invaluable assistance in the clinical education program.

Diagnostic Radiography

Adelaide Women & Children's Hospital
Alice Springs Hospital
Armidale Hospital
Auburn District Hospital
Bankstown - Lidcombe Hospital

Barwon Medical Imaging Geelong
Bathurst Base Hospital
Bathurst Radiology
Bega District Hospital
Bega Valley Radiology
Belmont Hospital
Bendigo Base Hospital
Blacktown District Hospital
Blacktown X-ray Centre (2)
Blue Mountains Anzac Memorial Hospital
Bondi Junction Radiology
Border Medical Imaging - Albury Base Hospital
Border Medical Imaging - 3 Ramsay PI. Albury
Bourke District Hospital
Bowral Hospital
Brisbane Waters Hospital Radiology
Broken Hill Health Service
Bulli District Hospital
Cabramatta X-Ray Centre
Cairns Base Hospital
Calvary Hospital
Canberra Imaging Group, Belconnen
Canberra Imaging Group, Erindale
Canberra Imaging Group, Garran
Canberra Imaging Group, John James Hospital
Canberra Imaging Group, Queanbeyan
Canterbury District Hospital
Castiereagh Imaging, Windsor
Castlereagh Radiology, Brookvale
Castlereagh Radiology, Mt Druitt
Castlereagh Radiology, Tamworth
Central Coast Radiology
Central Queensland Medical Imaging
Central Sydney Imaging Ashfield
Central Sydney Imaging Newtown
Cessnock District Hospital
City Medical Imaging
Clarence Valley Imaging
Coffs Harbour Base Hospital
Coffs Harbour Radiology
Concord Repatriation General Hospital
Dee Why X-ray and CT
Dr Glenn & Partners Medical Imaging
Dr Jones & Partners, Adelaide
Dr Rush, Taylor & Partners Hobart
Dubbo Base Hospital
Eastwood X-Ray Centre
Erina Radiology
Fairfield District Hospital
Fairfield X-Ray
Frenchs Forest X-ray & CT
Geelong Hospital
Gold Coast Hospital
Gosford District Hospital
Goulburn Base Hospital
Grafton Base Hospital
Greenslopes Private Hospital
Hawkesbury Hospital
Hornsby & Ku-ring-gai Hospital
Hunter Imaging Group
Hunter Imaging Group, Broadmeadow
Hunter Imaging Group, Cardiff
Hunter Imaging group, Maifland
Hunter Imaging Group-Nelson Bay
Hurstville Imaging Centre
Illawarra Radiology
Illawarra Radiology Corimal
Ipswich Hospital
John Flynn Hospital
John Hunter Hospital
John James Hospital
Kalgoorlie Regional Hospital
Kempsey District Hospital
Launceston General Hospital
Lismore Base Hospital
Lithgow Integrated Health Facility
Liverpool Hospital
Logan Hospital
Macarthur Diagnostic Imaging
Macarthur Health Service, Campbelltown
Maitland Hospital
Manly District Hospital
Manly Radiology & CT
Manning Base Hospital
Manning Valley Medical Imaging
Maroubra Medical Imaging Centre
Marrickville Diagnostic Centre
Maryborough Base Hospital
Mater Imaging
Mater Private Hospital, Townsville
Mayne Health Diagnostic Imaging Bankstown
Mayne Health Diagnostic Imaging Campsie
Mayne Health Diagnostic Imaging Casde Hill
Mayne Health Diagnostic Imaging Kareena
Mayne Health Diagnostic Imaging Merrylands
Mayne Health Diagnostic Imaging Miranda
Mayne Health Diagnostic Imaging Noosa
Mayne Health Diagnostic Imaging North Gosford
Mayne Health Diagnostic Imaging Sunshine Coast X-Ray & Imaging
Mayne Health Diagnostic Imaging Sutherland
Mayne Health Diagnostic Imaging Wetherill Park
Mayne health Diagnostic Imaging, Eastwood
Mayne Health Diagnostic Strathfield Imaging Centre
Mona Vale Hospital
Moree Plains Health Service
Mt Alvernia Mercy Hospital Bendigo
Mt Druitt Hospital
Mudgee Health Service
Mudgee Radiology
Murwillumbah Hospital
National Capital Diagnostic Imaging, Deakin
National Capital Diagnostic Imaging, Tuggeranong
National Capital Diagnostic Imaging, Woden
Nepean Hospital
Nepean Private Hospital
New Campsie Radiology
North Coast Radiology
North Shore Radiology
North West Radiology - Castle Hill
North West Radiology, Blacktown
North West Radiology, Eastwood
North West Radiology, Homsby
NorthWest Imaging, Westmead
Northwest Regional Hospital, Burnie
Nowra Community Hospital
Orana Radiology
Orange Base Hospital
Parramatta Diagnostic Imaging
Pennant Hills Diagnostic Centre
Penrith Imaging
Penrith Imaging (2)
Port Macquarie Base Hospital
Primary Diagnostic Imaging
Prince Charles Hospital
Prince of Wales Hospital and Childrens
Queanbeyan District Hospital
Queens Medical Centre
Queensland X-ray Services Parkhaven Medical Centre
Rayscan Imaging Burwood
Rayscan Imaging, Fairfield
Rayscan Imaging, Liverpool
Rayscan Imaging, The Hills
Rayscan Mudgee X-Ray
Redcliffe Hospital
Regional Imaging Limited (Albury/Wodonga)
Rockhampton Hospital
Royal Hobart Hospital
Royal Adelaide Hospital
Royal Brisbane Hospital
Royal Melbourne Hospital
Royal North Shore Hospital
Royal Perth Hospital
Royal Prince Alfred Hospital
Rush Taylor & Partner
Ryde Hospital
Shellharbour District Hospital
Shoalhaven District Hospital
Shoalhaven Medical Centre
South Coast X-ray
Southern Radiology - Miranda
St George Hospital

St George Private Hospital Imaging Complex
St George Private Radiology
St John of God Geelong
St Vincent's Hospital
St Vincents Launceston
St Vincent's Private Hospital
Sutherland Hospital
Sydney & Sydney Eye Hospitals
Sydney Adventist Hospital
Sydney CT& MR
Sydney X-ray, Maroubra
Tarn worth Base Hospital
The Canberra Hospital
The Children's Hospital at Westmead
The Hills Private Hospital
The Townsville Hospital
Toowomba Hospital
Townsville General Hospital
Tweed Heads District Hospital
Ultrascan Auburn
Ultrascan Campbelltown
Ultrascan Liverpool
Ultrascan Mt Druitt
Wagga Base Hospital
Wagga Medical Imaging
Westmead Hospital
Whistier Radiology Moruya
Wollongong Hospital

Nuclear Medicine

Bankstown-Lidcombe Hospital
Brisbane Waters Nuclear Medicine
Burwood Nuclear Medicine Diagnostic Centre
Camden Nuclear Medicine
Campsie Nuclear Imaging .
Canberra Imaging Group
Canterbury Bankstown Nuclear Imaging
Coffs Harbour Nuclear Medicine
Concord Repatriation General Hospital
Dee Why Nuclear Medicine
Dubbo Private Hospital
Gosford Nuclear Medicine
Hobart Isotope Imaging
Holy Spirit Medical Imaging
Hornsby Ku-Ring-Gai Hospital
Hornsby Ku-Ring-Gai Nuclear Medicine
Illawarra Regional Hospital
John Flynn Hospital
John Hunter Hospital
Kanwal Nuclear Medicine
Liverpool Hospital
Mayne Health Diagnostic Imaging - Port Macquarie
McCarther Nuclear Medicine
National Capital Diagnostic Imaging
Nepean Hospital
Newtown Diagnostic Nuclear Medicine
Newtown Nuclear Medicine and Diagnostic Ultrasound
North Coast Nuclear Medicine
North Coast Radiology
North Shore Private Hospital
Nuclear Medicine and Ultrasound Associates Group
Orange Base Hospital
Royal Adelaide Hospital
Royal Brisbane Hospital
Royal North Shore Hospital
Royal Perth Hospital
Royal Prince Alfred Hospital
Shoalhaven Nuclear Imaging
South West Nuclear Medicine Group
St George Nuclear Imaging
St George Private Hospital and Medical Centre
St Vincent's Hospital
Sutherland Nuclear Medicine
Sydney Adventist Hospital
Tamworth Hospital
The Canberra Hospital
The Children's Hospital at Westmead
The Prince of Wales Hospital
The Ryde Medical Centre
The St George Hospital
Wagga Medical Imaging
Western Nuclear Medicine Group
Westmead Diagnostic Imaging
Westmead Hospital
Wollongong Nuclear Medicine

Radiation Therapy

Central Coast Radiation Oncology
East Coast Cancer Care, John Flynn Radiation Oncology
Illawarra Cancer Care Centre, Wollongong Hospital
Launceston General Hospital
Liverpool Hospital
Mater Misericordiae Hospital
North Queensland Oncology Services, Tow nsville
Peter MacCallum Cancer Institute
Prince of Wales Hospital
Radiation Oncology Associates P/L - Mater Misercordiae Hospital
Radiation Oncology Network - Nepean campus
Radiation Oncology Network - Westmead campus
Riverina Cancer Care Centre
Royal Adelaide Hospital
Royal Hobart Hospital
Royal North Shore Hospital
Royal Perth Hospital
Royal Prince Alfred Hospital
Sir Charles Gairdner Hospital, Perth
St George Hospital
St Vincent's Hospital
Sydney Radiotherapy and Oncology Centre - Sydney Adventist Hospital
The Canberra Hospital

■ School of Occupation and Leisure Sciences

The School of Occupation and Leisure Sciences wishes to acknowledge the following organisations for their contribution to the 2002 fieldwork program for its students in the Bachelor of Applied Science (Leisure and Health) and the Bachelor of Applied Science (Occupational Therapy) courses.

Metropolitan

Accent Rehab
Access Australia
Active Health & Safety
Active Solutions
Alice Betteridge School
All OT& Rehab
Allowah Babies Hospital
Alwyn Rehabilitation Hospital
Alzheimers Association
Anglican Retirement Village
Arthritis Foundation
Assertive Community Treatment Team
Assertive Recovery In The Community
Auburn Hospital
Australian Soccer Federation
Autumn Lodge Village
Balmain Hospital
Banksia House
Bankstown CHC
Bankstown Handicapped Children's Centre
Bankstown Lidcombe Hospital
Beaumont Road School
Beechwood Nursing Home
Beecroft Nursing Home
Belmore Nursing Home
Belrose Country Club
Benevolent Society
Berkeley Vale Private Hospital
Bethel Nursing Home
Birdwood Road Day Care Centre
Blacktown City MH Service
Blacktown Community Services Centre
Blacktown Hospital
Bosley Park Nursing Home
Bowral CHC
Braeside Hospital
BRATS
Bridgeway House
Brookvale Early Intervention Centre

Buckingham House
Bungarribee House
Calvary Hospital
Camden Hospital
Campbelltown Hospital
Campbelltown MH Service
Canterbury ACAT
Canterbury Hospital
Cardinal Gilroy Village
Centacare Early Intervention Team
Central Sydney Area Occupational Therapy in MH
Central Sydney Community Drug & Alcohol Service
Chalmers Road School for Specific Purposes
Citizen Advocacy
Cobham Juvenile Justice
Commonwealth Government Departments and Agencies
Commonwealth Rehabilitation Service
Community Services Centre
Concord Hospital
Cromehurst Special School
Croydon Living Skills Centre
Cumberland Hospital
Cumberland Prospect Disability Service
Dalcross Private Hospital
Delmar Private Hospital
Department of Community Services
Department Veteran Affairs
Des Renford Aquatic Centre
Developmental Disability Service
Dixson Unit - Ryde Rehabilitation Unit
Doherty Centre
Dorothy Henderson Lodge
Early Intervention Team
Eastern Respite and Recreation
Eastern Suburbs Private Hospital
Ella Community Centre
EppingYMCA
Eversleigh Hospital
Evesham Clinic
Fairfield City Council
Fairfield-DOCS
Fairfield Hospital
Fairfield Rehab Centre
Fisher Road Special School
Glebe Community team
Gowrie Village
Greenhouse The
Greenwich Hospital
Greystanes Children's Homes
Halinda School
Hand in Hand Mercy Family Centre
Head East
Headway
Hills Community Health Centre
Holdsworth Street Community Centre
Holroyd Peer Support
Hopewood Health Resort
Hornsby Ku-ring-gal Hospital
Hurstville-DOCS
Independent Living Centre
Injury Management Assist
Injury Management Rehabilitation
Inner West Disability Services
IRS Total Injury Management
James Milson Nursing Home
Jewish Welfare
Job-Support Incorporated
John Williams Therapy Centre
Kalinda Living Skills
Kalparrin - Concord Hospital
Karonga School
Kathleen York House
Lady Davidson Hospital
Learning Links
Leichhardt Disability Service
Lets go Surfing
Links to Learning
Liverpool Health Service
Liverpool Hospital
Liverpool Leisure Club
Lothe Stewart Hospital
Macarthur Home Modifications
Macarthur Paediatric OT
Maclean CHC - Maclean Hospital
Macquarie Hospital
Mandy Shapiro - Private Practice
Manly Hospital
Manly Hospital - East Wing
Margi McMaster - Private Practice
Marrickville CHC
Matuscka OT Service
MEND
Mental Illness Education Australia
Metro South Disability Services
Metropolitan Rehabilitation Hospital
Michelle Arundle - Private Practice
Mona Vale Hospital
Mosman Day Centre
Mt Druitt CHC
Mt Druitt Hospital
Mt Wilga Hospital
Mulawa
Multiple Sclerosis Society of NSW
Myrtle Cottage
Narrabeen Sport & Recreation Centre
Nepean Hospital
Neringah Hospital
Network of Community Activities
Newtown Neighbourhood Centre
North Shore Recreation Network
North Sydney Council SUPS Team
North West Disability Services
Northcott Society
Northhaven Retirement Village
NSW Department of Sport & Recreation
NSW Rugby Union
Occupational Therapy for Kids
Occupational Therapy Helping Children
Occupational Therapy for Students and Schools
OHS Solutions
OTECS
Pacific Hills Special School
Pain In The Grass
Parkinson's Association
Peakhurst High School
Peakhurst Retirement Village
Pecky's Playground
Penrith Community Services Centre •
Pioneer Clubhouse
Prader Willi Association
Prairewood CHC
Prince Henry Hospital
Prince of Wales Hospital
Progressive Employment Personnel
QBE Worker's Compensation
Quadraplegic Association
Qualitec Ltd
Quamby Detention Centre
QueensciffCHC
Rachel Foster Hospital
Randwick Public School Vacation Care Program
Recovre
Red Cross
Redfem CHC
Re-Employ
Rehab Management
Rehab Dynamics
Residential Support Service
Restart Consulting
ROADDS
Robertson Nursing Home
Ronald MacDonald House
Roselands Sports & Aquatic Centre
Royal Alexandra Hospital for Children
Royal Blind Society
Royal North Shore Hospital
Royal NSW Institute for Deaf and Blind
Royal Prince Alfred Hospital
Royal Rehabilitation Centre
Rozelle Hospital
Rydalmere Centre
Ryde Community MH Service

Ryde Health Promotion
Ryde Hospital
Salvation Army - The Collaroy Centre
SCEGGS Redlands Primary
Schizophrenia Fellowship
Shalom Hostel and Nursing Home
Sir Eric Woodward Special School
South Sydney CHC
South West Hand Therapy
Southcare
Southern Sydney Therapy Centre
Springwood CHC
St Basils Homes
St Catherine's Villa
St George Community Services Centre
St George Division of MH
St George Hospital
St Joseph's Hospital
St Vincent's Hospital
StlvesYMCA
St Mary's Community Health
Starlight Foundation
STARTT'S
Stepping Stone House
Studio Artes
Sultan Lalani - Private Practice
Sunnyfields
Supported Accommodation
Susan Lowe - Private Practice
Sutherland Hospital
Sutherland Leisure Centre
Sutherland Shire Council
Sydney Academy of Sport
Sydney Eye Hospital
Sydney University Sports & Aquatic Centre
Sylvania CHC
Sylvanvale School
Technical Aid to the Disabled
Ted Noffs Foundation
The Autistic Association
The Children's Hospital at Westmead
The Clubhouse
The Greenhouse
The Health Club
The Hills Special School
The Maroubra Centre
The Spastic Centre
The Whitlam Centre
Tom O'Neill Centre
Total Rehabilitation Service
Vein Barnett School
Wahroonga Rehab Service
War Memorial Hospital
Wareemba Community Living
Warringah Council
Waverley CHC
Waves Aquatic & Fitness Centre
Wesley Mission
Wesley Private Hospital
Wesley Retirement Village
Westmead Hospital
Whalan School
Willoughby Leisure Centre
Willyama Cottage (Westmead Hospital)
WIMS
Work Solutions
Workcare Medical
Workcase
Workcover
Workfocus Australia

Country and interstate

ACT **MH** Services
Adolescent & Adult CHC - NT
Aged & Disability Team for East Arnhem
Aged Care Advisory Service - Wagga Wagga
Aged Care Assessment Team - Kurri Kurd
Alfred Hospital - Prahran
Armidale & New England Hospital
Ballina Hospital
BathurstACAT
Bathurst Base Hospital
Bathurst Brain Injury Unit
Bega CHC
Belconnen Health Centre -ACT
Belmont District Hospital
Berkley Vale Private Hospital
Bloomfield Hospital - Orange
Blue Mountains District Health Service
Bowral CHC
Broken Hill Hospital
Byron Bay and Mullumbimby CHC
Byron Bay Primary Health Centre
Calvary Hospital - ACT
Canberra Hospital - ACT
Canberra PCYC-ACT
Caufield Hospital -VIC
Central Coast Area Health Service
Cessnock/Kurri Kurri Hospital
Child Health & Development Centre - Tuggeranong
Coastlink Respite Centre -
Coffs Harbour Base Hospital
Coledale District Hospital
Commonwealth Rehabilitation Service - Southport
Community Programs Incorporated - Grafton
Cooma Hospital
Cowra District Hospital
Cyprus Lakes Resort
David Berry Hospital -
DOCS-Bowral
Dubbo Base Hospital
Dubbo CHC
Dubbo DOCS
Edmund Rice Camps - Mulgoa
Eurobodalla Community Health - Moruya
Family Links -Wagga Wagga
Forbes District Hospital
Forster CHC
Geraldton Health Service - WA
Giant Steps - Launceston
Glengarry Campus - Kangaroo Valley
Gold Coast Hospital - QLD
Gosford Hospital
Goulburn Base Hospital
Hamilton Base Hospital
Homeleigh Rehab Centre - Wollongong
Hunter Residences - Newcastle
Hunter Rural ACAT - Newcastle
niawarra Brain Injury Service - Wollongong
Ulawarra Child Development Centre -Wollongong
Independent Living Centre - ACT
Interact Injury Management - Bathurst
IRS Total Injury Management - Orange
James Fletcher Hospital - Newcastle
Jocelyn White - Wagga Wagga
John Hunter Hospital - Newcastle
Joint Coal Board - Newcastle
Karabar CHC - Queanbeyan
Kempsey Hospital
Kiama Hospital
Kingswood Community Care
Launceston Hospital
Lismore Community Mental Health Team
Lithgow Health Service
Lourdes Hospital - Dubbo
MandurahCHC-WA
Mercy Care Centre -Young
Mercy Hospital - Albury
Moore Options-ACT
Morisset Hospital
Moruya Hospital
Murwillumbah Hospital
Narribri Health Service
Nelson Bay CHC
Newcastle Hospital
North Gosford Private Hospital
Occupational Therapy Services Singleton
Orange Base Hospital
Parkes CHC
Peninsula Health Rosebud Hospital - VIC
Pilbara Development Commission - WA
Port Kembla Hospital
Port Macquarie Base Hospital

Port Macquarie CHC
Professional Injury Management - Port Macquarie
Project Hahnlnc-TAS
Ramsay Professional Services - Coffs Harbour
Rankin Park Unit - Newcastle
Rosebud Hospital - VIC
Royal Darwin Hospital - NT
Royal Hobart Hospital - TAS
Royal Newcastle Hospital
Rural Health Department - Wagga Wagga
Sheraton Mirage - QLD
Sheraton Port Douglas - QLD
Shoalhaven District Memorial Hospital
Southern Area Brain Injury Service
Southwest Health Care - VIC
Springwood CHC
St Giles School - Launceston
St Vincent's Hospital - Lismore
Taniworth Base Hospital
Taree CHC
The Golden Door - QLD
Total Recreation-NT
Upper Hunter CHC
Wagga Wagga Base Hospital
Wellington CHC
Wollongong Hospital
Workability Post School Options - Bega
Workplace Solutions QLD
Wreck Bay CHC
Overseas
Dipartmento di Salute Mentale - Trieste, Italy
Alexandra Hospital - Singapore
Leith Social Work Centre - UK
Richmond Royal Hospital - UK
Middlesex Hospital - UK
YMCA Camp Marston - USA

■ School of Physiotherapy

The School of Physiotherapy wishes to acknowledge the vital function performed by physiotherapists who undertake the clinical education of its undergraduate students. These clinical educators are located in clinical units in New South Wales and interstate.

Public hospitals

Metropolitan
Auburn Hospital
Balmain Hospital
Bankstown-Lidcombe Hospital
Blacktown Hospital
Blue Mountains District Anzac Memorial Hospital
Braeside Hospital
Community Rehabilitation and Geriatric Services, Kogarah
Camden Hospital
Campbelltown Hospital
Canterbury Hospital
Concord Repatriation General Hospital
Fairfield Hospital
Greenwich Hospital
Hornsby Ku-Ring-Gai Hospital and Area Health Service
Lady Davidson Hospital, North Turramurra
Liverpool Health Service
Manly Hospital and Community Health Service
Mt Druitt Hospital
Mona Vale Hospital
Nepean Hospital
Prince Henry Hospital, Little Bay
Prince of Wales Hospital, Randwick
Royal Hospital for Women, Randwick
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital, Camperdown
Royal Prince Alfred Hospital, Institute for Rheumatology & Orthopaedics
Royal Prince Alfred Hospital, Sleep Disorder Unit
Royal Rehabilitation Centre, Sydney
Royal Rehabilitation Centre, Dixson Unit
Royal South Sydney Community Health Complex
Ryde Hospital and Community Health Services
St George Hospital, Kogarah
St Joseph's Hospital, Auburn
St Vincent's Hospital, Darlinghurst
Sutherland Hospital, Caringbah
Sydney Hospital & Sydney Eye Hospital
Sydney Children's Hospital, Randwick
The Children's Hospital at Westmead
War Memorial Hospital, Waverley
Westmead Hospital
*Country **and** interstate*
Aged Care Rehabilitation Unit, Hobart
Albury Base Hospital
Alice Springs Hospital
Armidale and New England Hospital
Ballina Community Health
Bathurst Base Hospital
Bega District Hospital
Broken Hill Base Hospital
Bulli District Hospital
Bundaberg Base Hospital
Calvary Health Care, ACT
Canowindra Soldier's Memorial Hospital
Casino Primary Health
Child Health and Development Service (CHADS), ACT
Coffs Harbour Base Hospital
Coledale District Hospital
Condobolin District Hospital
Cooma Hospital and Health Service
Cootamundra Hospital
Dubbo Base Hospital
Forbes District Hospital
Gilgandra Hospital
Gosford Hospital
Goulburn Base Hospital
Grafton Base Hospital
Griffith Base Hospital
Hunter Brain Injury Service
Hunter Intergrated Pain Service, Royal Newcastle Hospital
Hunter Rehab
John Hunter Hospital
Kempsey District Hospital
Launceston General Hospital
Lawrence Hargrave Hospital
Lismore Base Hospital
Lithgow Health Service
Long Jetty Health Care Centre
Lourdes Hospital, Dubbo
Maclean Community Health
Maitland Hospital
Manning Base Hospital, Taree
Mercy Care Centre, Young
Mercy Hospital, Albury
Mildura Hospital
Mudgee District Hospital
Murwillumbah District Hospital
Newcastle Mater Misericordiae Hospital
North West Regional Hospital, Burnie
Orange Base Hospital
Parkes Health Service
Port Kembla Hospital
Port Macquarie Base Hospital
Queanbeyan District Hospital
Rankin Park Unit (at Royal Newcastle Hospital)
Rankin Park Day Hospital, (William Lyne Site)
Royal Darwin Hospital
Royal Newcastle Hospital
Shellharbour Hospital
Shoalhaven District Memorial Hospital, Nowra
St John of God Hospital, Goulburn
St Vincent's Hospital, Lismore
Tamworth Base Hospital & Health Service
The Canberra Hospital
Townsville General Hospital
Tweed Heads Hospital
Wagga Wagga Base Hospital
Wellington Distict Hospital
Wollongong Hospital
Woy Woy Hospital
Wyong District Hospital
Yarram and District Health Service

Private hospitals and nursing homes

Alwyn Rehabilitation Private Hospital
Aminya Hostel and Nursing Home
Delmar Private Hospital
Eastern Suburbs Private Hospital
Hawkesbury District Health Service
Hirondelle Private Hospital
Lady Davidson Hospital
Metropolitan Rehabilitation Hospital
Mt Wilga Private Hospital
North Gosford Private Hospital
North Shore Private Hospital
Sydney Adventist Hospital
Tamara Private Hospital
Toronto Private Hospital
Wesley Gardens Aged Care Centre
Wolper Jewish Hospital

Commonwealth government departments and agencies

ACT Community Care (Dickson Health Centre, Phillip Health Centre)
ADHOC (Aging Disability and Homecare Service)
Commonwealth Rehabilitation Service - Australia
HMAS Penguin
1 st Health Support B attalion (1 HSB)
No 3 RAAF Base Hospital, Richmond

State government department and agencies

Central Coast Community Rehabilitation Team
Leichhardt Disability Service

Community agencies and private organisations

Anglican Retirement Villages (MOWLL)
Community Aged Care Services
JCB Health
Multiple Sclerosis Society of NSW, Lidcombe
Royal Institute for Deaf and Blind Children - The Alice Betteridge School
Spastic Centre (Ryde, Allambie Heights, Carlingford, North Ryde, Prairiewood)

Private practitioners

Alison Coles
Alison Hewitt
Alison Murchison
Allan Bourke
Anne Pine
Annette O'Sullivan
Bernard Rusterholz
Beverley Giovanelli and Jeffrey Flood
Beverley Trevithick
Charles Tzannes
Chris Matsias
Christopher Duffy
Craig Nicholson, Colin Thompson, Martin Todd-Smith and Mark Wilson
David Bick, Britt Caling, Kingsley Gibson and Brent Kirkbride
David Philpot
Ed Hollis
Elizabeth Steet and Mark Bevan
Gary Eastburn, Margaret Eastburn and Stephen Hill
Gavin Malouf
Grant Pleffer
Greg Craig and Karen Avery
Greg Sheather
Greg Williams
Jan Williams
JeffPross
Jenny Aiken and Andrew Gray
Jim Liakos
Joanna Kelton
Joel Werman
John Munro
John Roberts
Julie Godfrey and Margaret Banff
Kate Hind
Kathie Newton
Kim Murray
Lesley Nicholson
Lindsay Trigar
Lisa Tomlinson-Alonso
Luke Wakely
Mark and Sally Cassidy
Matthew Stewart
Meg Mclntyre
Melinda Klarenaar
Melody Martin and Julia Hush
Nick Stepkovitch
Patricia Glover-Seppelt
Patricia Hunn
Paul Colenso
Pepe Stark
Peter Buffon and Denny Shearwood
Peter Kent
Peter Knapman and Mary Knapman
Phillip Camden
Phillip Richardson and Francis Crossle
Rob Hoy
Robert Tindale
Sonja Schulze
Suzanne Jones and Margaret Lay
Tony McNamara
Tracey Powell and Christopher McKenna
Warren Ansell

University of Sydney

University of Sydney Pain Management and Research Centre - Royal North Shore Hospital

■Yooroang Garang: School of Indigenous Health Studies

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Hosptiais

Royal Darwin Hospital, NT
Royal Prince Alfred Hospital, Camperdown NSW
Toowoomba Bare Hospital, Qld
Westmead Hospital, NSW
Women's and Children's Hospital, Nth Adelaide SA

Councils

Lockhardt River Aboriginal Council, Lockhardt River Qld

Aboriginal medical services

Aboriginal and Islander CHS Brisbane Ltd, Qld
Australian Federation of AIDS Organisation, Nambour Qld
Disability Services Aboriginal Co-operation, Petersham NSW
Drug and Alcohol Aboriginal Rehabilitation Unit, Townsville Qld CHS
Human Rights Commission, Native Title Unit, Sydney NSW
Kambu Medical Centre Ipswich Inc., Ipswich Qld
Katungal Aboriginal Medical Service, Narooma NSW
Menzies School of Health Research, Darwin NT
Narrabri CHS, Narrabri NSW
Ngaanyatjarra Pitjantjatjara Yankunytjatjara Women's Council Aboriginal Corporation, Alice Springs NT
Ngalkanbuy Health Service, Galiwinku Community Inc.
Noongar Alcohol and Substance Abuse Service, WA
NSW Health Department, Aboriginal Health Branch, Policy Planning Unit, NSW
Reconnect Service, Dubbo NSW
Territory Health Services, Darwin NT
Waminda Aboriginal Women's Health Organisation, Nowra NSW
Wellington Aboriginal Health Co-operation, Wellington NSW
Wuchopperen Health Service Ltd, Manuda Qld

20 Facilities and services

Bookshop

The University Co-operative Bookshop operates a branch on the Cumberland campus. Situated at the ground level of the Student Guild, the Bookshop holds all prescribed texts and various stationery and software items. Enquiries can be made on (02) 9351 9484 or (02) 9646 5335, fax (02) 9646 2495, email cumberland@coop-bookshop.com.au.

Childcare: Ngallia Child Care Centre

Ngallia, the on-campus child care centre is available for children aged between 6 weeks and 6 years. The children are cared by dedicated and qualified staff. Parents are welcome to visit the children throughout the day. For further information phone (02) 9749 7575 between 1 and 3 pm.

Counselling service

Student Welfare Services provides a counselling service to assist students who wish to discuss concerns of a personal, academic or vocational nature. The service is free and confidential. The Counsellor, a registered psychologist, is located in A005 in A Block. Students who wish to make an appointment with the Counsellor can phone (02) 9351 9473, or Student Welfare Services reception (02) 9351 9638 or book an appointment directly by writing in a time slot on the grid in the counselling waiting room. Appointments outside normal hours can be made available if booked in advance for students on clinical placements or who are studying part-time. In event of emergency when no counsellor is available on Cumberland campus, students can also arrange to see a counsellor at the Counselling Service on the Camperdown campus by calling (02) 9351 2228.

Credit Union facilities

The Unicom Credit Union Ltd has an agency with an automatic teller machine on campus. The agency is open on Thursdays, between 12 noon and 2 pm.

Cumberland Student Guild (CSG)

The Cumberland Student Guild (CSG) is the student-based organisation for those enrolled on the Cumberland Campus of The University of Sydney. As a Student Guild, it provides a broad spectrum of resources and representation that encompasses Food and Beverage, Sport and Recreation, Retail, Academic Support Services, Accommodation and Social Activities. This student-based organisation's policies and directions are determined by an annually elected Management Committee of students. The Student Guild is your support organisation on campus.

The Management Committee of the Cumberland Student Guild has employed a range of professional staff members with expertise in a wide range of Student Guild services and facilities to deliver the services and facilities on campus in a professional way. Student Guild Administration is the contact point on campus for all enquiries relating to any of the Student Guild's programs, services and facilities. The Student Guild Office is located up the ramp on Level 3 of the Student Guild Building (Building U) and is open each weekday from 9 am to 5 pm.

The Student Guild has undertaken rapid expansion over the last few years and this expansion has allowed for the provision of better facilities and expanded services to students. The diverse student population on campus is reflected in the wide range of services and facilities provided with all activities of the Student Guild funded from your compulsory subscription fees and other sources of revenue.

Student Guild services and facilities

Services and facilities provided on and around the Cumberland campus by the Student Guild include:

- Bite Me canteen
- JDV Caf6 and Bar
- Student Guild Service Centre
- Free Internet cafe
- Student Guild Sports Centre, including gymnasium, free lockers and sport programs
- Food and drink vending machines around campus
- Retail shop
- Co-op Bookshop
- RENTLINK - a private accommodation search program for students
- WORKLINK - a service aimed at providing employment opportunities on and Off campus
- *Corpus Calloswn* - Cumberland campus student newspaper distributed fortnightly
- Student representation - students have a say on most decision-making bodies of the University through the student representatives. The Student Guild is an active advocate of the student rights to the University.
- Conference Subsidies
- ATM located in the JDV Cafe
- Public phones around campus
- Clubs and societies - the Student Guild has a number of affiliated sport and recreation clubs and societies.

The activities of the clubs and societies are subsidised from Student Guild funds. Clubs and Societies provide activities for students from all walks of life to participate in. For further details visit the Student Guild Web site www.csg.org.au or email contact@csg.org.au.

Support services

Cumberland Peer Support Network (CPSN)

The Cumberland Peer Support Network (CPSN) scheme aims to assist new students to settle in and adapt to university life as well as encourage them to participate actively in campus life. For further information on the Cumberland Peer Support Network, pleaseemailcpsn@csg.org.au.

Scholarships

The Cumberland Student Guild has a range of scholarships for new and continuing students undertaking undergraduate or postgraduate study at the Cumberland Campus. For a full list of scholarships available to undergraduate and postgraduate students, see the Student Guild Web site at www.csg.org.au or visit the University's scholarship site at www.usyd.edu.au/study/scholarships.shtml.

Contacting the Cumberland Student Guild

The Student Guild is always seeking input on ways to improve its services and facilities. The Student Guild can be contacted Monday to Friday between 9 am and 5 pm:

- In person at Student Guild Administration, Level 3, Student Guild Building (Building U),
- By phone on (02) 9351 9970
- By fax on (02) 9351 9971
- On the Web at www.csg.org.au
- By email: contact@csg.org.au.

Disability services

Students with disabilities or other special needs are assisted by the Disabilities Officer, Student Welfare Services. The Faculty has a wide range of resources to assist students, and a professional interest and commitment to provide high quality services. Consultations are confidential.

Students with disabilities are strongly advised to inform University staff of their needs as early as possible each academic year. A disability might be apparent or invisible, and might range from very slight to severe. It could be a physical, sensory, psychological, medical, or learning disability, or a combination of these. Students can experience difficulty meeting their educational commitments because of the educational disadvantage created by a disability. A variety of support services is available including notetakers, scribes, special examination arrangements, library facilities including the Special Study Room, and equipment for use and loan. Such assistance can minimise the disadvantage that might otherwise occur.

In the first instance, students are invited to contact Student Welfare Services on (02) 9351 9638 or (02) 9351 9081 for a consultation on what support services they need, for information on what assistance is available, and for guidance on University procedures. Students may also wish to have a confidential discussion with the student counsellor by phoning directly on (02) 9351 9473. Initial contact sheets can be downloaded from Student Welfare Services' Web site at www.fhs.usyd.edu.au/sws.

English language tuition

The tutors who work in the Language and Learning unit of Student Welfare Services provide supplementary and concurrent tuition in English for Academic Purposes and English for Clinical Placements for any student enrolled on Cumberland campus. This service is in the form of one-to-one tutorials and is particularly valuable for both international and local students whose first language is not English. Preparatory courses are offered to international students who have accepted a place in the Faculty in January/February prior to the start of the academic year. Academic skills day, a one-day program for students wishing to enhance their study skills, is held during orientation week. The Language and Learning unit tutors are also trained in cross-cultural communication. This enables them to assist native speakers of English (staff or students) in communicating clearly with those who speak English as a second language. These services are only for enrolled students. International applicants who require preparatory courses to raise their English language proficiency to the required level to enter the University should contact the Centre for English Teaching at Camperdown campus on (02) 9351 0706 or email info@cet.usyd.edu.au.

Equal employment opportunity and affirmative action

The University has a Staff and Student Equal Opportunity unit and an EEO and Affirmative Action Management Plan. EEO and Affirmative Action policies are designed to prevent discrimination, promote equity, and work in the interests of target groups who have suffered discrimination in the past. Such groups include Aboriginal and Torres Strait Islanders, women, people from non-English speaking backgrounds and people with mental or physical disabilities.

The campus has its own Cumberland Equity Advisory Committee (CACE) which provides a forum for discussion and promotion of these policies.

Equity issues

Harassment and discrimination issues

University of Sydney employees and students have a right to use the University's Harassment and Discrimination Resolution Procedure if they are harassed or discriminated against in connection with their work or study.

The role of the Manager, Harassment and Discrimination Resolution (HDR) is to resolve staff and student concerns, problems and complaints relating to discrimination and harassment quickly, fairly and confidentially, in accordance with the University's Resolution Procedure. The Manager, HDR is independent of any Faculty, and or any management hierarchy, and is professionally trained to deal with harassment and discrimination issues.

Staff and students wishing to talk confidentially to someone about a discrimination or harassment issue, or needing information about what they can do to have a discrimination or harassment issue resolved, should contact a Harassment and Discrimination Support Officer. Harassment and Discrimination Support Officers are ordinary employees who have been specially trained to help anyone who has, or thinks they may have, a harassment or discrimination problem, concern or complaint. Support Officers also assist staff and students about whom a complaint has been made. The Support Officers can give confidential advice about the best way to tackle a problem and can provide contact details of other people who can help. The Harassment and Discrimination Support Officers are located on all University campuses.

A list of the Harassment and Discrimination Support Officers and the University's Harassment and Discrimination Prevention Policies and Resolution Procedure are available from the Staff and Student Equal Opportunity unit on (02) 9351 2212 or at www.usyd.edu.au/su/eeo. The Manager, Harassment and Discrimination Resolution can be contacted on (02) 9351 8713.

Staff and Student Equal Opportunity unit

The Staff and Student Equal Opportunity unit aims to ensure that all current and potential employees are treated fairly and have equal opportunity in the work place.

The unit provides expert legal and policy advice on harassment and discrimination, including in relation to individual cases; equal employment opportunity and affirmative action policy development, promotion and training for staff and students; and monitors and reports to external bodies on the University's progress in the equal opportunity arena.

The Staff and Student Equal Opportunity unit can be contacted on (02) 9351 2212 or for more information please see our Web site at www.usyd.edu.au/su/eeo.

Financial assistance

The University's loan scheme provides supplementary assistance, not full support, to students who demonstrate financial hardship. These interest-free loans are for essential living and study expenses. All enquiries should be directed to Financial Services, phone (02) 93519365, where you can pick up an application form. You will need to discuss your loan application with the Student Fees and Loans Officer (A Block).

Graduates Association and alumni

The Graduates Association was established in 1980. The general aims of the Association are to:

- support and advance the character, status and interests of the College/Faculty
- provide meeting opportunities for graduates to maintain or re-establish friendships
- act as a centre for liaison with industry, commerce and community
- assist the College/Faculty to communicate with graduates
- assist in the future development of the College/Faculty and of tertiary education in the health sciences

All graduates of the Faculty of Health Sciences (formerly Cumberland College of Health Sciences), and graduates of the professional schools which together formed Cumberland College, are eligible for membership of this Association and can therefore retain a vital, active and professional link with the University. For further information please call (02) 9988 0079.

The Faculty's Alumni include all its graduates, ex-staff, ex-students and community friends. Alumni are kept in touch through the Faculty Web site.

All alumni are able to become life members of the Graduate Association on payment of a once-only fee of $50. Members can:

- borrow from the Faculty Library
- make their voice heard on issues affecting the Faculty
- become eligible for a Graduates Association Grant for postgraduate study in the Faculty of Health Sciences.

The Graduates Association offers annually a grant of $1500 to provide financial assistance to a new or continuing student in any course of postgraduate study in the Faculty of Health Sciences. The grant is made over one year for full-time students and over two years for part-time students. Applicants must be members of the Association.

Membership enquiries: (02) 9988 0079.

Graduate Association Grant enquiries: (02) 9351 9637.

Health Sciences Library

The University of Sydney's Cumberland Campus maintains its own library to provide resources and support to students, staff and researchers. The Library's collection, of approximately 80,000 books and videos and 900 journal titles, is particularly oriented towards the health sciences. The library aims to support undergraduate, graduate, and research programs, to provide service and assistance to users, as well as to provide certain general and recreational materials and a pleasant environment for study and research.

The Health Sciences Library is located centrally on campus, in R block, and is accessible to users with physical disabilities. Level 1 includes the Reference collection, current issues of journals, Reserve, the Information desk, the Circulation desk, audio-visual, photocopying, printing, database and Internet facilities, a study room for students with disabilities, Computer Training Room, study areas and the staff work area.

Level 2 contains the main collection of resources, study areas, additional photocopiers, and several group study rooms.

Access to the Library collection is via a user-friendly OPAC (online public access catalogue). Material may be located by author, title, subject or keyword approaches. OPACs are located on both levels of the Library. The catalogue lists all holdings within the University Library system including Fisher Library and eighteen other branch libraries. The catalogue offers many self-service options and can be accessed externally through the Internet.

Extensive computer facilities allow users to make their own literature searches on a wide variety of databases. Many of these offer full text or are interactive. Library staff conduct regular classes in use of the database network, the Internet, and other methods of information gathering.

Distance education students may be eligible for some special benefits which are outlined in a separate booklet.

Information Desk (02) 93519437

Enquiries about any aspect of the Library's services are most welcome.

Circulation Desk (02) 93519423

Renewals of loans may be made in person or by phone during library hours. Loans can also be renewed through the Internet. Overdue items may not be renewed.

Library hours

During semester

Monday-Thursday: 8 am - 9 pm
Friday: 8 am - 6 pm
Saturday: 9 am - 4 pm
Sunday: 1 pm - 5 pm

Inter-semester and long vacation

Monday-Friday: 9 am - 5 pm
Saturday and Sunday: Closed.

For more information about the Library's collections and services, including remote access instructions to the OPAC, see the Web page at www.Hbrary.usyd.edu.au/libraries/ healthsciences/.

A detailed list of the various databases available can be found atwww.library.usyd.edu.au/Databases/.

International student advisory service

Advisory services for international students and visiting scholars are provided by Student Welfare Services. They include the Study Preparation Program held every January-February for newly enrolled students, orientation to living and studying in Australia, arrival and accommodation assistance, family support, personal, intercultural and academic guidance, tutorial support, English language tuition, arrangements for social events and excursions, and returning home services. The International Student Adviser can be contacted on (02) 9351 9634 or fax (02) 9351 9635.

Language and Learning unit

The Language and Learning unit (LLU) is located in A014 and is part of Student Welfare Services. The tutors in the unit provide academic and communication skills tuition for all students, as well as English language tuition for those who require it. The staff have postgraduate qualifications in education, applied linguistics, foreign languages, cross-cultural communication, and in teaching English as a second language. One-to-one tutorials, regular workshops and seminars on academic, clinical, and professional communication skills are available during semester and in vacations. Schedules are announced from time to time on noticeboards around the campus, and in Corpus Callosum and on the Student Welfare Services Web page, www.fhs.usyd.edu.au/sws. Students and lecturers are invited to contact the unit and consult with the tutors on any matter related to the above areas and services. Phone (02) 9351 9319 or Student Welfare Services on (02) 9351 9638. The fax number is (02) 93519635.

Lockers

A limited number of lockers are available on campus on a first-come-first-served basis. All lockers must be cleared at the end of each semester. The University will not accept responsibility for any item lost from these lockers. Students are required to provide their own padlock.

There are also a small number of lockers set aside for the use of students with disabilities located in S and T Blocks. Students wishing to use these lockers should contact Student Welfare Services in the first instance.

The Cumberland Student Guild Sports Centre provides lockers free of charge for gymnasium users. For further information, please contact the Sports Centre on (02) 9351 9613 orsport@csg.org.au.

Lost property

Property found on campus should be taken to Property Services Division. Lost property is held for a period of three months. If unclaimed after two months, it may be claimed by the finder (not including a member of staff). If it is still unclaimed after a three month period, the University reserves the right to dispose of these items.

Official notice boards

Official notices (such as examination timetables) are displayed on the Official Notice Boards on the Cumberland campus. Students are expected to be acquainted with the contents of those announcements which concern them.

The Official Notice Boards are located in the following buildings:

- A Block, northern entrance
- R Block, outside main entrance

Parking

Parking on campus for undergraduate students is very limited and travel by train/bus is encouraged. However, car parking facilities at Gate 3 are available for students. Entry is by prepaid card only. The SEINS parking infringement system is in operation to control parking on University grounds and is enforceable 24 hours a day. A small number of spaces in the car park at Gate 2 are allocated by ballot each year to postgraduate students. For further information contact the Property Services Division on (02) 9351 9231. For those requiring access to parking spaces for people with disabilities contact Student Welfare Services Division (02) 9351 9638.

Peer tutoring service

A register of senior students who have volunteered their services as subject tutors is available in Student Welfare Services. Students wishing to become tutors, or to obtain tutoring in units they are having difficulties with, should contact the office to check the register or seek advice. Payment is generally negotiable between parties involved. For information phone (02) 9351 9638, or visit Student Welfare Services' Web site at www.fhs.usyd.edu.au/sws.

Sporting facilities (multi-purpose courts and oval)

Bookings for the multi-purpose tennis, netball and basketball courts must be made with the Cumberland Student Guild Sports Centre on (02) 9351 9613 or sport@csg.org.au. Bookings for the oval must be made with the Property Services Division.

Student accommodation

Auburn Hospital

Auburn Health leases 132 rooms through the NSW Department of Health at the Auburn Health Services Accommodation Block. This student accommodation is situated close to the campus and many major retail, leisure and sporting facilities. The rooms are available for all students inlcuding country, interstate and overseas students studying at the University. For more information, contact Auburn Accommodation Block on phone (02) 9563 9542, fax (02) 9563 9520 or email sharlene_donahue@wsahs.nsw.gov.au.

RENTLINK program

Information on private accommodation in the local area is also available through the RENTLINK program - an accommodation referral service with listings of full board, share flats and other accommodation options for students. For more information, contact the Cumberland Student Guild on phone (02) 93519970 or email contact@csg.org.au.

Yannadah

The student residence on the Cumberland campus, Lidcombe, provides accommodation for up to thirty-nine first year students

from outside the greater metropolitan area of Sydney. Application forms are included with course offers. Places are determined by ballot. For information contact the Residential Manager on (02) 9351 9405.

Student Welfare Services (SWS)

Student Welfare Services is concerned with the general welfare of all students on Cumberland Campus. Students may seek advice and assistance on any issue related to or impacting on their academic study, clinical placements, or life on campus. Student Welfare Services mirrors the services provided by Student Services on the Camperdown Campus, with the exception of accommodation and casual work which are managed at Cumberland by the Student Guild. Student Welfare Services provides a high level of academic and personal support services through the activities of advising, facilitating, teaching, counselling and mediating in order to assist students to succeed in their studies, and to benefit from and enjoy the University, campus and clinical placement experience. Lecturers are invited to contact Student Welfare Services for further information and to refer students for assistance. Specialised services within Student Welfare Services are the Language and Learning unit, English language tuition, International Student Advisory Service, Peer Tutoring Service, Disability Services, and the Counselling Service (see details under separate headings). Phone (02) 9351 9638, fax (02) 9351 9635, email r.mckenzie@fhs.usyd.edu.au or a.chan@fhs.usyd.edu.au. Office hours are 9 am to 5 pm during semester and vacations.

21 Resolutions of the Senate

■ Constitution of the Faculty of Health Sciences

1. The Faculty of Health Sciences shall comprise the following persons:
   (a) the professors, associate professors, heads of schools, readers, principal lecturers, senior lecturers, lecturers and associate lecturers who are full-time or fractional (40% or greater) continuing or fixed-term members of the teaching staff of the schools placed under the supervision of the Faculty of Health Sciences;
   (b)the Deans of the Faculties of Arts, Dentistry, Medicine, Nursing, Pharmacy and Science or their nominees and the Head of the Department of Social Work and Social Policy or nominee;
   (c) seven student members elected in a manner prescribed by resolution of the Senate, namely:
      (i) five students enrolled as candidates for an undergraduate degree or diploma offered by the Faculty;
      (ii) one student enrolled as a candidate for a postgraduate coursework degree, diploma or certificate offered by the Faculty; and
      (iii) one student enrolled as a candidate for a postgraduate research degree offered by the Faculty.
   (d) full-time and fractional (40% or greater) continuing or fixed-term members of the research staff of the schools and centres of the Faculty who are appointed as research fellow or above;
   (e) not more than three persons who are distinguished in a field of Health Science, appointed by the Faculty on the nomination of the Dean of the Faculty;
   (f) the Faculty Manager, the Health Sciences Librarian and the Head of Student Administration (Cumberland Campus);
   (g) four persons, being members of the general staff employed at Cumberland Campus having a close and appropriate association with the Faculty's work of teaching and research.
   In addition to the above, the following persons are ex officio members: the Chancellor, the Deputy Chancellor, the Vice-Chancellor, the Deputy Vice-Chancellors and the University Librarian (or nominee of the University Librarian); and the Cumberland Campus Manager is invited to be in attendance.
2. The Faculty shall encourage teaching, scholarship and research in the schools and centres that the Vice-Chancellor has determined shall be placed under the supervision of the Faculty of Health Sciences and shall have the same powers and functions as are specified for faculties by resolution of the Senate.

■ Degrees, diplomas and certificates in the Faculty of Health Sciences

1. The degrees in the Faculty of Health Sciences shall be:
   (a) Bachelor of Applied Science (BAppSc)
   (b)Bachelor of Health Science (BHlthSc)
   (c) Bachelor of Behavioural Health Science (BBHSc)
   (d) Bachelor of Health Sciences (BHlthSci)
   (e) Master of Applied Science (MAppSc)
   (f) Master of Communication Disorders (MCommDis)
   (g) Master of Health Information Management (MHIM)
   (h) Master of Health Science (MHlthSc)
   (i) Master of Occupational Therapy (MOT)
   (j) Master of Physiotherapy (MPhty)
   (k) Master of Rehabilitation Counselling (MRehabClng)
   (l) Doctor of Philosophy (PhD)
   (m)Doctor of Health Science (HScD).
2. The diplomas and certificates in the Faculty of Health Sciences shall be:
   (a) Diploma of Health Science (DipHlthSc)
   (b) Graduate Diploma of Health Science (Grad DipHlthSc)
   (c) Graduate Diploma in Rehabilitation Counselling (GradDipRehabClng)
   (d) Graduate Certificate of Health Science (GradCert HlthSc)
3. The Faculty, acting on the recommendation of the head of school concerned, may refuse permission to a candidate for any of the above degrees, diplomas or certificates, to undertake or continue the clinical education (fieldwork/ professional experience) component of the award, in circumstances where the candidate has not demonstrated satisfactory progress toward fulfilling the clinical requirements of the award.
4. The Faculty delegates authority to the Associate Dean (Undergraduate Studies)/Associate Dean (Graduate Studies) to act on behalf of Faculty in relation to section (3) above, and that the Dean be the first point of appeal for students in relation to actions taken in this matter.

Bachelor of Applied Science

1. The degree of Bachelor of Applied Science may be awarded in the grade of Pass degree in:
   (a) Exercise and Sport Science
   (b) Health Information Management
   (c) Leisure and Health
   (d) Medical Radiation Sciences
   (e) Occupational Therapy
   (f) Orthoptics
   (g) Physiotherapy
   (h) Speech Pathology.
2. (l)The degree of Bachelor of Applied Science may be awarded in the grade of Honours degree in the following areas:
      (a) Exercise and Sport Science
      (b) Health Information Management
      (c) Leisure and Health
      (d) Medical Radiation Sciences
      (e) Occupational Therapy
      (f) Orthoptics
      (g) Physiotherapy
      (h) Speech Pathology.
   (2) There shall be three classes of honours, namely Class I, Class II, and Class III.
   (3) Within Class II there shall be two divisions, namely Division 1 and Division 2.
   (4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
3. (1) A unit of study shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school concerned.
   (2) The words 'to complete a unit of study' and derivative expressions mean:
      (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
      (b)to obtain a passing grade for that unit of study in accordance with the assessment criteria prescribed by the Faculty or the school concerned.
   (3) A candidate permitted to re-enrol in a unit of study which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
4. Where in these resolutions a power is given to the Faculty or a head of school, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school may, in their discretion, in any particular case:
   (a) exercise the power,
   (b) exercise the power conditionally, or
   (c) decline to exercise the power.

5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
   (2) Except with the permission of the Faculty, on the recommendation of the head of the school concerned, a candidate shall not enter a unit of study unless entry requirements prescribed for that unit of study have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit of study or units of study regarded by the Faculty, on the recommendation of the head of school concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided that the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements for a program of three years standard length or three-quarters for a program of four years length.
7. A candidate for the Pass degree shall complete the units of study as set out in the tables in respect of the appropriate degree area in each relevant school's chapter.
8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the tables in respect of the appropriate degree area in each relevant school's chapter.

Bachelor of Health Science

1. The degree of Bachelor of Health Science may be awarded in the grade of Pass degree in:
   (a) Rehabilitation Counselling
   (b) Aboriginal Health and Community Development
   (c) Hearing and Speech
   (d) Nursing
   (e) Medical Radiation Technology[1]
   (f) Occupational Therapy 1
   (g)Physiotherapyl.
2. (l)The degree of Bachelor of Health Science may be awarded in the grade of Honours degree in:
   (a) Rehabilitation Counselling
   (b) Aboriginal Health and Community Development
   (c) Hearing and Speech
   (d) Occupational Therapy
   (2) There shall be three classes of honours, namely Class I, Class n, and Class III.
   (3) Within Class II there shall be two divisions, namely Division 1 and Division 2.
   (4) If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
3. (1) A unit of study shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school concerned.
   (2)The words 'to complete a unit of study' and derivative expressions mean:
   (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
   (b) to obtain a passing grade for that unit of study in accordance with the assessment criteria prescribed by the Faculty or the school concerned.
   (3) A candidate permitted to re-enrol in a unit of study which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
4. Where in these resolutions a power is given to the Faculty or a head of school, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school may, in their discretion, in any particular case:
   (a) exercise the power,
   (b) exercise the power conditionally, or
   (c) decline to exercise the power.
5. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
   (2) Except with the permission of the Faculty, on the recommendation of the head of the school concerned, a candidate shall not enter a unit of study unless entry requirements prescribed for that unit of study have been satisfied.
6. A candidate may be granted credit towards the degree on the basis of a unit of study or units of study regarded by the Faculty, on the recommendation of the head of school concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided that the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
7. A candidate for the Pass degree shall complete the units of study as set out in the table in respect of the appropriate degree area in each relevant school's chapter.
8. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units of study as set out in the tables in respect of the appropriate degree area in each relevant school's chapter.

Bachelor of Behavioural Health Science

1. The degree of Bachelor of Behavioural Health Science is awarded in two grades: Pass and Honours.
2. In the Honours grade, there are:
   (l)three classes of Honours, namely Class I, Class n, and Class III; and
   (2) within Class II there shall be two divisions, namely Division 1 and Division 2.
3. If a candidate qualifies for the award of Honours Class I and the Faculty is of the opinion that the candidate's work is of outstanding merit, that candidate shall receive a bronze medal.
4. (1) A unit shall consist of lectures together with such laboratory and tutorial instruction practical work, exercises, essays, and reports as may be prescribed by the faculty or the school concerned.
   (2)The words 'to complete a unit' and derivative expressions mean:
   (a) to attend the lectures and the meetings, if any, for clinical, laboratory, or tutorial instruction; and
   (b)to obtain a passing grade for that unit in accordance with the assessment criteria prescribed by the Faculty or the School concerned.
   (3) A candidate permitted to re-enrol in a unit which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
5. Where in these resolutions a power is given to the Faculty or a head of school, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school may, in their discretion, in any particular case:
   (a) exercise the power,
   (b) exercise the power conditionally, or
   (c) decline to exercise the power.
6. (1) A candidate readmitted to candidature for the degree after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.
   (2) Except with the permission of the Faculty, on the recommendation of the head of the school concerned, a candidate shall not enter a unit unless entry requirements prescribed for that unit have been satisfied.
7. A candidate may be granted credit towards the degree on the basis of a unit or units regarded by the Faculty, on the recommendation of the head of school concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided that the maximum credit granted shall not exceed the equivalent of two-thirds of the degree requirements.
8. A candidate for the Pass degree shall complete the units as set out in the table in respect of the appropriate degree area in chapter 6, School of Behavioural and Community Health Sciences.
9. A candidate for the Honours degree shall meet the requirements prescribed by the Faculty for admission to the honours program and shall complete the units as set out in the table in respect of the appropriate degree area in chapter 6, School of Behavioural and Community Health Sciences.

1. Sydney-based conversion courses.

Bachelor of Health Sciences

The following Resolutions of the Senate relating to the degree of Bachelor of Health Sciences are adopted from 1 January 2002.

Bachelor of Health Sciences

1. These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000, which sets out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

Requirements for the degree

2. To qualify for the award of the degree students must:
(1) complete successfully units of study giving credit for a total of 144 credit points for the pass degree and 192 credit points for the honours degree; and
(2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

Requirements for the Honours degree

3. To qualify for the award of the honours degree students must complete the honours requirements published in the faculty resolutions relating to the course.

Division 1 - Admission, course requirements, credit points and assessment

1. Admission

(1) An applicant for admission to candidature for the degree of Bachelor of Health Sciences shall have:
(a) successfully completed the requirements of the NSW Higher School Certificate (or interstate equivalent) and the requirements for calculation of a Universities Admission Index (UAI), or
(b) fulfilled the requirements of eligibility for tertiary entry under mature age entry criteria or specific admission criteria as set out in the University of Sydney Calendar, Part 9 Admission to Courses.

2. Units of study

(1) A candidate for the Bachelor of Health Science shall complete the units of study prescribed by the Faculty satisfying all requirements with regard to mandatory units of study.
(2) Units of study may specify assumed knowledge, prerequisite or co-requisite units of study.
(3) The units of study prescribed for the Bachelor of Health Sciences are set out in the table in respect of the appropriate degree areas in chapter 15, Bachelor of Health Sciences.

■ Master's degrees

The following information should be read in conjunction with the Senate Resolutions in the University of Sydney Calendar and the relevant entry in the chapter of the presenting school/centre.

Subject areas

1. (1)The degree of Master of Applied Science maybe taken as:
(a) a generic degree offered by the Faculty of Health Sciences in appropriate cognate fields of:
(b) within the schools in the following subject areas:
(i) Behavioural Science
(ii) Biomedical Sciences
(iii) Communication Sciences & Disorders
(iv) Education
(v) Exercise and Sport Science
(vi) Gerontology
(vii) Health Information Management
(viii) Indigenous Community Health
(ix) Medical Radiation Sciences
(x) Occupational Therapy
(xi) Orthoptics
(xii) Physiotherapy
(xiii) Rehabilitation
(xiv) Rehabilitation Counselling
(xv) Stuttering
(xvi) Voice

(2) The degree ofMasterofHealth Science may be awarded in the grade of Pass degree or Honours degree in the following subject areas:
(i) Behavioural Science
(ii) Cardiopulmonary Physiotherapy
(iii) Child and Adolescent Health
(iv) Clinical Data Management
(v) Developmental Disability
(vi) Education
(vii) Exercise and Sport Science
(viii) Gerontology
(ix) Health Informatics
(x) Indigenous Community Health
(xi) Management
(xii) Manipulative Physiotherapy
(xiii) Medical Radiations Sciences
(xiv) Medical Sonography
(xv) Neurological Physioptherapy
(xvi) Occupational Therapy
(xvii) Paediatric Physiotherapy
(xviii) Physiotherapy
(xix) Speech-Language Pathology
(xx) Sports Physiotherapy

(3) The combined Masters degree in the Faculty of Health Sciences is:
(i) Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

(4) The degree of Master may be awarded in the following subject areas:
(i) Health Information Management
(ii) Occupational Therapy
(iii) Physiotherapy
(iv) Rehabilitation Counselling

(5) The degree of Master may be awarded in the following subject areas:
(i) Communication Disorders.

Eligibility for admission

2. (1)The Faculty may, on the recommendation of the head of the department or centre concerned, admit to candidature for a degree of master within the Faculty an applicant:
(a) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies; and
(b) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

(2) Notwithstanding subsection (1), the Academic Board may admit a person to candidature in accordance with the provisions of chapter 10 of the By-laws.

Availability

3. Admission to candidature for any master's degree or any program within a master's degree may be limited by quota.
4. In determining any quota the University will take into account:
(a) availability of resources including space, library, equipment and computing facilities; and
(b)availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.
5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.
6. Before recommending the admission of any applicant the head of the school or centre concerned shall ensure that the extent of the resources and supervision available is known to and understood by the applicant and is appropriate to the applicant's proposed area of study and research.

Preliminary studies

7. (1) An applicant may be required to undertake preliminary or qualifying studies, and complete such preliminary examinations as the Faculty may prescribe, before admission to candidature.
(2) Such an applicant shall complete the preliminary studies in not less than one semester and in not greater time than the Faculty may prescribe but in any case in not longer man two years.

Probationary admission

8. A candidate may be accepted by the Faculty on a probationary basis for a period not exceeding twelve months and upon completion of this period the Faculty shall review the candidate's work and shall either confirm the candidate's status with effect from the date of the original acceptance or terminate the candidature.

Method of progression

9. A candidate shall proceed:
(a) primarily by research and thesis; or
(b)by coursework and thesis; or
(c) primarily by coursework.

Time limits

10.A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

ll.(l)Except with the permission of the Faculty as provided in section 11(3) below:
(a) a full-time candidate proceeding primarily by research and thesis shall complete the requirements not earlier than the end of the third semester and not later than the end of the fourth semester of candidature;
(b) a full-time candidate proceeding primarily by coursework shall complete the requirements not earlier than the end of the second semester and not later than the end of the sixth semester of candidature except in the case of candidates proceeding to the award of the degree of Master of Physiotherapy and Master of Occupational Therapy where the minimum period of candidature is four semesters and the maximum period of candidature is eight semesters;
(c) a part-time candidate proceeding primarily by research and thesis shall complete the requirements not earlier than the end of the sixth semester and not later than the end of the eighth semester of candidature;
(d) a part-time candidate proceeding by coursework shall complete the requirements not earlier than the end of the fourth semester, and not later than the end of the tenth semester of candidature.
(2) The Faculty may in special circumstances extend a candidate's maximum period of candidature and may prescribe special conditions to be fulfilled by the candidate.
(3) The Faculty, at the time of admission to candidature, may permit a candidate proceeding primarily by research and thesis who holds a bachelor's degree with first or second class honours from the University of Sydney or an equivalent qualification, to complete the requirements not earlier than the end of the first year of candidature if a full-time candidate and not earlier than the end of the second year of candidature if a part-time candidate.

Credit

12.(1)The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
(a) deem such time to have been time spent after admission to candidature; and
(b) grant credit towards the degree on the basis of a course or courses regarded as equivalent in workload and academic standard; provided that the time recognised or the credit granted represents no more than half of the total candidature and that any attendance requirements as may be prescribed by resolution of the Faculty are met.
(2) The Faculty may, under specific conditions prescribed by resolution of the Faculty, grant credit additional to that specified in subsection (l)(b) to holders of graduate diplomas awarded by the Faculty.

Supervision

13.(1)The Faculty shall appoint, on the recommendation of the head of the school or centre concerned, a full-time member of the academic staff of the Faculty to act as supervisor of each candidate proceeding primarily by research and thesis or by coursework and thesis and may appoint, for each such candidate, an advisory committee.
(2) The Faculty shall appoint, on the recommendation of the head of the school or centre concerned, a full-time member of the academic staff of the Faculty to act as supervisor or adviser, as thought most appropriate for each candidate proceeding primarily by coursework.
(3) The Faculty may appoint, on the recommendation of the head of the school or centre concerned, from amongst appropriately qualified persons, an associate supervisor to assist in the supervision of any candidature.

Enrolment

14.(1) **A** candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the degree are completed or the candidature terminated.
(2) A candidate readmitted to candidature after an absence of more than one year shall complete the degree under such conditions as the Faculty shall determine.

Requirements for the degree

15.A candidate for the degree proceeding primarily by coursework shall complete the courses for the degree as prescribed by the Faculty and set out in tables of units of study.

16.(1) A candidate for the degree proceeding primarily by research and thesis or by coursework and thesis shall:
(a) complete the units of study for the degree as prescribed by the Faculty and set out in tables of units of study;
(b) carry out supervised research on a topic which has been approved by the Faculty on the recommendation of the head of the school or centre concerned no later than the end of the second semester of the full-time candidature or the third semester of part-time candidature;
(c) write a thesis embodying the results of the research; and in completion of the requirements for the degree lodge with the Registrar three copies of the thesis, typewritten and bound in either a temporary or permanent form.
(2) Theses submitted in a temporary binding should be strong enough to withstand ordinary handling and postage and the preferred form of temporary binding is the 'perfect binding' system; ring-back or spiral binding is not acceptable. Theses submitted in a temporary form shall have fixed to the cover a label clearly identifying the name of the candidate, the title of the thesis, and the year of submission.
(3)Theses submitted in a bound form shall normally be on international standard A4 size paper sewn and bound in boards covered with bookcloth or buckram or other binding fabric. The title of the thesis, the candidate's initials and surname, the title of the degree, the year of submission and the name of the University of Sydney should appear in lettering on the front cover or on the title page. The lettering on the spine, reading from top to bottom, should conform as far as possible to the above except that the name of the University of Sydney may be omitted and the thesis title abbreviated. Supporting material should be bound in the back of the thesis as an appendix or in a separate set of covers.
(4) The degree shall not be awarded until the candidate has caused at least two copies of the thesis (containing any corrections or amendments that may be required) to be bound in a permanent form.
(5) The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.
(6)The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
(7) A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but 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.

17.On completion of the requirements for the degree by a candidate proceeding primarily by research and thesis or by coursework and thesis, the Faculty, on the recommendation of the head of the school or centre concerned, shall appoint two examiners, of whom one shall not be a member of the academic staff of the Faculty, to examine and report on the thesis.

18.A11 examiners shall be furnished with a copy of the course description and course requirements as published in the Faculty Postgraduate Study booklet, and be required to award marks/grades of Fail, Pass, Credit, Distinction and High Distinction according to the criteria demanded by the Faculty, which is available from Student Administration (Cumberland).

19.The reports of the examiners shall be made available to the head of the school or centre concerned who shall consult with the supervisor.

20.The head of the school or centre concerned shall report the result of the examination of the candidature together with a recommendation concerning the award of the degree (mark/grade) to the Faculty which shall determine the final result and its grade.

21.In special cases the Faculty may, on the recommendation of the head of the school or centre concerned, require the candidate to take a further examination in the area of the

thesis which may be an oral examination to be held at the Faculty or at such other location as may be determined by the Faculty.

22. The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis for re-examination if, in the opinion of the head of the school or centre concerned, the candidate's work is of sufficient merit and may prescribe special conditions to be fulfilled by the candidate.

23. On the completion of the requirements for the degree by a candidate proceeding primarily by coursework the head of school concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

Progress

24. (1) A report on the progress towards completion of the requirements for the degree shall be prepared by the appointed supervisor at least annually in respect of each candidate proceeding primarily by research and thesis or by coursework and thesis.

(2) The report shall be shown to the candidate and the candidate shall sign the report as having sighted the contents.

(3) The report, after signature by the candidate, shall be forwarded to the Faculty through the head of the school or centre concerned.

25. The Faculty may, on the recommendation of the head of the school or centre concerned, call upon any 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, the candidate does not show good cause, terminate the candidature.

■ Doctor of Philosophy (PhD)

The Resolutions of the Senate and Academic Board relating to the degree of Doctor of Philosophy are set out in The University of Sydney Calendar and the University Postgraduate Research Studies Handbook.

■ Doctor of Health Science

1. Admission to candidature

(1) General Admission Requirements An applicant for admission to candidature shall:

(a) apply in writing to the Dean, and

(b) submit with the application an outline of the proposed course of advanced study and research, including the general area of the proposed thesis, and

(c) subject to the approval of the supervisor, head of academic unit, and the Dean, a candidate shall pursue the program of advanced study and research either:

(i) within the University including research stations and teaching hospitals;

(ii) on fieldwork either in the field or in libraries, museums or other repositories;

(iii) within industrial laboratories or research institutions or other institutions considered by the Faculty to provide adequate facilities for that candidature; or

(iv) within a professional working environment. (A candidate shall be regarded as engaging in work within the University if he or she is undertaking approved distance and/or off-campus study, this being a mode of study in which the student would not be in regular physical attendance on a designated campus of the University.) An applicant for admission to part-time candidature, in addition to the above, shall also submit with the application a written undertaking that the applicant will:

(a) have sufficient time available to complete the requirements for the degree in accordance with these Senate Resolutions, and within the maximum time period prescribed in section 6, and

(b) be able to attend the University at such time and on such occasions for the purposes of consultation and participation in prescribed academic and educational activities, as may be required on the recommendation of the Dean, Pro-Dean, Associate Dean (Graduate Studies) or head of academic unit in which the research is being supervised. An applicant may be admitted to candidature in the off-campus mode as either a full-time or part-time candidate and will comply with the above regulations. A candidate pursuing candidature outside Australia must also complete a cumulative minimum period of two semesters of candidature within the University.

(2) Admission to Candidature by the Faculty The Dean may admit an applicant to candidature for the degree if:

(a) the candidate's application complies with the general requirements in section 1.(1) above, and

(b) the applicant holds or has fulfilled the requirements for:

(i) the degree of Bachelor with First or Second Class Honours from the University of Sydney, or

(ii) an undergraduate degree deemed to be equivalent to that in 1.(2)(b)(i), or

(iii) the degree of Master by research from the University of Sydney, or

(iv) the degree of Master by coursework from the University of Sydney with a credit average, or

(v) a postgraduate degree deemed to be equivalent to either that in 1.(2) (b) (iii) or (iv) and

(c) the applicant has a minimum of three years' recent, full-time experience in the health field.

(3) Admission to Candidature by the Academic Board On the recommendation of the Faculty of Health Sciences the Academic Board may admit to candidature for the degree an applicant whose application complies with section 1.(1) above and who:

(a) possesses such qualifications as a deemed equivalent to those described in section 1.(2), and

(b) is recommended by the Faculty of Health Sciences as being suitably prepared to pursue graduate studies at this level.

2. Studies during the candidature

(1) Except with the permission of Faculty, candidates will pursue an approved course of advanced study and research comprising a total of 144 credit points as follows:

(a) postgraduate units of study at a grade level as prescribed by Faculty of which no more than 48 credit points can be credited towards the award, and

(b) a thesis and doctoral seminar program together worth 96 credit points. In the doctoral seminar program students will be expected to present three (3) research colloquia to their peers in the form of a thesis proposal and two 'work in progress' seminars, one of which might be analogous to an oral defence of the nearly-completed thesis. Candidates must complete a thesis of 60,000 words (or equivalent) in length investigating a specific aspect or specific aspects of either their own and/or others' professional practice within the course of advanced study and research approved by Faculty.

(2) An applicant applying for credit transfer will have satisfied the admission criteria listed above and who has demonstrated a high level of competency in the completed graduate coursework for which credit transfer is requested. Approval for credit transfer will be granted by the Graduate Studies Standing Committee of the Faculty of Health Sciences on the recommendation of the relevant Head of Academic Unit. Normally, credit transfer will only be granted for previously completed units of study which can be demonstrated as contributing to the candidate's total program of study in the Doctor of Health Science degree. In exceptional circumstance up to a maximum of 48 credit points (the coursework component of the degree) may be granted as credit transfer.

3. Progress

(1) At the end of each year each candidate shall provide evidence of progress to the satisfaction of the supervisor and Head of Academic Unit concerned and any Unit or Faculty Postgraduate Review Committee.

(2) On the basis of evidence provided, the Head of Academic Unit 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 Academic Unit considers appropriate.

(3) If a candidate fails to submit evidence of progress or if the Head of Academic Unit concerned considers that the evidence submitted does not indicate satisfactory progress, the Faculty may, on the Head's recommendation, call upon the 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, the

candidate does not show good cause the Faculty may terminate that candidature or may impose conditions on the continuation of that candidature.

4. The thesis

(1)The candidate shall present a thesis of 60 000 words (or equivalent) in length, which shall be a substantial and original contribution to the subject concerned. The thesis shall carry a credit point value of 96 credit points. The candidate shall state the sources from which the information is derived, the extent to which the work of others has been made use of, and the portion of the work that the candidate claims as original.

(2) The topic of the thesis shall be approved by Faculty.

(3) The dean on the recommendation of the Head of Academic Unit shall appoint a supervisor who shall be a member of the academic staff of the Faculty. In appropriate cases the Dean may appoint an associate supervisor

(4) A candidate may not present as the thesis any work which has been presented for a degree at this or any other university, but the candidate will not be precluded from incorporating such work in the thesis, provided that, in presenting the thesis, the candidate indicates the part of the work which has been incorporated.

(5) A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by the Faculty.

(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.

(7) When the degree has been awarded, a copy of the thesis incorporating any required emendations and revisions shall be lodged in the University Library.

5. Degree result

Upon completion of the coursework at the level prescribed by Faculty and after consideration of the reports of the examiners on the thesis the Dean shall submit the reports, together with a recommendation concerning the award of the degree, to the Academic Board which shall determine the result of the candidature.

6. Time limits

(1) Subject to sub-section 1 .(1) a candidate may proceed either on a full-time or part-time basis.

(2) Except in special circumstances and with the approval of the Dean all candidates shall complete a minimum of six (6) semesters of candidature taken over a period of time and in such manner as approved by the Dean.

(3) Except in special circumstances and with the approval of the Dean a candidate shall complete the requirements for the degree not earlier than the end of the sixth and for a full-time candidate not later than the end of the eighth semester and for a part-time candidate not later than the sixteenth semester excluding any period of approved suspended candidature.

(4) A candidate shall prepare annually, before re-enrolment, a statement of the work done by the candidate towards completion of the requirements for the degree and submit it to the approved supervisor.

(5) The supervisor shall also prepare an annual report on the work done by the candidate which shall be shown to the candidate for comment, and the candidate shall sign the report as having sighted the contents.

(6)Bodi reports shall then be forwarded to the Associate Dean, (Postgraduate Studies) within the Faculty.

■ Diploma of Health Science

1. (l)The Diploma of Health Science may be awarded in the area of:
   (a) Aboriginal Health and Community Development.
2. (1) A unit of study shall consist of lectures together with such clinical, laboratory and tutorial instruction, practical work, exercises and essays as may be prescribed by the Faculty or the school concerned.
   (2) The words 'to complete a unit of study' and derivative expressions mean:
   (a) to attend the lectures and the meetings, if any, for clinical, laboratory or tutorial instruction; and
   (b)to obtain a passing grade for that unit of study in accordance with the assessment criteria prescribed by the Faculty or the school concerned.
   (3) A candidate permitted to re-enrol in a unit of study which has previously not been satisfactorily completed shall, unless exempted by the Faculty, again complete all the work of the unit.
3. Where in these resolutions a power is given to the Faculty or a head of school, subject to any express indication to the contrary or resolution passed by the Faculty, the Faculty or a head of school may, in their discretion, in any particular case:
   (a) exercise the power;
   (b) exercise the power conditionally; or
   (c) decline to exercise the power.
4. (1) A candidate readmitted to candidature for the diploma after an absence of more than one year shall complete the diploma under such conditions as the Faculty shall determine.
   (2) Except with the permission of the Faculty, on the recommendation of the head of school concerned, a candidate shall not enter a unit of study unless entry requirements prescribed for that unit of study have been satisfied.
5. A candidate may be granted credit towards the diploma on the basis of a unit of study or units of study regarded by the Faculty, on the recommendation of the head of school concerned, as equivalent in workload and academic standard, completed at another university or other tertiary institution, provided that the maximum credit granted shall not exceed the equivalent of two-thirds of the diploma requirements.
6. A candidate for the diploma shall complete the units of study as set out in the tables in respect of the appropriate diploma area in chapter 14, Yooroang Garang: School of Indigenous Health Studies.

■ Graduate diplomas and graduate certificates

Subject areas

1. (1) The Graduate Diploma of Health Science may be taken in the following subject areas:
   (i) Behavioural Science[2]
   (ii) Child and Adolescent Health[2]
   (iii) Education
   (iv) Exercise and Sport Science
   (iv) Gerontology[2]
   (vi) Health Information Management[2]
   (vii) Indigenous Community Health
   (viii) Manipulative Physiotherapy[2]
   (ix) Medical Radiation Sciences
   (x) Medical Sonography
   (xi) Physiotherapy[2]
   (xii) Sports Physiotherapy[2]
   (xiiiv) Vision Impairment
   (2) A Graduate Diploma may be taken in the following subject areas:
   (i) Rehabilitation Counselling
   (3) The Graduate Certificate of Health Science may be taken in the following areas:
   (i) Behavioural Science
   (ii) Casemix
   (iii) Child and Adolescent Health
   (iv) Clinical Data Management
   (v) Developmental Disability
   (vi) Education
   (vii) Exercise and Sport Science
   (viii) Indigenous Community Health
   (ix) Medical Radiation Sciences
   (x) Medical Sonography
   (xi) Occupational Therapy
   (xi) Vision Impairment

Eligibility for admission

2. (l)The Faculty may, on the recommendation of the head of the school concerned, admit to candidature for a graduate diploma or a graduate certificate within the Faculty an applicant:
   (a) who is a graduate of the University of Sydney and has completed courses appropriate to the area of study in which the applicant seeks to proceed, provided that the applicant's work is of sufficient merit, or who has submitted evidence of general and professional

2. No commencing students.

qualifications to satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies; and
(b) who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

(2) Notwithstanding subsection (1), the Academic Board may, in accordance with this Section, 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 subsection (l)(a) and (b) and such candidate shall proceed to the degree under such conditions as the Academic Board may prescribe.

Availability

3. Admission to candidature for any graduate diploma or graduate certificate or for any program within a graduate diploma or graduate certificate may be limited by quota.
4. In determining any quota the University will take into account:
(a) availability of resources including space, library, equipment and computing facilities; and
(b) availability of adequate and appropriate supervision, including both the supervision of research candidatures and the coordination of coursework programs.
5. In considering an application for admission to candidature the Faculty shall take account of any quota and will select in preference applicants who are most meritorious in terms of section 2 above.
6. Before recommending the admission of any applicant the head of the school concerned shall ensure that the extent of the resources and supervision available is known to and understood by the applicant and is appropriate to the applicant's proposed area of study and research.

Time limits

1. A candidate may be admitted to proceed on either a full-time basis or a part-time basis.

Credit

8. The Faculty may, in respect of a candidate who before admission to candidature has spent time in advanced study or research in the University of Sydney or in another university or institution:
(a) deem such time to have been time spent after admission to candidature; and
(b) grant credit towards the graduate diploma or graduate certificate on the basis of a course or courses regarded as equivalent in workload and academic standard; provided that the time recognised or the credit granted represents no more than half of the total candidature and that any attendance requirements as may be prescribed by resolution of the Faculty are met.

Enrolment

9. (1) A candidate shall, unless otherwise permitted by the Faculty, enrol each year until the requirements for the graduate diploma or graduate certificate are completed or the candidature terminated.
(2) A candidate readmitted to candidature after an absence of more than one year shall complete the graduate diploma or graduate certificate under such conditions as the Faculty shall determine.

Requirements for the graduate diploma and graduate certificate

10. A candidate for the graduate diploma or graduate certificate shall complete the courses as prescribed by the Faculty and set out in tables of courses.
11. On the completion of the requirements for the graduate diploma or graduate certificate the head of school concerned shall report the results of the examination of the coursework to the Faculty which shall determine the result of the candidature.

Progress

12. The Faculty may, on the recommendation of the head of the school concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the graduate diploma or graduate certificate and where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

■ University of Sydney (Coursework) Rule 2000

Preliminary

1. Commencement and purpose of Rule

(l) 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.
(2) This Rule comes into force on 1 January 2001.
(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:

award course means a formally approved program of study which can lead to an academic award granted by the University.

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;

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.

Specific credit means the recognition of previously completed studies as directly equivalent to units of study.

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;

credit points mean 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;

dean means the dean of a faculty or the director or principal of an academic college or the chairperson of a board of studies;

degree means a degree at the level of bachelor or master for the purpose of this Rule;

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;

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;

major means a defined program of study, generally comprising specified units of study from later stages of the award course;

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;

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.

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% of the overall award course requirements;

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.

student means a person enrolled as a candidate for a course;

testamur means a certificate of award provided to a graduate, usually at a graduation ceremony;
transcript or *academic transcript* means a printed statement sethng out a student's academic record at the University;
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;
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

(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) 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

(1)To qualify for the award of a degree, diploma or certificate, a student must:
(a) complete the award course requirements specified by the Senate for the award of the degree, diploma or certificate concerned;
(b) 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;
(c) 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
(d) satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

4. Units of study and credit points

(1) (a) 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.
(b) 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.
(2) A student completes a unit of study if the student:
(a) participates in the learning experiences provided for the unit of study;
(b) meets all examination, assessment and attendance requirements for the unit of study; and
(c) passes the required assessments for the unit of study.
(3) Each unit of study is assigned a specified number of credit points by the faculty responsible for the unit of study.
(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.
(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.
(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

(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.
(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.
(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.
(4) Examination and assessment in the University are conducted in accordance with the policies and directions of the Academic Board.

6. Attendance

(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.
(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

(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.
(2)Except as provided in sub-section (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.
(3) A student may not enrol in units of study additional to award course requirements without first obtaining permission from the relevant dean.
(4) Except as prescribed in faculty resolutions or with the permission of the relevant dean:
(a) 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
(b) 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

(1) Students may be granted credit on the basis of previous studies.
(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:
(a) for undergraduate award courses, complete a minimum of the equivalent of two full-time semesters of the award course at the University; and
(b)for postgraduate award courses, complete at least fifty percent 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.
(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.
(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.
(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

(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.

(2) The relevant dean has authority to determine any conditions applying to cross-institutional study.

Division 4 - Progression

10. Repeating a unit of study

(1) A student who repeats a unit of study shall, unless granted exemption by the relevant dean:
(a) participate in the learning experiences provided for the unit of study; and
(b) meet all examination, assessment and attendance requirements for the unit of study.

(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

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

(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:
(a) that the discontinuation occurred at an earlier date; and
(b) that there was good reason why the application could not be made at the earlier time.

(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:
(a) the relevant dean has granted prior permission to re-enrol; or
(b) the student is reselected for admission to candidature for that course.

(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:
(a) the discontinuation occurred at an earlier date; and
(b) there was good reason why the application could not be made at the earlier time.

(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

(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.

(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.

(3) A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the relevant faculty.

(4) A student who enrols 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

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

(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.

(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.

(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:

(1) exclude the student from the relevant course; or

(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:
(a) completion of a unit or units of study within a specified time;
(b) 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
(c) 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

(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 readmission to the award course or re-enrolment in the unit or units of study concerned after at least 4 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.

(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

(1) In this Rule a reference to the Appeals Committee is a reference to the Senate Student Appeals Committee (Exclusions and Readmissions).

(2) (a) (i) A student who has been excluded in accordance with this Rule may appeal to the Appeals Committee.
(ii) A student who has applied for readmission to an award course or re-enrolment in a unit of study after a period of exclusion, and who is refused readmission or re-enrolment may also apply to the Appeals Committee.

(b) The Appeals Committee shall comprise:
(i) 3 *ex officio* members (the Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal);
(ii) the Chair and Deputy Chairs of the Academic Board;
(iii) 2 student Fellows; and
(iv) up to 4 other Fellows.

(c) The Appeals Committee may meet as one or more sub-committees providing that each sub-committee shall include at least 1 member of each of the categories of:
(i) *ex officio* member;
(ii) Chair or Deputy Chair of the Academic Board;
(iii) student Fellow; and
(iv) other Fellows.

(d) Three members shall constitute a quorum for a meeting of the Appeals Committee or a sub-committee.

(e) The Appeals Committee and its sub-committees have authority to hear and determine all such appeals and must report its decision to the Senate annually.

(f) The Appeals Committee or a sub-committee 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.

(g) No appeal shall be determined without granting the student the opportunity to appear in person before the Appeals Committee or sub-committee considering the appeal. A student so appearing may be accompanied by a friend or adviser.

(h)The Appeals Committee or sub-committee 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 sub-committee hears the student.

(i) If, due notice having been given, a student fails to attend a meeting of the Appeals Committee or sub-committee scheduled to consider that student's appeal, the Appeals Committee or sub-committee, at its discretion, may defer consideration of the appeal or may proceed to determine the appeal.

(j) 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

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

lO.Classes of award

(l)Undergraduate diplomas may be awarded in five grades - pass, pass with merit, pass with distinction, pass with high distinction or honours.

(2) Degrees of bachelor may be awarded in two grades - pass or honours.

(3) Graduate diplomas and graduate certificates may be awarded in one grade only - pass.

(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

(l)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.

(2) Each faculty shall publish the grading systems and criteria for the award of honours in that faculty.

(3) Classes which may be used for the award of honours are:
First Class
Second Class/Division 1
Second Class/Division 2
Third Class.

(4) With respect to award courses which include an additional honours year:

(a) a student may not graduate with the pass degree while enrolled in the honours year;

(b) 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;

(c) faculties may prescribe the conditions under which a student may enrol part-time in the honours year;

(d)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

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

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

(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.

(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

This Rule applies to all candidates for degrees, diplomas and certificates who commence candidature after 1 January 2001. 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.

22 General University information

See also the Glossary for administrative information relating to particular terms.

Accommodation Service

The Accommodation Service assists students to find off-campus accommodation by maintaining an extensive database of suitable accommodation in various areas but primarily close to Umversity or within easy access via public transport.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3312
Fax: (02) 9351 8262
Email: accotnm@stuserv.usyd.edu.au
Web: www.usyd.edu.au/accom

Admissions Office

The Admissions Office (see address below) is responsible for overseeing the distribution of offers of undergraduate admission and can advise prospective local undergraduate students regarding 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 (02) 9351 4118 for more information. For enquiries regarding Special Admissions (including Mature-Age Entry), phone (02) 9351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office.
Student Centre

Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4117 or (02) 9351 4118
Fax: (02) 9351 4869
Email: admissions@records.usyd.edu.au

Applying for a course

Local applicants for undergraduate courses and programs of study

Citizens and permanent residents of Australia and citizens of New Zealand are considered local applicants for the purpose of admission and enrolment. If you are in this group and you wish to apply for admission into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment. Go to www.uac.edu.au 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.

Local applicants for postgraduate courses and programs of study

Citizens and permanent residents of Australia and citizens of New Zealand are considered local applicants for the purpose of admission and enrolment. Application is direct to the faculty (not to the department, Student Centre or the Admissions Office) which offers the course in which you are interested. Application forms for postgraduate coursework, postgraduate research and the Master's qualifying or preliminary program, or for non-award postgraduate study can be found at www.usyd.edu.au/su/studentcentre/applications/applications.html.

Please note that not all faculties use these application forms for admission into their courses. Some faculties prefer to use their own specially tailored application forms rather than the standard ones. Please contact the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

All applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand are considered to be international applicants. In the vast majority of cases applicants apply for admission through the University's International Office. All of the information international applicants need, as well as downloadable application forms, is available from the International Office's section of the University's Web site, www.usyd.edu.au/io.

Assessment

For matters regarding assessment, refer to the relevant department or school.

Careers information

Provides careers information and advice, and help in finding course-related employment both while you're studying and when you commence your career.
Careers Centre
Ground Floor, Mackie Building, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3481
Fax: (02) 9351 5134
Email: info@careers.usyd.edu.au
Web: www.careers.usyd.edu.au

Casual Employment Service

The Casual Employment Service helps students find casual and part-time work during their studies and in University vacations.
Level 7, Education Building, A35
The Umversity of Sydney
NSW 2006 Australia
Phone: (02) 9351 8714
Fax: (02) 9351 8717
Email: ces@stuserv.usyd.edu.au
Web: www.usyd.edu.au/cas_emp

Centre for Continuing Education

Bridging courses, study skills courses, essay writing courses, accounting extension courses, university preparation courses, access to university courses, non-award short courses.
Mackie Building, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2907
Fax: (02) 9351 5022
Email: info@cce.usyd.edu.au
Web: www.usyd.edu.au/cce

Centre for English Teaching

The Centre for English Teaching (CET) offers a range of English language courses including Academic English, General & Business English and IELTS preparation. CET programs help international students to reach the required English language levels for entry to degrees at the University. Students have the opportunity to take the CET university direct entry test at the completion of their language programs.
Level 2, Building F, 88 Mallett St
Umversity of Sydney (M02)
NSW 2006 Australia
Phone: (02) 9351 0706
Fax: (02) 9351 0710
Email: info@cet.usyd.edu.au
Web: www.usyd.edu.au/cet

Child care

Contact the Child Care Coordinator for information about children's services for students and staff of the University who are parents.
Child Care Coordinator
Level 7, Education Building, A3 5
Phone: (02) 9351 5667
Fax: (02) 9351 7055
Email: childc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/childcare

The Co-op Bookshop

As well as providing textbooks for all courses, the Co-op stocks a wide range of supplementary material including recommended readings, course notes, study aids, reference titles, general fiction, non fiction, academic and professional titles. Co-op members receive up to 15 per cent discount and the shop stocks software at up to 70 per cent off for students and academics.
. The Co-op is located in the Sydney University Sports and Aquatic Centre.
Phone: (02) 9351 3705 or (02) 9351 2807
Fax: (02) 9660 5256
Email: sydu@mail.coop-bookshop.com.au
Web: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling which is free and confidential. Counselling presents an opportunity to: gain greater self awareness; learn to cope more efficiently with the problem at hand; discuss any work related, social or personal issues that cause concern; explore options with professionally trained staff. In addition, workshops are offered each semester on topics such as stress management, relaxation, exam anxiety, communication skills and others.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2228
Fax: (02) 9351 7055
Email: counsell@mail.usyd.edu.au
Web: www.usyd.edu.au/counsel

Disability Services

Disability Services is the principal point of contact and advice on assistance available for students with disabilities. The Service works closely with academic and administrative staff to ensure that students receive reasonable accommodations in all areas of their study. Assistance available includes the provision of notetaking, interpreters, and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 7040
Fax: (02) 9351 3320
TTY: (02) 9351 3412
Email: disserv@stuserv.usyd.edu.au
Web: www.usyd.edu.au/disability

Enrolment and pre-enrolment

Students entering first year
Details of the enrolment procedures will be sent with the UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the Faculty in which you are enrolling, but is usually within the last week of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On the enrolment day, you pay the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies and nominate your preferred 'up front' or deferred payment for your Higher Contribution Scheme (HECS) liability. You also choose your first-year units of study, so it's important to consult the Handbook before enrolling.
***All** other students*
A pre-enrolment package is sent to all enrolled students in late September, and contains instructions on the procedure for pre-enrolment.

Examinations

The Examinations and Exclusions Office (see address below) looks after the majority of exam papers, timetables and exclusions. 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
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4005 or (02) 9351 4006
Fax: (02) 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

For information on how to pay, where to pay, and if payments have been received.
Fees Office
Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia "
Phone: (02) 9351 5222
Fax: (02) 9351 4202

Financial Assistance Office

The University has a number of loan funds and bursaries to assist students who experience financial difficulties. Assistance is not intended to provide the principal means of support but to help in emergencies and to supplement other income.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2416
Fax: (02) 9351 7055
Email: fao@stuserv.usyd.edu.au
Web: 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;
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect or out of date.
  (Note thata '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 be made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While application may be made for access 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 FOI activities on a regular basis. The two reports produced are the Statement of Affairs and the Summary of Affairs. The Statement of Affairs contains information about the University, its structure and function and the kinds of documents held. The Summary of Affairs identifies the University's policy documents and provides information regarding how to make application for access to University documents.

Further information, and copies of the current reports may be found at 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
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3199, (02) 9351 4009, Protocol (02) 93514612
Fax: (02) 9351 5072

(Grievances) appeals

Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters.

In some cases the by-laws or resolutions of the Senate (see University Calendar) specifically 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 Web site at www.usyd.edu.au/su/planning/policy/.

If you wish to seek assistance or advice regarding an appeal, contact:

Students' Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9660 5222

HECS

Student Centre
Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 5659, (02) 9351 5062, (02) 9351 2086
Fax: (02) 9351 5081

Information Technology Services (ITS)

Information Technology Services oversees the University's computing infrastructure. Students can contact ITS either through the ITS Helpdesk (helpdesk.usyd.edu.au), located in the University Computer Centre (Building H08), or through the University Access Labs (www.usyd.edu.au/su/is/labs/). The access labs on main campus are located in:

- Fisher Library (Level 2)
- Carslaw (Room 201)
- Education (Room 232)
- The Link Building (Room 222)
- Pharmacy (Room 510)

Other labs are available at the Law, Orange, Westmead and Cumberland campuses.

The labs allow students free access to computers, including office and desktop publishing software and storage, at-cost Internet access, printing facilities and the opportunity to host their own Web site.

Each student is supplied with an account, called a 'Unikey' or 'extra' account, which allows access to a number of services including:
Free email (www-mail.usyd.edu.au);

- Access to the Internet both from home and from the access labs (helpdesk.usyd.edu.au/services.html);
- Online course material (groucho.ucc.usyd.edu.au:9000/webct/public/home.pl);
- Student facilities via the intranet (wwwiintranetusyd.edu.au), including exam results and seating, student timetables and bulletin boards; and
- Free courses in Microsoft Word and Excel, Photoshop, Internet use and html.

International Student Centre

The International Student Centre consists of the International Office (IO), the International Student Services unit (ISSU) and the Study Abroad and Exchange Office. The International Office provides assistance with application, admission and enrolment procedures and administers scholarships for international students. The ISSU provides a wide range of international student support services including orientation and assistance with finding accommodation for new arrivals and psychological counselling and welfare advice for international students and their families. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for Study Abroad or Exchange programs.

International Student Centre
Services Building, G12
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4079
Fax: (02) 9351 4013
Email: info@io.usyd.edu.au
Web: www.usyd.edu.au/io

International Student Services Unit
Phone: (02) 9351 4749
Fax: (02) 9351 6818
Email: info@issu.usyd.edu.au
Web: www.usyd.edu.au/issu

*Study **Abroad and Exchange Unit***
Study Abroad
Phone: (02) 9351 3699
Fax: (02) 9351 2795
Email: studyabroad@io.usyd.edu.au
Web: www.usyd.edu.au/io/studyabroad
Exchange
Phone: (02) 9351 3699
Fax: (02) 9351 2795
Email: exchange@io.usyd.edu.au
Web: www.usyd.edu.au/io/exchange

Intranet

The University is continually increasing the amount of information and services it provides through the Web. This can be seen in the University's intranet, called USYDnet. Here, students and staff can find information on everything, from University policies, through to courses and units of study. As well as delivering this information, USYDnet provides interactive services such as a calendar of events, where students and staff can enter events and publish them on the Web, access to a single point of email, the ability to search for housing and casual jobs, and other student/staff specific information.

MyUni is the personalised section of USYDnet. All staff and students are provided with access to MyUni through a login name and password. MyUni enables them to receive delivery of personal information such as exam results, enrolment variations and seat numbers. MyUni is a portal from which students and staff can complete tasks that were previously only able to be done in person, offline.

Koori Centre and Yooroang Garang

The Koori Centre provides tutorial assistance: access to computers, Indigenous counsellor, Aboriginal Studies library study rooms, Orientation program at the beginning of the year, and assistance in study and learning skills. Education unit: courses in Education for ATSI students. Indigenous Studies unit: aims to increase the awareness of Indigenous Australian issues through courses across the University.
Ground Roor, Old Teachers' College, A22
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2046 general enquiries,
(02) 9351 7003 Liaison Officer
Fax: (02) 9351 6923
Email: koori@koori.usyd.edu.au
Web: www.koori.usyd.edu.au

Language Centre

Provides self-access course materials in over 140 languages. Beginner and intermediate courses in Modern Spanish, Modern Russian, Modern Welsh, Modern Irish, Modern Portuguese languages and cultures; Diploma course in Modern Language Teaching.
Level 2, Christopher Brennan Building, Al 8
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2371
Fax: (02) 9351 3626
Email: language.enquiries@language.usyd.edu.au
Web: www.arts.usyd.edu.au/Arts/departs/langcent/home.html

Learning Centre

The Learning Centre helps students to develop the generic learning and communication skills which 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 are an Individual Learning Program, a special program for international students, faculty-based workshops, computer-based learning resources, publications of learning resources and library faculties.
Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3853
Fax: (02) 9351 4865
Email: lc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/lc

Library

Students are welcome to use any of the 20 libraries in the University. The student card is also the library borrower's card. Further details of the libraries, including services provided, locations and opening hours are available on the Library's Web page, www.library.usyd.edu.au, as well as in the printed Library Guide, available at any library. Consult the Library staff for assistance.

The libraries listed below are located on the Camperdown/ Darlington campus unless otherwise specified.

Architecture Library
Wilkinson Building, G04
Phone: (02) 9351 2775
Fax: (02) 9351 4782
Email: architecture@library.usyd.edu.au

Badham Library
Badham Building, A16
Phone: (02) 9351 2728
Fax: (02) 9351 3852
Email: badham@library.usyd.edu.au

Biochemistry Library
Biochemistry Building, G08
Phone: (02) 9351 2231
Fax: (02) 9351 7699
Email: biochemistry@library.usyd.edu.au

Burkitt-Ford Library
Sir Edward Ford Building, A27
Phone: (02) 9351 4364
Fax: (02) 9351 7125
Email: burkittford@library.usyd.edu.au

Camden Library
University Farms, Werombi Rd, Camden, C15
Phone: (02) 9351 1627
Fax: (02) 4655 6719
Email: camden@library.usyd.edu.au

Chemistry Library
From December 2002, merged with the Geosciences Library in the Madsen Building

Curriculum Resources Library
Relocated to Fisher Library, Floor 1
Phone: (02) 9351 6254
Fax: (02) 9351 7766
Email: curriculum@library.usyd.edu.au

Dentistry Library
United Dental Hospital, 2 Chalmers St, Surry Hills, C12
Phone: (02)9351 8331
Fax: 9212 5149
Email: dentistry@library.usyd.edu.au

Engineering Library
PN Russell Building, J02
Phone: (02) 9351 2138
Fax: (02) 9351 7466
Email: engineering@library.usyd.edu.au

Fisher Library
Eastern Ave, F03
Phone: (02) 9351 2993
Fax: (02) 9351 4328
Email: fishinf@library.usyd.edu.au

Geosciences Library
Madsen Building, F09
Phone: (02) 9351 6456
Fax: (02) 9351 6459
Email: geosciences@hbrary.usyd.edu.au

Health Sciences Library
East St, Lidcombe, C42
Phone: (02) 9351 9423
Fax: (02) 9351 9421
Email: library@fhs.usyd.edu.au

Law Library
Law School, 173-175 Phillip St, Sydney, C13
Phone: (02) 9351 0216
Fax: (02) 9351 0301
Email: library@law.usyd.edu.au

Mathematics Library
Carslaw Building, F07
Phone: (02) 9351 2974
Fax: (02) 9351 5766
Email: mathematics@library.usyd.edu.au

Medical Library
Bosch Building, D05
Phone: (02) 9351 2413
Fax: (02) 9351 2427
Email: medical@library.usyd.edu.au

Music Library
Seymour Centre, J09
Phone: (02) 9351 3534
Fax: (02) 9351 7343
Email: music@library.usyd.edu.au

Nursing Library
88 Mallett St, Camperdown, M02
Phone: (02) 9351 0541
Fax: (02) 9351 0634
Email: nursing@library.usyd.edu.au

Orange Library
Leeds Parade, Orange
Phone: (02) 6360 5593
Fax: (02) 6360 5637
Email: Ub@orange.usyd.edu.au

Physics Library
New Wing, Physics Building, A29
Phone: (02) 9351 2550
Fax: (02) 9351 7767
Email: physics@library.usyd.edu.au

Schaeffer Fine Arts Library
Mills Building, A26
Phone: (02) 9351 2148
Fax: (02) 9351 7624
Email: john.spencer@arthist.usyd.edu.au

Sydney College of the Arts Library
Balmain Rd, Rozelle, N01
Phone: (02) 9351 1036
Fax: (02) 93511043
Email: scalib@sca.usyd.edu.au

Sydney Conservatorium of Music Library
Macquarie St (opposite Bridge St), Sydney, C41
Phone: (02) 9351 1316
Fax: (02) 9351 1372
Email: library@conmusic.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre assists students to develop the mathematical knowledge, skills and confidence that are needed for studying mathematics or statistics 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 during the year through individual assistance and small group tutorials to eligible students.

Level 4, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4061
Fax: (02) 9351 5797
Email: mlc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/mlc

Part-time, full-time

Undergraduate students

Undergraduate students are normally considered as full-time if they have a HECS weighting 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)

Whether a postgraduate coursework student is part-time or full-time is determined solely by credit-point load for all coursework programs. A students is classed as enrolled full-time in a semester if he/she is enrolled in units of study which total at least 18 credit points. Anything under this amount is considered a

part-time study load. Please note that classes for some coursework programs are held in the evenings (generally 6-9 pm).

Postgraduate students (research)

Full-time candidates for research degrees do not keep to the normal semester schedule but work continuously throughout the year except for a period of four weeks' recreation leave. There is no strict definition of what constitutes full-time candidature but, generally speaking, 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 as may be required) you should enrol as a part-time candidate. If in doubt you should consult your faculty or supervisor.

International students

Intemadonal students who are resident in Australia are normally required under the terms of their entry visa to undertake full-time candidature only.

Privacy

The University is subject to the NSW Privacy and Personal Information Protection Act 1998 (the Act). Central to the Act are the twelve Information Protection Principles (IPPs) which regulate the collection, management, use and disclosure of personal information. The University has 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 new 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 www.usyd.edu.au/arms/privacy.

Any questions regarding the Freedom of Information Act, the Privacy and Personal Information Protection Act or the Privacy Management Plan should be directed to:
Tim Robinson: (02) 9351 4263; or Anne Picot: (02) 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for undergraduates

Scholarships Unit, Room 147
Ground Floor, Mackie Building, KOI
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2717
Fax: (02) 9351 5134
Email: scholarships@careers.usyd.edu.au
Web: www.usyd.edu.au/study/scholarships.shtml

Student Centre

Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3023 General Enquiries
(02) 9351 4109 Academic Records
(02) 9351 3023 Discontinuation of Enrolment
(02) 9351 5057 Handbooks
(02) 9351 5060 Prizes
Fax: (02) 9351 5081, (02) 9351 5350 Academic Records

Student identity cards

The student tidentity card functions as a library borrowing card, a transport concession card, when suitably endorsed, and a general identity card for a range of purposes within the Univesity. The card must be carried at all times on the grounds of the University and must be shown on demand. Students are required to provide a passport-sized colour photograph incorporating head nd shoulders only for lamination to this card. Free lamination is provided at a range of sites throughout the University during the January/February enrolment/pre-enrolment period. Cards which are not laminated or do not include a photograph will not be accepted. New identity cards are required for each year of a student enrolment.

Student Services

Student Services exists to help you achieve your educational goals by providing personal, welfare, and academic support services to facilitate your success at University. Many factors can impact on your well being while studying at University and Student Services can assist you in managing and handling these more effectively. Refer to Accommodation Service, Casual Employment Service, Child Care, Counselling Service, Disability Services, Financial Assistance Office, Learning Centre, Mathematics Learning Centre. The Web site is at www.usyd.edu.au/stuserv.

The Sydney Summer School

Most faculties at the University offer units of study from undergraduate degree programs during January/February. There are also some units of study available from postgraduate coursework programs from some faculties. As the University uses all of its HECS quota 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 requisite subjects before they commence their degrees. Units start on 6 January and run for up to six weeks (followed by an examination week). Notice of the units available is contained in the various faculty handbooks, on the summer school Web site (www.summer.usyd.edu.au) and is usually circulated to students with their results notices.

Timetabling unit

The timetabling unit in the Student Centre is responsible for producing students' class and tutorial timetables. Students can obtain their Semester 1 timetables from the Wednesday of Orientation Week via the Web.

The Sydney Conservatorium of Music operates in accordance with a local calendar of dates and produces a complete timetable for all teaching that it delivers. The timetable is available on enrolment at the Conservatorium.

University Health Service

Provides full general practitioner services and emergency medical care to the University community.

Email: director@unihealth.usyd.edu.au
Web: www.unihealth.usyd.edu.au

University Health Service (Wentworth)

Level 3, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3484
Fax: (02) 9351 4110

University Health Service (Holme)

Science Rd Entry, Holme Building, A09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4095
Fax: (02) 9351 4338

■ Student organisations

Students' Representative Council

Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9660 5222 Editors, Honi Soit/Legal Aid
(02) 9660 4756 Second-hand Bookshop
(02) 9351 0691 Mallett St
(02) 9351 1291 Pitt St - Conservatorium
Fax: (02) 9660 4260
Email: postmaster@src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an organization which provides services to and represents the interests of postgraduate students.

All postgraduate students at the University of Sydney are members of SUPRA.
Raglan Street Building, G10
University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3715, Freecall 1800 249 950
Fax: 02 9351 6400
Email: supra@mail.usyd.edu.au
Web: www.usyd.edu.au/supra/

Sydney University Sports Union

Services, facilities and clubs for sport, recreation and fitness.
Noel Martin Sports and Aquatic Centre, G09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4960
Fax: (02) 9351 4962
Email: sports_union@susu.usyd.edu.au

University of Sydney Union

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
Box 500, Holme Building, A09
The University of Sydney
NSW 2006 Australia
Phone: (02) 9563 6000 Switchboard/Enquiries
Fax: (02) 9563 6239
Email: email@usu.usyd.edu.au
Web: www.usu.usyd.edu.au

Women's Sports Association

Provides for students, predominantly women, to participate in sport and recreation through the provision of facilities, courses and personnel.
The Arena Sports Centre, A30
The University of Sydney
NSW 2006 Australia
Phone: (02)9351 8111
Fax: (02) 9660 0921
Email: secretary@suwsa.usyd.edu.au
Web: www.suwsa.usyd.edu.au

Glossary

This glossary describes terminology in use at the University of Sydney.

Academic Board

The Academic Board is 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 of students. (For further information, see the University Calendar.)

Academic cycle

The Academic cycle is the program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester 1 through to the completion of the processing of results at the end of Semester 2. (See also *Stage.)*

Academic record

The academic record is 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. A student's academic record is not released to a third party without the written authorisation of the student. (See *also Academic transcript.)*

Academic transcript

An academic transcript is a printed statement sethng 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

An academic year is a normal full-time program taken in a course in a year. Some courses consist of stages, which may readily be equated with academic year. Others use the aggregation of credit points to do this (eg, 48 credit points = an academic year). (See also *Academic cycle, Stage.)*

Addresses

All enrolled students need to have a current postal address recorded on FlexSIS to which all official University correspondence is sent. (See also *Business address, Permanent home address, Semester address, Temporary address.)*

Admission

Admission is governed by the University's admission policy and 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 criterion 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

Admission mode is 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. Trie main admission period takes place before Semester 1, but there may also be an admission period for mid-year applicants before the beginning of Semester 2 and other admission periods.

Admission reply

A code used by FlexSIS to indicate whether an applicant who has received an offer has accepted the offer or not.

Admission result

A code used by FlexSIS to indicate the result of a direct application to study at the University (eg, offer, unsuccessful, withdrawn).

Admission year

The year the student began the course.

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.)*

Annual Progress Report

The Annual Progress Report is a form issued by faculties 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 nominee). The completed form is attached to the student's official file. FlexSIS records that the form has been sent out and that it has been satisfactorily completed.

APA

Australian Postgraduate Awards. (See also *Scholarships, UPA.)*

Appeals

Students may lodge appeals against academic or disciplinary decisions. FlexSIS will record an academic appeal (eg, against exclusion) while they are under consideration and will record the outcome of the appeal. Disciplinary (that is, non-academic) appeals are not recorded on FlexSIS.

ARTS

Automated Results Transfer System. This system was developed on behalf of ACTAC (Australasian Conference of Tertiary Admissions Centres) to allow the electronic academic record of a student to be accessible, via an admission centre, between tertiary institutions.

Assessment

The process of measuring the performance of students in units of study and courses. The assessment of performance in a unit of study may include examinations, essays, laboratory projects, or assignments. (See also *Board of examiners, Result processing, Result processing schedule.)*

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 mode

A DEST classification defining the manner in which a student is undertaking a course - ie, internal, external, mixed or offshore.

Attendance pattern/type

Refers to whether the student is studying part-time or full-time. For coursework students this is a function of course load - ie, the

proportion being undertaken by the student of the normal full-time load specified for the course in which the student is enrolled. To be considered full-time, a coursework student must undertake at least 0.75 of the normal full-time load over the academic cycle or at least 0.375 if only enrolling in half of an academic year. It is important to note, however, that, for some purposes, to be considered full-time a student may need to be enrolled in at least 0.375 in each half year. Research students, with the approval of their faculty, nominate whether they wish to study part-time or full-time. The attendance status is then recorded on FlexSIS as part of the application or enrolment process. (See also *Coursework, Student load.)*

AusAID

Australian Agency for International Development.

AUSCHECK

AUSCHECK is the software provided by Centrelink to validate data prior to reporting to Centrelink.

AUSTUDY

Replaced by Youth Allowance. (See also *Youth Allowance.)*

Award course

An award course is a formally approved program of study that can lead to an academic award granted by the University. An award course requires the completion of a program of study specified by course rules. (See also *Course rules.)*

Award courses are approved by Senate, on the recommendation of the Academic Board. Students normally apply to transfer between Award courses through the UAC. The award course name will appear on testamurs. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. The award courses offered by the University are:

- Higher doctorates
- Doctor of philosophy (PhD)
- Doctorates by research and advanced coursework
- Master's degree by research
- Master's degree by coursework
- Graduate diploma
- Graduate certificate
- Bachelor's degree
- Advanced diplomas
- Diplomas
- Certificates

(See *also Bachelor's degree, Course rules, Diploma, Doctorate, Major, Master's degree, Minor, PhD, Stream.)*

Bachelor's degree

The highest undergraduate award offered at the University of Sydney. 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

A barrier is an instruction placed on a student's FlexSIS record that prevents the student from re-enrolling or graduating. (See also *Deadline (fees), Suppression of results.)*

Board of examiners

A Board of examiners was a body appointed by a faculty or board of studies which met to approve the results of all students undertaking courses supervised by that faculty or board of studies. Boards of examiners were dis-established following revision of the University's examination procedures in 2000. (See also *Assessment, Result processing, Result processing schedule.)*

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

See *Scholarships.*

Business address

FlexSIS can record a student's business address and contact details. (See also *Addresses, Permanent home address, Semester address, Temporary address.)*

Cadigal Program

The Cadigal Program is a University wide access and support scheme for Aboriginal and Torres Strait Islanders.

Campus

The grounds on which the University is situated. There are eleven campuses of the University of Sydney: Burren Street (Institute for International Health, Institute of Transport Studies), Camperdown and Darlington (formerly known as Main Campus), Camden (Agriculture and Veterinary Science), Conservatorium (Conservatorium of Music), Cumberland (Health Sciences), Mallett Street (Nursing), Orange (Faculty of Rural Management), Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

Census date

See *HECS census date.*

Centre for Continuing Education

The Centre for Continuing Education develops and conducts courses, conferences and study tours for the general public and professional groups. The Centre offers approximately 1,000 courses for approximately 20,000 students each year. Most of these courses are held over one of the four main sessions that are conducted each year, though the Centre is offering an increasing number of ad hoc courses in response to increased competition and changing demands. The Centre operates on a cost recovery/ income generation basis. (See also *Continuing professional education.)*

Centrelink

Centrelink is the agency responsible for providing information and assistance on a range of Commonwealth Government programs including Youth Allowance. (See also *Youth Allowance.)*

Ceremony

See *Graduation ceremony.*

Chancellor

The non-executive head of the University. An honorary position, the Chancellor chairs meetings of the University's governing body, the Senate, and presides over graduation ceremonies amongst other duties.

Class list

A listing of all currentiy enrolled students in a particular unit of study. (See also *Unit of study.)*

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

See *Combined course.*

Commencing student

A student enrolling in an award course at the University of Sydney for the first time. The DEST glossary provides a more detailed definition.

Comp subs

See *Compulsory subscriptions.*

Compulsory subscription rates

There are two rates for some annual subscriptions: full-time and part-time. (See also *Compulsory subscriptions.)*

Compulsory subscription waiver provision

Certain students over a certain age or with disabilities or medical conditions may be exempted from the subscription to the sports body.

Students with a conscientious objection 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.)*

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. These organisations are different on different campuses. There are different organisations for undergraduate and postgraduate students.

At the Camperdown/Darlington campus (formerly known as Main Campus), compulsory submissions depend on the level of study.

Undergraduate: the University of Sydney Union, Students' Representative Council (SRC) and the University of Sydney Sports Union or the Sydney University Women's Sports Association.

Postgraduate: the University of Sydney Union and the Sydney University Postgraduate Representative Association (SUPRA).

Student organisations at other campuses 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 rates, Compulsory subscription waiver provision, Joining fee, Life membership.)*

Confirmation of Enrolment form

A Confirmation of Enrolment form is issued to students after enrolment showing the course and the units of study they are enrolled in, 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.

For postgraduate research students the form also lists candidature details and supervisor information.

Where students have an appointed advisor, the advisor information is also shown.

Continuing professional education

The continuing professional education process 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 requires/promotes the maintenance of a long term relationship between the student and the University. It is envisaged that the importance of this mode of education will increase in the future. (See also *Centre for Continuing Education.)*

Convocation

Convocation is the body comprising all graduates of the University.

Core unit of study

A unit of study that is compulsory for the course or subject area. (See also *Unit of study.)*

Corequisite

A corequisite is 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.)*

Course

An award course or non-award course undertaken at the University of Sydney. (See also *Award course, Non-award course.)*

Course alias

Each course in FlexSIS is identified by a unique five-digit alpha-numeric code.

Course code

See *Course alias.*

Course ***leave***

Students (undergraduate and postgraduate) 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 and recorded on FlexSIS (leave for periods of less than one semester should be recorded internally by the faculty). 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 reapply formally for admission. The term 'suspension of candidature' was previously used to describe research students on course leave.

Course (research)

A classification of courses in which students undertake supervised research leading to the production of a thesis or other piece of written or creative work over a prescribed period of time. The research component of a research course must comprise 66 per cent or more of the overall course requirements.

Course rules

Course rules govern the allowable enrolment of a student in a course; eg, 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; eg, a candidate must have completed a minimum of 144 credit points. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated. (See also *Award course.)*

Course suspension

See *Course leave.*

Course transfer

A course transfer occurs where a student changes from one course in the University to another course in the University without the requirement for an application and selection (eg, from a PhD to a master's program in the same faculty).

Course type

Course type is a DEST code.

Coursework

Coursework is a classification used to describe those courses that consist of units of study rather than research work. All undergraduate courses are coursework programs. Postgraduate courses can be either research courses or coursework courses. (See also *Course (research).)*

Credit

The recognition of previous studies successfully completed at this or another recognised (by the University of Sydney) university or tertiary institution as contributing to the requirements for the award of the course in which the applicant requesting such recognition has been admitted.

Where the University agrees to recognise successfully completed previous studies, their contribution to the requirements for the award of the course, in which the applicant has been admitted, will be expressed as specific or non-specific credit.

Credit awarded to a credit applicant - whether specific or non-specific - will be recorded with a mark and grade of 50 pass, unless in individual cases the credit is assessed by the faculty as having a mark and grade greater than 50 pass. This equivalent mark and grade will be used for the purposes of calculating a student's weighted average mark and for the purposes of satisfying prerequisite rules where a level of passing grade is specified.

(See also *Precedents, Specific credit, Non-specific credit, Waiver, Weighted average mark (WAM))*

Creditpoints

Credit points are a measure of value indicating the contribution each unit of study provides towards meeting course completion requirements stated as a total credit point value. Each unit of study will have a credit point value assigned to it, normally in the range 3 to 24. Resolutions of Senate set the number and level of credit points required for graduation.

Cross-institutional enrolment

Cross-institutional enrolment is an enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a HECS liability or tuition fee charge at the institution at which the unit of study is being undertaken. Students pay compulsory subscriptions to one university only (usually their home university - ie, the university which will award their degree). (See also *Non-award course, Enrolment non-award.)*

DAC (Data Audit Committee)

DAC is a sub-committee of the VCAC Enrolment Working Party, chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and the Planning Support Office. Its role is to oversee the integrity and accuracy of the course and unit of study data as strategic university data. It has a role in advising the Academic Board on suggested policy changes with relation to course and unit of study data.

Deadlines (enrolment variations)

See *Enrolment variations.*

Deadlines (fees)

The University has deadlines for the payment of fees (eg, HECS, compulsory subscriptions, course fees, etc). 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.)*

Dean

The head of a faculty or the principal or director of a college (such as the 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

See Admission (deferment), Leave.

Degree

(See also *Award course, Bachelor's degree.)*

Delivery mode

Indicates the mode of delivery of the instruction for a unit of study - eg, normal (ie, by attending classes at a campus of the University), distance (ie, remotely by correspondence or other distance means - eg, Web delivery). The delivery mode must be recorded for each unit as distinct from the attendance mode of the student - ie, an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Department

For the purposes of FlexSIS, a department is the academic unit, which is responsible for teaching and examining a unit of study. It may be called a school, a department, a centre or a unit within the University.

DEST

The Department of Education, Science and Training is the Commonwealth Government department responsible for higher education. The University is required to provide DEST with information about its students several times a year. The Government uses this information in its funding deliberations.

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. Graduate diploma courses are only available to students who already hold an undergraduate degree. (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, registered on FlexSIS and considered by the relevant department or faculty body. Decisions are recorded on FlexSIS and FlexSIS produces letters to applicants advising them of the outcome. (See also *Admission, UAC admissions.)*

Disability information

Students may inform the University of any temporary or permanent disability, other than a financial disability, which affects their life as a student. Disability information is recorded in FlexSIS but it is only visible to particular authorised users because of its sensitive nature.

Discipline codes

Discipline codes are four-letter codes for each area of study available at the university (eg, CHEM Chemistry, ECON 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 dissertation is a written exposition of a topic and 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 and flexible learning

Distance and flexible learning affords the opportunity to provide higher education to a much wider market - including students from anywhere in the world- at times, locations and modes that suit them.

Doctor of philosophy (PhD)

See Award course, Doctorate, PhD.

Doctorate

The doctorate and the PhD are high-level postgraduate awards available at the University of Sydney. 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 of Sydney. (See also *Award course, PhD.)*

Earliest date

See Research candidature.

EFTSU

The equivalent full-time student unit (EFTSU) is a measure of student load expressed as a proportion of the workload for a standard annual program for a student undertaking a full year of study in a particular award course. A student undertaking the standard annual program of study (normally 48 credit points) generates one EFTSU.

EFTYR

The effective full-time enrolment year (EFTYR) is a calculation of how long, in terms of equivalence to full-time years of enrolment, a student has been enrolled in a course. If a student has always been full-time, the calculation is straightforward (eg, the fifth year of enrolment is EFTYR 5). If the student has had a mixture of part-time and full-time enrolment, this can be equated with an EFTYR. (See also *Stage.)*

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. The student pays whatever fees are owing to the University by the deadline for that semester. New students currently pay on the day they enrol which is normally in early February. Students already in a course at the University re-enrol each year or semester; for most students pre-enrolment is required. (See also *Pre-enrolment.)*

Enrolment non-award

Non-award enrolment is an enrolment in a unit or units of study, which does not count towards a formal award of the University. Non-award enrolments are recorded in various categories used for reporting and administrative purposes. (See also *Cross-institutional enrolment, Non-award course.)*

Enrolment status

A student's enrolment status is either 'enrolled' or 'not enrolled'. An enrolment status is linked to an enrolment status reason or category.

Enrolment status reason/category

Not enrolled status reasons/categories include: withdrawn, totally discontinued, cancelled, on leave (suspended), transferred, lapsed, terminated, qualified and conferred.

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.)*

Enrolment year

See EFTYR, Stage.

Examination

See *Examination paper code, Examination period, Supplementary exams.*

Examination paper code

A code that identifies each individual examination paper. Used to help organise examinations.

Examination period

The examination period is the time set each semester for the conduct of formal examinations.

Exchange student

An exchange student is 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

The faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show 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. 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 *Senate appeals.)*

Extended semesters

Distance learning students may be allowed more time to complete a module/program if circumstances are beyond the student's control - eg, drought, flood or illness, affect the student's ability to complete the module/program in the specified time.

External

See *Attendance mode.*

External transcript

An external transcript is 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 (but not any unit of study which has the status of withdrawn). It also includes any scholarships or prizes the student has received. Two copies are provided to each student on graduation (one with marks and grades for each unit of study and one with grades only). External transcripts are also produced at the request of the student. The student can elect either to have marks appear on the transcript or not. (See also *Academic transcript, Internal transcript.)*

Faculty

A faculty, consisting mainly of academic staff members and headed by a dean, is a formal part of the University's academic governance structure, responsible for all matters concerning the award courses that it supervises (see the 2001 University Calendar, pp.140-141). Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The Calendar sets out the constitution of each of the University's 17 faculties. (See also *Board of studies, Supervising faculty.)*

Fail

A mark of less than 50% which is not a concessional pass. (See *also Results.)*

Fee-paying students

Fee-paying students are students who pay tuition fees to the University and are not liable for HECS.

Fee rate

Local fees are charged in bands, a band being a group of subject areas. The bands are recommended by faculties and approved by the DV-C (Planning and Resources).

Fee type

Fee type can be 'international' or 'local'.

Flexible learning

See *Distance and Flexible learning.*

Flexible start date

Full fee-paying distance students should not be restricted to the same enrolment time frames as campus-based or HECS students.

FlexSIS

FlexSIS is the computer-based Flexible Student-Information System at the University of Sydney. Electronically 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. HexSIS also holds the complete academic records of many (but not all) past students of the university. For past students whose complete records are not held on FlexSIS, there will be a reference on FlexSIS to card or microfiche records where details are kept.

Full-time student

See Attendance status, EFTSU.

Grade

A grade is a result outcome for a unit of study normally linked with a mark range. For example, in most faculties, a mark in the range 85-100 attracts the grade 'high distinction' ('HD'). (See alsoAfarfc)

Graduand

A Graduand is a student who has completed all the requirements for an award course but has not yet graduated. (See also *Graduation, Potential graduand.)*

Graduate

A graduate is 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 register

The graduate register is a list of all graduates of the University. (See also *Graduation.)*

Graduation

Graduation is the formal conferring of awards either at a ceremony or in absentia.

(See also *In absentia, Potential graduand.)*

Graduation ceremony

A graduation ceremony is a ceremony where the Chancellor confers awards upon graduands. The Registrar publishes annually the schedule of graduation ceremonies.

HECS

See *Higher Education Contribution Scheme (HECS).*

HECS census date

The date at which a student's enrolment, load and HECS liability are finalised before reporting to DEST. The following dates apply:

Semester 1:31 March

Semester 2: 31 August.

HECS code

A code used by DEST to identify the HECS status of a student (eg, 10 deferred, 11 upfront).

Higher doctorates

See *Award course.*

Higher Education Contribution Scheme (HECS)

All students, except international students, local fee-paying students and holders of certain scholarships are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme (HECS). HECS liability depends on the load being taken.

Current students, except possibly those who began their studies prior to 1997, have a HECS rate charged for each unit of study in their degree program which depends on the 'discipline group' it is in, and the 'band' to which the Government has assigned it. Theses are ail determined annually by the Government.

Honorary degrees

A degree honoris causa (translated from the Latin as 'for the purpose of honouring') is an honorary award, which is conferred on a person whom the University wishes to honour.

A degree ad eundem gradum (translated as 'at the same level') is awarded to a member of the academic staff who is not a graduate of the University in recognition of outstanding service to the University. The award of an honorary degree is noted on the person's academic record.

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 1, Class II, Class III) and sometimes there are two divisions within Class II.

HSC

The HSC is the NSW Higher School Certificate, 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.

In absentia

In absentia is Latin for 'in the absence of. Awards are conferred in absentia when a graduand does 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 Conservatorium of Music and BMus students on the Camperdown campus have an instrumental teacher appointed.

(See also *Advisor, Associate supervisor, Research supervisor, Supervision.)*

Internal

See Attendance mode.

Internal transcript
An Internal transcript is a record of a student's academic record for the University's own internal use. It includes the student's name, 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
An International student is required to hold a visa to study in Australia and may be liable for international tuition fees. Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. New Zealand citizens are not classified as international students but have a special category under HECS that does not permit them to defer their HECS liability.

(See also *Local student, Student type.)*

Joiningfee
Students enrolling for the first time pay, in addition, a joining fee for the University of Sydney Union or equivalent student organisation.

(See also *Compulsory subscription.)*

Leave
See *Course leave.*

Life membership
Under some circumstances (eg, after five full-time years of enrolments and contributions) students may be granted life membership of various organisations, which means they are exempt from paying yearly fees.

(See also *Compulsory subscription.)*

Load
Load for an individual student is the sum of the weights of all the units of study in which the student is enrolled.

(See also *EFTSU, HECS.)*

Local student
A local student is either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their HECS upfront. (See also *Fee type, HECS, International student.)*

Major
A major is a defined program of study, generally comprising 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 prescribed in order to satisfy course requirements. Majors may be included on testamurs. (See also *Award course, Minor, Stream.)*

Major timetable clash
Used by FlexSIS to denote occasions 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 together.

Mark
An integer (rounded if necessary) between 0 and 100 inclusive, 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, Course (research), Coursework.)*

Minor
A minor is 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. Students select and transfer between minors (and majors) by virtue of their selection of units of study.

One or more minors may be prescribed in order to satisfy course requirements. Minors may be included on testamurs.

(See also *Award course, Major, Stream.)*

Minor timetable clash
Used by FlexSIS to denote occasions when a student attempts to enrol in units of study which have some identical times of teaching.

Mixed mode
See Attendance mode.

Mode
See Attendance mode and Delivery mode.

Mutually exclusive units of study
See *Prohibited combinations of units of study.*

MyUni
MyUni is a personalised space for staff and students on the University of Sydney's intranet, called USYDnet. MyUni is used to deliver information and services direcdy through a central location, while also allowing users to customise certain information. Students are able to access such services as exam seat numbers, results, timetables and FlexSIS pre-enrolment and enrolment variations on MyUni. (See also *UsydNet.)*

Non-award course
Non-award courses are courses undertaken by students who are not seeking an award from the University. These may be students enrolled in an award course at another institution or students not seeking an award from any institution. Non-award courses are assigned a course code in the same way as award courses. A separate course code is assigned for each faculty, level (undergraduate or postgraduate) and method (research or coursework) which offers a non-award course. Various categories of non-award enrolment are recorded on FlexSIS for reporting and administrative purposes.(See also *Course, Cross-institutional enrolment, Enrolment non-award.)*

Non-award enrolment
See Enrolment non-award.

Non-specific credit

Non-specific credit is awarded when previous studies are deemed to have satisfied defined components of a course other than named units of study. These components include, but are not limited to:

- entire years in courses that progress through the successful completion of a set of prescribed units of study per year
- a set number of credit points within a particular discipline or level (ie, first, second or third year)
- one or more semesters for research courses.

(See also *Credit, Specific credit.)*

Non-standard Teaching Period
A non-standard teaching period is when a unit of study is delivered in a teaching session of less than a standard semester (6 months). Summer School units of study, which are delivered and assessed in intensive mode during January of each year, are an example of non-standard teaching periods. (See also *Semester, Session.)*

OPRS
Overseas Postgraduate Research Scholarship.

Orientation Week
Orientation or 'O Week', takes place during the week prior to lectures in Semester 1. 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.

Part-time student
See Attendance status, EFTSU.

PELS
See Postgraduate Education Loans Scheme

Permanent home address
The permanent home address is the address for all official University correspondence both inside and outside of semester time (eg, during semester breaks), unless overridden by semester address. (See also *Addresses, Business address, Semester address, Temporary address.)*

PhD
The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University of Sydney. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. Entry to a PhD course often requires completion of a master's degree course. Note that the PhD course is available in most departments in the University of Sydney. (See also *Award course, Doctorate.)*

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.

Postgraduate Education Loans Scheme (PELS)

The Postgraduate Education Loans Scheme (PELS) is 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).

Potential graduand

Potential graduands are students who have been identified as being eligible to graduate on the satisfactory completion of their current studies. See also Graduand, Graduation.)

Precedents

Where a credit applicant has credit approved in terms of the granting of specific or non-specific credit on the basis of study previously taken, a precedent is established at system level. Any other credit applicant subsequently seeking credit on the basis of the same pattern of previous study will be eligible to have the item of credit to be immediately approved on the basis of the previously approved precedent. (See also *Credit.)*

Pre-enrolment

Pre-enrolment takes place in October for the following year. Students indicate their choice of unit of study enrolment for the following year. After results are approved, registered students are regarded as enrolled in those units of study they chose and for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing or comply with other requirements by the due date. Re-enrolling students who do not successfully register 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. Pre-enrolment is also known as provisional re-enrolment. (See also *Enrolment.)*

Prerequisite

A prerequisite is a unit of study that is required to be completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory. (See also *Assumed knowledge, Corequisite, Waiver, Qualifier.)*

Prizes

Prizes are awarded by the University, a faculty or a department for outstanding academic achievement. Full details can be found in the University Calendar.

Probationary candidature

A probationary candidate is 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.

Progression

See *Course progression.*

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. A unit related in this way to any other unit is linked in tables of units of study via use of the symbol N to identify related prohibited units.

Provisional re-enrolment

See *Pre-enrolment.*

Qualification

A qualification is an academic attainment recognised by the University.

Qualifier

A mandatory (compulsory) pre-requisite unit of study which must have a grade of Pass or better. (See also *Assumed knowledge, Corequisite, Prerequisite, Waiver.)*

Registrar

The Registrar is responsible to the Vice-Chancellor for the keeping of official records and associated policy and procedures within the University. (See the University Calendar for details.)

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 person will be a full-time member of the academic staff or a person external to the University appointed in recognition of 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.)*

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 Masters by research.

Resolutions of Senate

Regulations determined by the Senate of the University of Sydney that pertain to degree and diploma course requirements and other academic or administrative matters.

Result processing

Refers to the processing of assessment results for units of study. Departments tabulate results for all assessment activities of a unit of study and assign preliminary results for each unit of study. Preliminary results are considered by the relevant board of examiners, which approves final results. Students are notified of results by result notices that list final marks and grades for all units of study. (See also *Assessment, Examination period.)*

Result processing schedule

The result processing schedule will be determined for each academic cycle. It is expected that all departments and faculties will comply with this schedule. (See also *Assessment, Examination period, Result processing.)*

Results

The official statement of the student's performance in each unit of study attempted, as recorded on the academic transcript, usually expressed as a grade:

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.
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 - eg, 'no more than one sixth of the total credit points for a course can be made up from PCON results'.
F	Fail	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 (ie, 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.
DF	Discontinued - fail	Recorded on transcript. This applies from the time DNF ceases to be automatically available up to the cessation of classes for the unit of study.
MINC	Incomplete with a mark of at least 50	This result may be 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 mark and passing grade. Except in special cases approved by the Academic Board, this result will be converted to a normal passing mark and grade either: (a) 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 (b) automatically to the indicated mark and 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.
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: (a) 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 (b) 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 (eg, Honours).

RTS
See *Research Training Scheme.*

Scholarships
Scholarships are financial or other forms of support made available by sponsors to assist Australian and international students to pursue their studies at the University. When a student's means are a criterion, scholarships are sometimes called bursaries. (See also *Prizes.)*

School
See *Department.*

SCR
System change request.

Semester
A semester is 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 teaching period) must be given special permission by the Academic Board. (See also *Session, Non-Standard Teaching Period.)*

Semester address ■
The semester address is the address to which all official University correspondence is sent during semester time, if it is different to the permanent address. Unless overridden by a temporary address all official University correspondence during semester (including Session 4 for students enrolled in Summer School) will be sent to this address. (See also *Addresses, Business address, Permanent home address, Temporary address.)*

Senate
The Senate of the University is the governing body of the University. (See the University Calendar.)

Senate appeals
Senate appeals are held for those students who, after being excluded by the 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 - ie, the department, faculty, board of study and, in the case of postgraduates, the Committee for Graduate Studies. (See also *Exclusion.)*

Session
A session is 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 1 or 2 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.*

Special consideration
Candidates who have medical or other serious problems, which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

They can obtain an official form from the Student Centre. The Student Centre stamps the form and the medical or other documentation. The student gives a copy of the material to the Student Centre staff and takes copies to the relevant departments. The student retains the originals. The dates for which special consideration is sought are recorded on FlexSIS and printed on the examination register.

Special permission
See *Waiver.*

Specific credit
Specific credit is awarded when previous studies are entirely equivalent to one or more named units of study offered by the University of Sydney that contribute to the course in which the applicant has been admitted. (See also *Credit, Non-specific credit.)*

Sponsorship
Sponsorship is the financial support of a student by a company or government body. Sponsors are frequently invoiced directly.

SRS
SRS is the student record system responsible, prior to FlexSIS, for the processing of student records. The functions of SRS are gradually being incorporated into FlexSIS. (See also *FlexSIS.)*

Stage
For the purposes of administration, a course may be divided into stages to be studied consecutively. The stages may be related to sessions or they may relate to an academic cycle. Part-time students progress through a course more slowly and would often enrol in the same stage more than once.

Status
Status is a variable for students both with relation to course and unit of study. With relation to course, students can have the status of enrolled or not enrolled. 'Not enrolled' reasons can be: totally discontinued, withdrawn, suspended, cancelled, awarded, etc. With relation to unit of study, students can have the status of CURENR or WITHDN, discontinued, etc.

Stream

A stream is a defined program of study within an award course, which requires the completion of a program of study specified by the course rules for the particular stream, in addition to the core program specified by the course rules for the award course. Students enrolled in award courses that involve streams will have the stream recorded in their enrolment record. Students normally enter streams at the time of admission, although some award courses require students to enrol in streams after the completion of level 1000 units of study. Where permitted to do so by faculty resolution, students may transfer from one stream to another, within an award course, provided they meet criteria approved by the Academic Board on the advice of the faculty concerned. A stream will appear with the award course name on testamurs - eg, Bachelor of Engineering in Civil Engineering (Construction Management). (See also *Award course, Major, Minor.)*

Student ID card

All students who enrol are issued with an identification card. The card includes the student name, SID, the course code, and a library borrower's bar code. 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 identifier (SID)

A 9-digit number which uniquely identifies a student at the University.

Student load

See *Load.*

Study Abroad Program

A scheme administered by the International Education 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 - eg, 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'.

Summer School

See *Sydney Summer School.*

Supervising faculty

The supervising faculty is the faculty which has the responsibility for managing the academic administration of a particular course - ie, 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 at any given time. Further, in the case where one course is jointly offered by two or more faculties (eg, the Liberal Studies course) a joint committee may make academic decisions about candidature and the student may be assigned a. supervising faculty for administration.

The International Office has a supporting role in the administration of the candidatures of international students and alerts the supervising faculty to any special conditions applying to these candidatures (eg, that enrolment must be full-time). (See also *Board of studies.)*

Supervision

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 position. (See also *Advisor, Associate supervisor, Instrumental supervisor (teacher), Research supervisor.)*

Supplementary examinations

Supplementary exams may be offered by faculties to students who fail to achieve a passing grade or who were absent from assessment due to illness or misadventure.

Suppression of results

Results for a particular student can be suppressed by the University for the following reasons:

- the student has an outstanding debt to the university
- the student is facing disciplinary action.

Suspension

See *Course leave.*

Sydney Summer School

Sydney Summer School is a program of accelerated, intensive study running for approximately 6 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 are full fee-paying and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Teaching department

See *Department.*

Temporary address

Students may advise the University of a temporary address. Correspondence will be sent to this address between the dates specified by the student. (See also *Addresses, Business address, Permanent home address, Semester address.)*

Testamur

A testamur is a certificate of award provided to a graduate usually at a graduation ceremony.

Thesis

A thesis is a major work that is the product of an extended period of supervised independent research. 'Earliest date' means the earliest date at which a research student can submit the thesis. 'Latest date' means the latest date at which a research student can submit the thesis.

Timetable

Timetable refers to the schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

See Academic transcript.

Transfer

See *Course transfer.*

Tuitionfees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

UAC

The Universities Admissions Centre (UAC) receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing undergraduate students at the University apply through UAC.

UAC admissions

Most local undergraduates (including local undergraduate fee payers) apply through the Universities Admission Centre (UAC). The University Admissions Office coordinates the processing of UAC applicants with faculties and departments and decisions are recorded on the UAC system. Applicants are notified by UAC and an electronic file of applicants who have been made offers of admission to courses at the University is loaded onto FlexSIS. (See also *Admission, Direct admissions.)*

UAI (Universities Admission Index)

The Universities Admission Index (UAI) is a number between 0.00 and 100.00 with increments of 0.05. It provides 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.

Undergraduate

A term used to describe a course leading to a diploma or bachelor's degree. An 'undergraduate' is a student enrolled in such a course.

Unit of study

A unit of study is the smallest stand-alone component of a student's course that is recordable on a student's transcript. Units of study have an integer credit point value, normally in the range 3-24. Each approved unit of study is identified by a unique sequence of eight characters, consisting of a four character alphabetical code which usually identifies the department or subject area, and a four character numeric code which identifies the particular unit of study. Units of study can be grouped by subject and level. (See also *Core unit of study, Course, Major.)*

Unit of study enrolment status
The enrolment status indicates whether the student is still actively attending the unit of study (ie, currently enrolled) or is no longer enrolled (withdrawn or discontinued)

Unit of study group
A grouping of units of study within a course. The units of study which make up the groups are defined within FlexSIS.

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 students qualified for the award of an undergraduate Honours degree or some master's degrees, whose academic performance is judged outstanding.

UPA
University Postgraduate Award.

USYDnet
USYDnet is the University of Sydney's intranet system. In addition to the customised MyUni service, 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. (See also *MyUni.)*

Variation of enrolment
See Enrolment variation.

Vice-Chancellor
The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor is head of both academic and administrative divisions.

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.)

Weighted average mark (WAM)
The Weighted Average Mark (WAM) is the average mark in the unit of study completed, weighted according to credit point value and level. The formulae used to calculate the WAMs are course-specific: there are many different WAMs in the University.

Year of first enrolment (YFE)
The year in which a student first enrols at the University.

Youth Allowance
Youth Allowance is payable to a full-time student or trainee aged 16-24 years of age; and 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. Youth Allowance replaces AUSTUDY.

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2521A = BACH 2021
2521B = BACH 2022
2521C = BACH 2023
2521D = BACH 2024
2521F = BACH 2026
2521G = BACH 2027
2521H = BACH 2028
2521M = BACH 2033
2521N = BACH 2034
2521P = BACH 2036
2521Q = BACH 2037
2521R = BACH 2038
2521S = BACH 2039
2521T = BACH 2040
2521U = BACH 2041
2521V = BACH 2042
2521W = BACH 2043
2521Y = BACH 2124
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25229 = REHB 2005
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25232 = REHB 2008
25267 = BACH 2091
25278 = BACH 2102
25285 = BACH 2109
25289/25289X = BACH 2113
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25291/25291X = BACH 2115
25292 = BACH 2116
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252A0 = BACH 2125
252A1 = BACH 2126
252A2 = BACH 2127
252A3 = BACH 2128
252A4 = BACH 2129
252A6 = BACH 2131
252A7 = REHB 2009
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252B0 = REHB 2012
252B1 = REHB 2013
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25307 = REHB 3002
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29315 = BHSC 3015
29316 = BHSC 3016
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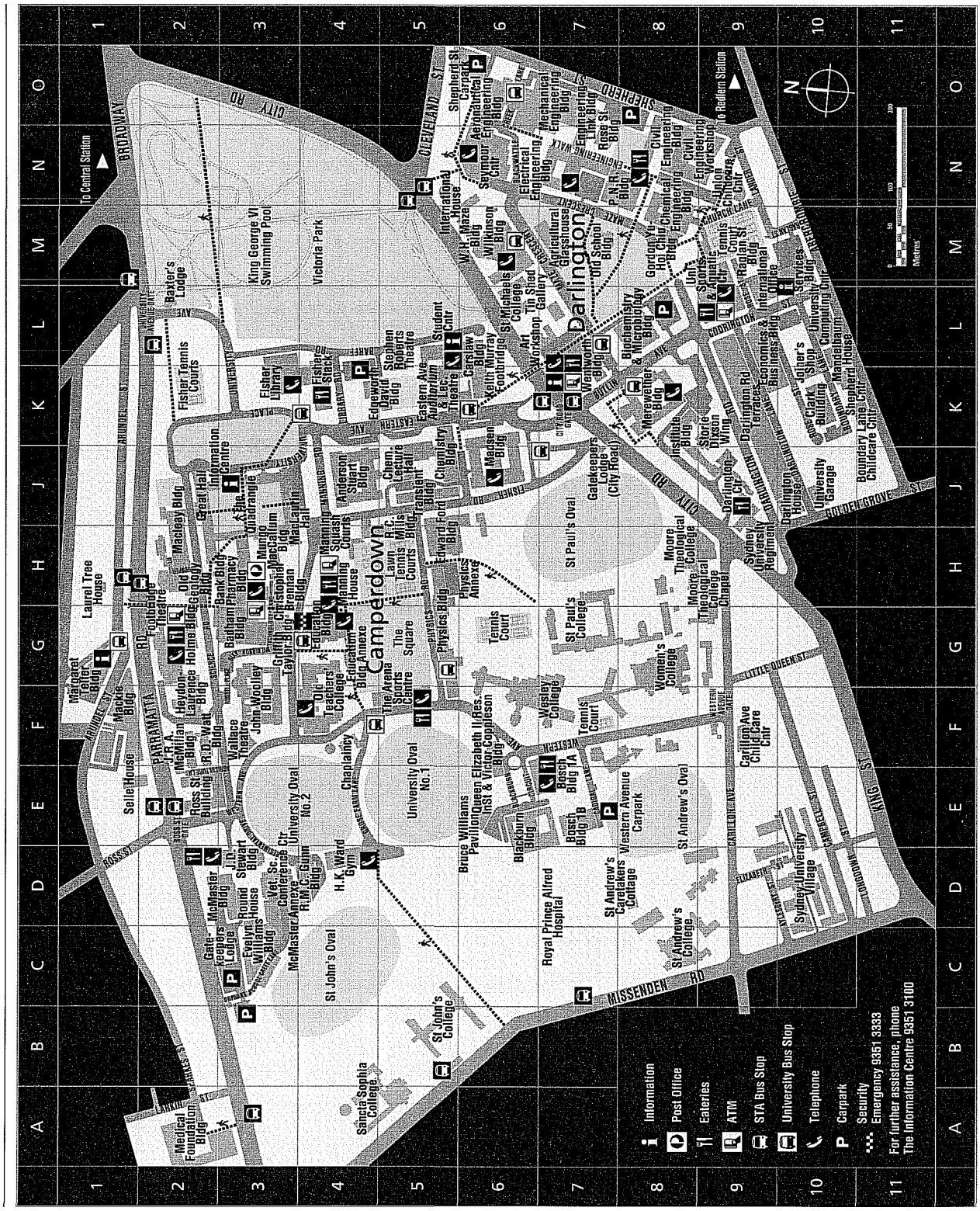
29402 = BHSC 4002
29405 = BHSC 4003
29406 = BHSC 4004

Camperdown campus map



University Buildings

06 Aeronautical Engineering Building
J4 Anderson Stuart Building
L7 Art Workshop
G3 Badham Building
H3 Bank Building
L2 Baxter's Lodge
L8 Biochemistry and Microbiology Building
E6 Blackburn Building
E7 Bosch Building IA
E7 Bosch Building IB
E6 Bruce Williams Pavilion
L6 Carslaw Building
F4 Chaplaincy
M8 Chemical Engineering Building
J5 Chemistry Building
H3 Christopher Brennan Building
N8 Civil Engineering Building
N9 Civil Engineering Workshop
K10 Clark Building
J9 Darlington Centre
JIO Darlington House
K9 Darlington Road Terraces
K5 Eastern Avenue Auditorium & Lecture Theatre Complex
L9 Economics and Business Building
K4 Edgeworth David Building
G4 Education Building
G4 Education Building Annexe
H5 Edward Ford Building
N7 Electrical Engineering Building
N7 Engineering Link Building
C3 Evelyn Williams Building
K3 Fisher Library
K4 Fisher Library Stack
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
K8 Institute Building
N5 International House
F2 JRA McMillan Building
D3 JD Stewart Building
F3 John Woolley Building
Fl Mackie Building
H3 MacLaurin Hall
H2 Macleay Building
Gl Margaret Telfer Building
J6 Madsen Building
H4 Manning House
ro H4 Manning Squash Courts
tS D3 McMaster Annexe
D3 McMaster Building
06 Mechanical Engineering Building
A2 Medical Foundation Building
K8 Merewether Building
H3 Mungo MacCallum Building
H2 Old Geology Building
M7 Old School Building
F4 Old Teachers' College
H3 Pharmacy Building
H6 Physics Annexe
G5 Physics Building
N8 PNR Building
E6 Queen Elizabeth II Research Institute
H5 RC Mills Building
F2 RD Watt Building
D4 RMC Gunn Building
M9 Raglan Street Building
N7 Rose Street Building
E2 Ross Street Building
F2 Science Road Cottage
El Selle House
M10 Services Building
N6 Seymour Centre
K10 Shepherd Centre
06 Shepherd Street Carpark
L5 Stephen Roberts Theatre
K9 Storie Dixson Wing
F5 The Arena Sports Centre
J3 The Quadrangle
J5 Transient Building
L10 University Computing Centre
JIO University Garage
M9 University Sports & Aquatic Centre
D3 Veterinary Science Conference Centre
E6 Victor Coppleson Building
F3 Wallace Theatre
K7 Wentworth Building
E7 Western Avenue Carpark
M6 WH Maze Building
M6 Wilkinson Building

Academic Colleges (offices)

H5 Health Sciences
F4 Humanities and Social Sciences
N8 Sciences and Technology

Childcare Centres

K1l Boundary Lane
F9 Carillon Avenue
III Laurel Tree House
N9 Union

Colleges & Residential Accommodation

JIO Darlington House
K9 Darlington Road Terraces
N5 International House
K10 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
El Selle House
D10 Sydney University Village
F7 Wesley College
G8 Women's College

Computer Access Centres (ITS)

L6 Carslaw
G4 Education
K3 Fisher
N7 PNR

Cultural Venues

G2 Footbridge Theatre
H2 Macleay Museum
H3 Nicholson Museum
N6 Seymour Centre
K7 Sir Hermann Black Gallery
L6 Tin Sheds Gallery
H2 War Memorial Art Gallery

Faculties (offices)

E2 Agriculture
L6 Architecture
H3 Arts
J8 Economics & Business
G4 Education
N7 Engineering
H5 Medicine
G3 Pharmacy
K6 Science
D3 Veterinary Science

Libraries

L6 Architecture
G3 Badham
K8 Biochemistry
H5 Burkitt-Ford
J5 Chemistry
F4 Curriculum Resources
M7 Engineering
K3 Fisher
K4 Geosciences
K6 Mathematics
D7 Medical
N6 Music
H3 Pharmacy
H6 Physics
H5 Schaeffer Fine Arts

Retail

H3 Australia Post Office
H3 Bank Building
J9 Darlington Centre
G2 Holme Building
H4 Manning House

The University of Sydney

Cumberland Campus

East Street, PO Box 170, Lidcombe 1825
Telephone (02) 9351 2222 Fax (02) 9351 9977

KEY

A Campus Manager's Office
Continuing Professional Education
Education Connections
Faculty Office
Finance/Cashier
Personnel Services
Property Services Division
Purchasing
Student Administration Services
Student Counsellor
Student Welfare Services

B Teaching Rooms – Level 0
Information Technology Services
Open Access Computer Laboratories – Level 1

C FitAbility Programs (Exercise and Sport Science)
Health Clinic
Rehabilitation Research Centre

D Australian Stuttering Research Centre

E Lecture Theatre/Auditorium

F Food Services Canteen/ Credit Union

G Behavioural and Community Health Sciences

H Exercise and Sport Science/ Biomedical Sciences Laboratories

J Occupation and Leisure Sciences – Levels 0, 1 and 2

K Exercise and Sport Science

L Anatomy and Physiology Laboratories

M Medical Radiation Sciences – Levels 0, 1 and 2
National Centre for Classification in Health – Level 5
Occupation and Leisure Sciences Specialist Areas – Levels 3 and 4

N Teaching Rooms and Physiotherapy Research

O Physiotherapy

Q Ngallia Child Care Centre

R Production Services and Central Store
Health Sciences Library – Levels 1 and 2

S Biomedical Sciences – Level 2
Communication Disorders Research and Treatment Clinics – Level 1
Communication Sciences and Disorders – Level 1
Physiotherapy Specialist Areas – Level 2

T Teaching Rooms – Levels 1 and 2
Applied Vision Sciences – Level 3
Health Information Management – Level 3
Yooroang Garang – Level 4

U Student Guild, JDV Cafe, Service Centre, Co-op Bookshop

V Guild Sports Centre

W Building and Grounds Workshop

Y Yannadah (Student Residence)