The University of Sydney

# Faculty of Health Sciences Handbook 2004

# Faculty dates

### Health Sciences semester and vacation dates 2004

| | |
|---|---|
| *Summer School* | |
| Lectures begin | Monday 5 January |
| Lectures ends | Saturday 21 February |
| *Semester 1* | |
| Lectures begin | Monday 1 March |
| Easter recess: | |
| Last day of lectures | Thursday 8 April |
| Lectures resume | Monday 19 April |
| Study vacation: 1 week beginning | Monday 7 June |
| Examinations commence | Monday 14 June |
| Lectures end | Saturday 26 June |
| *Semester 2* | |
| Lectures begin | Monday 9 August |
| Mid-semester recess: | |
| Last day of lectures | Friday 24 September |
| Lectures resume | Tuesday 5 October |
| Study vacation: 1 week beginning | Monday 15 November |
| Examinations commence | Monday 22 November |
| Lectures end | Saturday 4 December |

### Last dates for withdrawal or discontinuation 2004

| | |
|---|---|
| *Semester 1 units of study* | |
| Last day to add a unit | Wednesday 31 March |
| Last day for withdrawal | Wednesday 31 March |
| Last day to discontinue without failure (DNF) | Friday 23 April |
| Last day to discontinue (Discontinued – Fail) | Friday 4 June |
| *Semester 2 units of study* | |
| Last day to add a unit | Tuesday 31 August |
| Last day for withdrawal | Tuesday 31 August |
| Last day to discontinue without failure (DNF) | Friday 24 September |
| Last day to discontinue (Discontinued – Fail) | Friday 12 November |
| *Full Year units of study* | |
| Last day for withdrawal | Wednesday 31 March |
| Last day to discontinue without failure (DNF) | Friday 6 August |
| Last day to discontinue (Discontinued – Fail) | Friday 12 November |


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The information in this handbook is subject to approval and/or change by the appropriate faculty of the University. Students should always check the accuracy of the information with faculty staff.


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# Message from the Dean

Welcome to the Faculty of Health Sciences.

The Faculty has unique strengths in teaching, professional practice and research scholarship – each informing the other. Consequently, the Faculty enjoys an enhanced and growing reputation for excellence in the education and training of health professionals both in Australia and overseas. Studying here provides you with the opportunity to become a highly valued professional, particularly as the Faculty works closely with practitioners and their professional associations.

The Faculty continually reviews, improves and expands the range of its courses to cater specifically for the needs and interests of students and the rapidly developing professions within the health sciences sector. As part of The University of Sydney, we have leading international researchers who provide knowledge underpinning advances in evidence-based practice. The teaching and research expertise of academic staff in this Faculty is much sought after both nationally and internationally. The combination of these elements ensures that you will have a dynamic and stimulating learning environment.

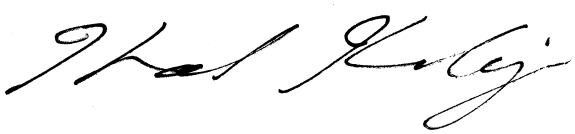
Staff in the Faculty are committed to assisting your progress throughout your academic program. If you encounter any difficulty, then I encourage you to take full advantage of the wealth of support available to every student. Advice is readily available from staff in your School, Student Welfare Services, Student Administration and the Cumberland Student Guild. A range of dedicated support services are provided by the staff of Yooroang Garang, our School of Indigenous Health Studies, for Aboriginal and Torres Straight Islander students. Also I encourage you to make enquiries about the many useful on-campus training sessions offered by the Health Sciences Library.

As an undergraduate student, you may find that suddenly you have a number of competing priorities. It is important for you to realize that your learning experiences and coping with them will be essential in your development as an individual in the community and as a professional in your chosen field.

For those of you who are postgraduate students, I extend my congratulations on your previous success. Whether you have enrolled in one of our many coursework programs, or have returned to further your knowledge through a research degree, I am confident that your time here will be enjoyable and worthwhile.

During your time studying here I hope that you take advantage of the opportunity to make life-long friendships with the people you meet. Your learning experiences will be much richer if you can complement your busy schedule of academic activities with some social, cultural and sporting activities.

Finally, may your academic, personal and professional journey through 2004 be truly rewarding.



Professor Hal Kendig, Dean

# Introduction

This handbook is the official guide to the 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 2004 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
- Sexual Health
- Speech-Language Pathology
- Speech Pathology
- Sports Physiotherapy
- Stuttering
- Vision Impairment

# Use of this handbook

This handbook consists of three sections: undergraduate course information, postgraduate course information, and common information sections.

- undergraduate (green) section comprises chapters 6 to 18. Users will also be able to find a descriptor of each School in this section.
- postgraduate (cream) section contains chapters 19, 20 and 21, and
- common information (uncoloured) section contains general information relevant to both undergraduate and postgraduate students.

### Course outlines

The course outline tables in a school chapter set out the required units of study to be undertaken by students in each year of their enrolled course. The Faculty of Health Sciences regularly reviews its courses to keep up with and reflect changing contemporary needs in allied health sciences. As a result, there may be one or more course outline tables presented concurrently under a course.

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 2004 or 2005' 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 sets out at the end of each School chapter follows the course outline tables in alphabetical order by unit code (eg, BACH 1152). Details of units such as description of content, credit points, semester offered, assessment (see explanation below) for the units offered in each relevant course are provided 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 22.

### 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. A sixth alphabetical character indicates that the unit is offered by off-campus mode (eg 25765X).
**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.
**Semester**: 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.
**Qualifier**: 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.

ORTH 8765 **Clinical Project**
Old code 14765. 3 credit points. Dr Smith. **Semester**: 2 **Classes**: On campus. **Prerequisite**: Developing a Research Project BACH 7654 (25765/25765X). **Corequisite**: Professional Practice IV ORTH 8747 (14747). **Qualifier**: Research Project ORTH 6543 (14654) **Assumed knowledge**: Principles of research project design. **Assessment**: report and final examination.
*NB: Student places are limited.*
In this unit students will carry out a structured clinical exercise in collecting orthoptic data, collating it, and writing a scientific report.
**Practical**: 2 days fieldwork
*Textbooks*
Unit reference manual will be issued at commencement of semester.

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: Professor Beth Reid

### 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: Dr Jennifer Cox

### School of Occupation and Leisure Sciences

Phone: (02) 9351 9386
Fax: (02) 9351 9197
Email: olsinfo@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
Acting Head of School: Associate Professor Elaine Cornell

### 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

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## School of Applied Vision Sciences

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Margaret Smith

## School of Behavioural and Community Health Sciences

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*Associate Head of School*
Robert C Heard, BA PhD
*Associate Professors*
Lynne M Harris, BSc PhD *UNSW*
Dianna T Kenny, MA PhD *Macq* DipEd *SydTeachColl* BA ACTL *TrinityCollegeLond*
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*
Syeda Zakia Hossain, MA *Dhaka* MA *ANU* PhD *Qld*
Ian Hughes, BSocStud MDevStud *Deakin* PhD
Mairwen Jones, BA PhD, RN RPN
Chris J Lennings, BA MPsychol PhD *Macq*
Kate M O'Loughlin, BA *Macq* PhD
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(HlthStud) *SCAE* DipEd *UNSW*
Ann Hale, BA *Macq*
Trevor K Hawkins, MS *S'Ill* GradDipRC *Cumb* BA
Michael Hough, BSc*W Aust* PhD *ANU* DipSocSc *NE*
Lynda Matthews, BHlthSc(RC) PhD
Dennis McIntyre, BA *N'cle(NSW)* DipTeach *N'cle CAE*
Liselott E Muhlen-Schulte, BA MA DipPsyc PhD
Victoria Neville, BSc MA *UNSW* GradDipPhty *Cumb*
Carol O'Donnell, BA *Qld* MEd PhD *Macq* DipEd *Qld*
Karen Pepper, MA *W'gong* BA
*Associate Lecturers*
Rose Leontini, BA
Rosemary A Pynor, BSc *LaT*
*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*
*Senior Lecturers*
Laura C Batmanian, BSc PhD *Melb*
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 *UNSW* DipPhty 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, BSc *Qld* MBA PhD *UTS*
Ponnambalam Sivanandasingham, MB BS *Ceyl* PhD *Lond*
Gilbert J Vella, BSc PhD *UNSW* DipEd *STC*
Patricia Weerakoon, MB BS *Ceyl* MS *Hawaii* MHPEd *UNSW*
Patricia D C Woodman, MSc PhD
*Lecturers*
Ian Cathers, BSc MBiomedE PhD *UNSW* DipEd *SydTechColl*
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*
Catherine Willis, MSc *UNSW* DipPhty *Cumb* DipTertEd *NE*
*Associate Lecturers*
Jan Douglas-Morris, BSc MHPEd *UNSW* GradDipPhty *Cumb*
*Honorary Research Associates*
Mark Anns, BAppSc *WAIT* MBA *UTS* GradDipPsych *WAIT*
Ronald J Balnave, BSc PhD *UNSW*
Stanley B Barnett, BSc *Lond* MScPhD *UNSW*
Philip Beale, MBBS *UNSW* PhD *Lond*
Elizabeth A Bishop, BSc MSc PhD
John Brown, MSc *W'gong* DipTech *SydTechColl* GradDipEdStud *Camb*
Katherine Brown, MBBS MSc *W'gong*
James Chin,PhD *Qld*
Edward S G Hettiaratchi, MB BS Ceyl PhD *Edin* AMC *Canb*
Deepika Mahajan, MSc *Gndu* MPhil PhD *PU*
Brett McCann, BSocSc *N'cle (NSW)* GradDipSexHlth *ACSHP and ASSERT*
Hoang Tran-Dinh, MD *Siagon* DipAnat *ASANZ* AMC *Canb,*
Craig Suann *BVSc*
May B E Wong, MSc *NE* MHPEd *UNSW* DipED *UNSW* DipTertEd *NE*
Yesley Yee, MMed
*Laboratory Manager*
Louise Hayes, BSc *Macq* MAppSc *UTS*
*Technical Staff*
Gautham Jayachandran, BSc *UNSW*
David Lockwood, BSc *Macq*
Tuyet Nguyen, BSc *Saigon*
Dianne Borg
Janelle Parbery
*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
*Lecturers*
Elise Baker, BAppSc PhD
Linda S Hand, BA *Cant* MA *Iowa* DipT(SpTher) DipEd *Auck*
Belinda Kenny, MAppSc
Patricia McCabe, BAppSc PhD
Alison A Purcell, MAppSc *Cumb*
Christine Sheard, MAppSc *Cumb*
Leanne Togher, BAppSc *Cumb* PhD
*Clinical Educators*
Teena Caithness, BAppSc *La Trobe*
Suzi Drevensek, BAppSc
Geraldine Katz, BA (Sp&HTherapy) *Witwatersrand*
Lyndall Menz, BAppSc
Carl Sokkar, BAppSc
Julia Starling, BAppSc
Donna Thomas, BAppSc
*Honorary Research Associates*
Bruce Baker
Jean Callaghan, MA PhD *WSyd*
Phillip Dermody, BSc M.CommDis *Northwestern* PhD *UNSW*
Jan van Doorn, BSc *Adel* PhD *UNSW*
Anthony Hogan, BA *UWS* MSc Hons *W'gong* PhD *Macq*
David M Howard, BSc *Eng* PhD *Lond*, FIEE MAES
*Honorary Teaching Associates*
Teresa M Anderson, BAppSc *Cumb* PhD *Macq*
Jacqueline Roberts, BA *Cant* BAppSc *Cumb* BA PhD *Macq* GradDip *CCTeachColl*
*Honorary Clinical Associates*
Alison Anderson, BAppSc *Cumb*
Maria Berarducci, BAppSc *QLD*
Linda Clarke, BAppSc
Belinda Crofts, BAppSc *Cumb*
Kerry Ann Gilsenan, BAppSc *Cumb* BA DipEd *SydTeachColl*
Bronwyn Hemsley, BAppSc *Cumb*
Mary Yong Ai Hua, BAppSc *Cumb*
Monika Kaatzke-McDonald, BAppSc *Cumb* MAppSc
Jennifer Lawrie, BA *Macq* BAppSc *Cumb*
Valerie Lim, BSpPath MAppSc *La Trobe*
Eva Nemeth, BAppSc *Cumb* DipMusic *NSWConsMusic*
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*
*Administrative Manager*
Mary Routledge
*Administrative Assistants*
Helen Inns
Tawsik El-Gazzar

## School of Exercise and Sport Science

*Head of School*
Margaret Torode, BAppSc *PhilipIT* MSc PhD *Oregon* GradDip *Deakin*, FASMF
*Associate Professors*
Nicholas O'Dwyer, MA *Dublin,*PhD *UNSW*
Richard M Smith, BSc *UNSW* MSc *Macq* MEd *Manc* 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*
Helen T O'Connor, BSc *UNSW* DipND PhD
Rhonda Orr, BPharm MEx&SpSc
Jacqueline Raymond, BAppSc *W'gong* PhD
Kieron Rooney, BSc 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 Patton, BiolTech(HCert) *STC*
Patricia A Ruell, BSc
Timothy J Turner, BAppSc *NSWIT* MAppSc *UTS*
*Administrative staff*
Lyndall M Burke

## School of Health Information Management

*Professor and Head of School*
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
*Senior Lecturer*
Joanne Callen, BA *UNSW* MPH(Research) DipEd
*Lecturers*
Michelle Bramley, BAppSc(HIM)
Janelle Craig, BAppSc(MRA) *Cumb* MCom *UNSW*
Aditi Dey, MBBS *Delhi* DTM&H MPH *Mahidol* GradDipAppSc(HIM) *Cumb* MPH
Joe Huang, MBBS *Sun Yat-Sen* Dip of Computing *BusinessCollNSW* GradDipHIM PhD
Angelika Lange, Dipl Psych MA(InfSc) *FU Berl*
Basema Saddik, BAppSc(HIM) MPH *UNSW*
Margaret Williamson, GradDipAppEpi *UNSW* BPharm MPH
*Research staff*
Jean McIntosh
*Administrative staff*
Jane Alanthwaite
Anastasia Aligiannis
Sheree Crick
Anne Marks, AssDipMRA *Cumb* GradCertHlthSc(Ed)

## School of Medical Radiation Sciences

*Head of School*
Jennifer Cox, BA *Macq* PhD *ARMIT*, MIR
*Professor and Chair of Medical Radiation Sciences*
Richard Banati, MD PhD *Mainz* Appointed 2004
*Senior Lecturers*
Jill Clarke, DipAppSc GradDipAppSc *RMIT* DMU *ASUM* BAppSc MHlthScEd AMS
Simon Cowell, BEd *SCAE* MEd *UTS* AssDipAdultEd *SCAE* CertNMT *STC* PhD
Alastair Davison, BSc PhD *Melb*
Ann Poulos, BA DipEd *Macq* DipRad *UK* PhD
*Lecturers*
Edwina Adams, CertNucMed *STC* MAppSc
Cherry Agustin, BAppSc MPH *UNSW*
John Atyeo, BA *UTS* BSc *Macq* AssDipRadTech *SAIT* MHlthScEd

Dale Bailey, MAppSc *UTS* PhD *Surrey* ARCP *Lond* CertNucMed *STC*
Rachael Beldham-Collins, BAppSc *N'cle(NSW)* MHlthScEd
Edward Caruana, BAppSc *Cumb* BAppSc MEd AssDipMedRad *STC* GradDip Mgt *UTS*, RN FCN FIR
Barrie Egerton, BSc *Wales* MSc *Salf*
Nikki Field, BAppSc MHlthScEd
Jane Fonda, BAppSc CertRad *RMIT* DMU *ASUM* AMS
Peter Kench, BAppSc GradCertHlthScEd
Elisabeth Kilburn-Watt, BSc BA *York* MA *Macq*
Sarah Lewis, BAppSc
Danielle Milinkovic, BAppSc MHlthScEd
Craig Opie, BAppSc(MR) DipRM GradDipAdEd(VET)
Warren Reed, BSc(AppRad) *SBank* PGCertTLHE *Kingston*
John Robinson, CertRad *STC* BAppSc
Lucy Taylor-Turner, BAppSc(MI) *CSU* GradDipHlthSc (MedSono) AMS MIR

*Associate Lecturer*
Jocelyn Barnes, BAppSc GradCertHlthScEd

*Postgraduate Coursework Administrator*
Kerrie McLean, BEd *UTS* GradCertEd, MCES

*Assistant to Head of School*
Hong Wu

*Technical Officers*
Eric Guthrie
Graeme Roberts

## School of Occupation and Leisure Sciences

*Head of School*
Jane E Gamble, BAppSc(OccTher) *Lincoln* MHPEd *UNSW*

*Professor and Sesquicentenary Chair of Occupation and Leisure Sciences*
Gwynnyth M Llewellyn, BA Med DipContEd *NE* DipOT PhD
Appointed 2002

*Professor and Chair of Occupation and Leisure Sciences*
Anita Bundy, BSc(OT) *WMich* MSc ScD(Therapeutic Studies) *Boston,* OTR FAOTA
Appointed 2002

*Honorary Professor*
Susan Esdaile, PhD *Wayne*, MAPS OTR SROT
William C Mann, BS *Rutgers* MS(OT) *Viginia* PhD *Buffalo* OTR

*Honorary Associate Professor*
Colleen Mullavey-O'Byrne, MA *Macq* DipOT, ATCL

*Senior Lecturers*
Lynne Adamson, BAppSc(OT) *Lincoln* MAppSc(OT) GradCertUnivTeach&Learn *CSturt*
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) *UNSW* PhD *W'gong* GradDip(AppBehSc) *Cumb*
Eveline J Innes, BAppSc(OT) *WAIT* MHPEd *UNSW* PhD *Curtin*

*Lecturers*
Ruth O Beltran, BSOT MA *UP,* OTRP
Catherine E Bridge, BAppSc(OT) *Cumb* MCogSc *UNSW*
Philip W Chan, MAppSc *Curtin* DipOT TDipCOT *Brit* RN
Moy Dibden, DipOT *York* MHlthScEd
Michelle Donelly, BAppSc *Cumb* MA PhD *Macq*
Anne M Hillman, BAppSc(OT) *WAIT* MAppSc(OT)
Norm Kelk, BA BSW *Qld* PhD *UNSW*
Brett O'Neill, BAppSc (OT) *Cumb* MA *Macq* DipRM
Judy L Ranka, BSc(OT) *WMich* MA *Macq*, OTR
Kirsty Stewart, BAppSc(OT) *Cumb* MAppSc(OT)
Kirsty Thompson, BAppSc (OT) Cumb
Robyn L Twible, MA *Macq* DipOT

*Associate Lecturers*
Mironne Golan, GradDip(CFT) *UNSW* BAppSc(OT)
Nicola Hancock, BAppSc(OT) *Cumb*
Jo Ragen, BA(LS) MM *UTS*
Peter Williamson, BAppSc(OT) *Cumb*

*ARC Post-Doctoral Fellow and Research Manager*
David McConnell, BAppSc(OT) PhD

*Post Graduate Fellows*
Kylie Bootes, BAppSc(OT) *Cumb*
Katherine Gray, BSW *UNSW*

*Research Assistant to Sesqui Chair*
Marian Dearn, BSW *UNSW* MMgt(Cty) *UTS* GCert TESOL *Macq*

*Research Assistant to Chair of Occupation and Leisure Sciences*
Rebecca Johinke, BA *Flin,* BA PhD *Adel* GradDipBus *SAust*

*Research Fellows*
Angela Dew, BA *Auck*
Rebecca Grace, BA(Psych) PhD
Alison Wicks, MHlthSc(OT)

*Honorary Associates*
Danielle Lord, BAppSc(OT)

*Driver Rehabilitation*
Trinity Glendenning, BAppSc(OT) *Cumb*
Lynnette G Kay, BOccThty *Qld*
Anthea Rogers, BOccTh BA *Qld*

*Secretary*
Elizabeth C Conyard

*Fieldwork Administration Officer*
Ruinga Matiu

*Graduate Development Officer*
Catherine Maramara, BAppSc(L&H) *Cumb* EN

*Resource Officer*
Marilyn Duncan

*Secretary to the Head of School*
Catherine O'Keeffe, BA *NE*

*Stores Manager*
Maree Schell

*Undergraduate Officer*
Sharon Woods

## School of Physiotherapy

*Associate Professor and Head of School*
Jack Crosbie, MSc PhD *Strath* GradDipPhys *Glas* DipTP *Edin*

*Professor*
Joy Higgs, BSc MHPEd PhD *UNSW* GradDipPhty *Cumb*
Appointed 1994
Kathryn M Refshauge, MBiomedE PhD *UNSW* DipPhty GradDipManipTher *Cumb* Appointed 2003

*Associate Professor*
Christopher Maher, BAppSc GradDipAppSc(ManipPhty) GradDipAppSc(ExSS) *Cumb* PhD

*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
Colleen G Canning, BPhty *Qld* MA *Col* PhD
Catherine Dean, BAppSc(Phty) *Cumb* MA *Col* PhD
Elizabeth R Ellis, BSc *UNSW* MSc *Boston* MHL PhD GradDipPhty *Cumb*
Robert D Herbert, BAppSc(Phty) *Cumb* MAppSc PhD *UNSW*
Sharon L Kilbreath, BScPT *Qu* MCISc *WOnt* PhD *UNSW*
Jane Latimer, BAppSc(Phty) *Cumb* PhD GradDipAppSc(ManipPhty)

*Lecturers*
Wendy Annable, BAppSc(Phty) *Cumb* GradDipBiomedE *UNSW*
Robert A Boland, BAppSc PhD GradDipAppSc(ManipTher) *Cumb*
Jane Butler, MEd *UNSW* DipPhty *Auck* GradDipAppSc(PaedPhty) *Cumb*
Genevieve Dwyer, BAppSc(Phty) *Cumb* GradCert(AdultEd) *NE* GradDipAppSc(PaedPhty-Hydro) *Curtin* MAppSc(Phty)
Sharon Faulkner, BAppSc(Phty) *Cumb*
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* PhD GradDipPhys *Lond* GradDipPaedPhty *Cumb*
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)
Mark Stewart, BAppSc(Phty) MPH(Hons) Grad Cert(Ed)
Karyn Whelan, BAppSc(Phty) *Cumb* MAppSc (Phty)
Vicki K Williams, BAppSc(Phty) Cumb MEd UNSW
*Associate Lecturers*
Mark Hancock, BAppSc(Phty)
Andrew Leaver, BAppSc(Phty) *Cumb* GradDipAppSc(ManipPhty)
Nia Luxton, BSc(Phty) *Ulster*
Jan Naughton, BA *ANU* BAppSc(Phty) *Cumb* GradDip(SptMed) *Lond*
Trudy Rebbeck, BAppS(Physio) MAppSc(ManipPhysio)
*Academic Program Administrator*
Chamreun Cheen, BSc BCA *Well*

### Yooroang Garang: School of Indigenous Health Studies

*Associate Professor and Acting Head of School*
Elaine D Cornell, MA *Macq* DipAppSc *Cumb* DOBA
*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
Shane Merritt, BA *NE* MA(Psych)
Susan Page, BA *UNSW*, RN CM
Miranda Rose, BN NE MPHC *Flin*, RN
Vhoyt Losberg, BA *JamesCook* MBehHlthSc
*Associate Lecturer*
Marie Taylor, BSc *NZ*
*Technical staff*
Andrea Andreou
*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*

#### Classification Support and Development Division

*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 Doyle, BBus(HlthAdmin) *QUT*
Karyn Chen, BAppSc(HIM)
Megan Cumerlato, BAppSc(HIM)
Terry Dymmott, BHlthSc *Flinders*
Lisa Richmond, BAppSc(HIM)
Julie Rust, BAppSc(HIM)
Patricia Saad, BAppSc(HIM)

#### Quality and Education Division

*Acting Quality and Education Manager*
Shannon Hewlett, BAppSc(MRA) *La Trobe*
*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*
*Sales and Distribution Coordinator*
Catherine Stanhope

#### Administration

*Office Manager*
Tina Stanhope
*Administrative Assistants*
Dana Merrin
Imelda Noti

### 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
*FlexSIS Implementation Manager*
Gerard Bautista, BSc(BusAdm) MBA(IT) *DeLaSalle*
*Project Manager*
Graeme Martin

#### Building and Grounds Division

*Manager*
Phillip Sorbello
*Project Manager*
John Sommers
*Senior Works Supervisor*
Andy Galloway
*Grounds Manager*
Farid Payenda

### Financial Services Division

*Campus Accountant*
Mai Hartley, BBus *NSWIT,* CPA
*Finance Officer*
Margaret Frost
*Student Finance Officer*
Thy Hoan Tran

#### Information Technology Services Division

*Manager*
Than Naing Chan, BEng(Elect) MSc(CompEngMgt) Assumption
*Network Manager*
Janusz Tydda, MA *Warsaw*
*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*
Donna Pearman
*Campus Services Coordinator*
Linda Thompson

### Purchasing and Stores

*Purchasing Officer*
Greg Gaal

### Printery Services

*Printery Manager*
Dianne Gillespie

### Student Administration Services Division

*Head*
Bharati Jayachandran
*Undergraduate Officer*
Linda Dewar, BA *NE*
*Postgraduate Officer*
Nancy Leong
*Examinations Officer*
vacant
*International Admissions Coordinator*
Roslyn Lane

### Student Welfare Services Division

*Head*
Andrea Chan, MA *NZ* MA *ANU* PhD RSACertTEFLA Grad Cert(HRM) *AustCollAppPsychol* GradDip(MLT) LTCL
*Academic and Communication Skills Tutors*
Rosalie Thomson, BA *NE* LicDip S&D GradDipSC *WSyd* MA GradCertTESOL
Marie Clugston, BA MLitt MA DipContEd *NE* PhD RSA CertTEFL
*Tutor/International Student Advisor*
May Thet Tun, MA *Mandalay* MA(TEM) GradDip *Macq*
*Student Counsellors*
Kathryn Elbourne, BA *UNSW* PhD, MAPS
Angela Griffith, BA *Melb* TSTC *Vic* MPhil *HK*, 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*
Katrina Chaudhary, BA(LIS) *CCAE*, AALIA
Garry Hamilton, BA DipMLib *UNSW,* AALIA
Elaine Y L Tam, BEd *Nott* MLib *UNSW* TeachCert *TeachCollHK*

## Personnel

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

## ■ Cumberland Student Guild

*General Manager*
Andrew Ashwin, BBus GradCert(Sport Mgt) *UTS*
*Manager – Finance and Administration*
Jack Zweig, DipTech&Comm *UTS*, CPA
*Manager - Commercial Operations*
Geoff Price
*Food & Beverage Supervisor*
Marilou Bendian, BSc(Accounting) *PhilippinesSchBusAdmin*
*Executive Chef*
Steven Ung
*Member Services Officer - Retail*
Leonie Walsh
*Member Services Manager - Sport*
Simon James, BAppSc(Sports Admin) *UWS*
*Business Services Officer*
Rebecca Fisher
*Member Services Officer - Administration*
Michele Cotte
*Events Coordinator*
Tim Castle, ExecCert(Event Mgt) *UTS*

# 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 1 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

(Please refer to chapter 24, Resolutions of the Senate for the Constitution of the Faculty of Health Sciences)

## Structure

The Faculty's academic structure comprises ten 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 administrative structure on Cumberland Campus comprises the following 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 Fourth Edition will be published in January 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 Clinical Casemix 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.

# ■ Inter-institutional agreements

The Faculty has developed links with the following institutions:

- Hanoi Medical University, Vietnam
- Hong Kong Polytechnic University, Hong Kong
- Indian Institute of Cerebral Palsy (IICP)
- Massey University, New Zealand
- Ministry of Health, Government of Solomon Islands
- Nanyang Polytechnic, Singapore
- National Healthcare Group and Singapore Health
- Singapore Institute of Management
- Sun Yat-sen University of Medical Sciences, Guangzhou, Peoples Republic of China
- The Chinese Academy of Medical Sciences, Beijing, Peoples Republic of China
- The University of Indonesia, Jakarta, Indonesia
- University of Essex, United Kingdom
- University of Missouri, United States of America
- University of Otago, New Zealand
- University of Philippines System, Philippines

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 course information

## ■ Course enquiries

### Student Administration (Cumberland)

Student Administration (Cumberland), located in the Jeffrey Miller Administration Building (A Block), provides prospective 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 from 9 am to 1 pm and 1.30 to 4.30 pm. The postal address is:

Student Administration (Cumberland)
Faculty of Health Sciences
The University of Sydney
PO Box 170
Lidcombe NSW 1825
Phone (02) 9351 9161, fax (02) 9351 9412
Email:uginfo@fhs.usyd.edu.au (undergraduate)
pginfo@fhs.usyd.edu.au (postgraduate)
intl-info@fhs.usyd.edu.au (international)

## ■ Admission requirements – undergraduate courses

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/fstudent/undergrad/apply/scm/specialentry.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/fstudent/undergrad/apply/scm/hecs.shtml.

### 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 2003 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.

## ■ Admission requirements – graduate courses

Admission criteria are unique for each discipline and differ for each course. Please refer to the relevant school chapter for admission requirements for specific courses.

## ■ 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
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Speech Pathology

***Bachelor of Applied Science (Exercise and Sport Science)/ Bachelor of Science (Nutrition)-combined degree***

***Bachelor of Behavioural Health Science***

***Bachelor of Health Science***

- Aboriginal Health and Community Development
- 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) 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.

### Postgraduate course applications

Information and application forms for the Faculty's postgraduate courses are available from Student Administration (Cumberland) in August each year. or on the following Web site: www.fhs.usyd.edu.au/

The closing date for graduate coursework programs offered by the School of Physiotherapy is 30 September, except for the graduate entry Master of Physiotherapy course which will close on 30 November.

The closing date for all other graduate coursework programs is 30 October. Late applications are accepted and will be considered if vacancies remain.

Applications for graduate research programs close 30 October. Such applications will be processed as soon as possible but offers are dependant on the availability of research places, and commencing students may only enrol before the HECS census date of any semester. All applications for courses commencing in the Second Semester close on 31 May.

### Non-award enrolment for undergraduate and postgraduate students

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 $16,000 for a full-time load 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 for undergraduate and postgraduate students

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 for undergraduate and postgraduate students

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).

## ■ Core knowledge areas – undergraduate courses

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 undergraduate 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:
  $y = mx + b$
  $y = ax^2 + bx + c$
  $y = {}^1x^m$
- 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 Skills

*A one-day preparatory* course will 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 take an elective outside their faculty, 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 5 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 Summer School units are offered by the Faculty of Health Sciences:

AHCD 5039 (07539X) Health Promotion
CSCD 2049 (12297) Introductory Speech Pathology Clinical II
CSCD 3039 (12343) Intermediate Speech Pathology Clinical II

## ■ 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 coordinator.

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 Faculty of Health Sciences awards Honours Grades based upon students' aggregate work within the 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 65% | |

### 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.

# ■ Summary of courses

## Summary of undergraduate diplomas and degrees

| Discipline | Duration | Mode | Course code |
|---|---|---|---|
| ***Bachelor of Applied Science (BAppSc)*** | | | |
| Exercise and Sport Science[1] | 3 years | full-time | 2224 |
| Health Information Management[1] | 3 years | full-time | 0902 |
| Leisure and Health[1] | 3 years | full-time | 1554 |
| Leisure and Health[1] | 6 years | 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] (last intake2003) | 4 years | full-time | 1410 |
| Orthoptics[1] | 4 years | full-time | 1418 |
| Physiotherapy[1] (last intake 2001) | 4 years | full-time | 1652 |
| Physiotherapy[1] (last intake2003) | 4 years | full-time | 1688 |
| Physiotherapy[1] | 4 years | full-time | 1691 |
| Speech Pathology[1] | 4 years | full-time | 1206 |
| ***Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition) Combined Degrees*** | 5 years | full-time | 2228 |
| ***Bachelor of Behavioural Health Science[1] (BBHSc) (last intake 2003)*** | 3 years | full-time | 2576 |
| ***Bachelor of Behavioural Health Science[1] (BBHSc)*** | 3 years | full-time | 2585 |
| ***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[1] (July start) | 1 year | part-time | 2008 |
| Medical Radiation Technology[2] | 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) conversion courses.

## Doctor of Philosophy (PhD) (generic award)

FT: minimum 3 yrs – maximum 4 yrs
PT: minimum 3 yrs – maximum 8 yrs

| Area of study | Course code | Mode | Unit code |
|---|---|---|---|
| Australian Stuttering Research Centre | 2401 | FT | STUT 7002 (24601A) |
| | 2402 | PT | STUT 7003 (24601B) |
| | 2406 | FT OC | STUT 7002 (24601A) |
| | 2405 | PT OC | STUT 7003 (24601B) |
| Behavioural and Community Health Sciences | 2536 | FT | BACH 7005 (25704) |
| | 2535 | PT | BACH 7006 (25705) |
| | 2570 | PT OC | BACH 7006 (25705) |
| | 2583 | FT OC | BACH 7005 (25074) |
| Biomedical Sciences | 1109 | FT | BIOS 7002 (11601A) |
| | 1108 | PT | BIOS 7003 (11601B) |
| | 1121 | PT OC | BIOS 7003 (11601B) |
| | 1126 | FT OC | BIOS 7002 (11601A) |
| Communication Sciences and Disorders | 1211 | FT | CSCD 7002 (12601A) |
| | 1210 | PT | CSCD 7003 (12601B) |
| | 1225 | FT OC | CSCD 7002 (12601A) |
| | 1220 | PT OC | CSCD 7003 (12601B) |
| Exercise and Sport Science | 2202 | FT | EXSS 7002 (22601A) |
| | 2201 | PT | EXSS 7003 (22601B) |
| | 2223 | FT OC | EXSS 7002 (22601A) |
| | 2222 | PT OC | EXSS 7003 (22601B) |
| Health Information Management | 0916 | FT | HIMT 7002 (09601A) |
| | 0912 | PT | HIMT 7003 (09601B) |
| | 0931 | PT OC | HIMT 7002 (09601A) |
| Indigenous Health Studies | 0710 | FT | AHCD 6001 (07601A) |
| | 0711 | PT | AHCD 6002 (07602B) |
| | 0714 | FT OC | AHCD 6001 (07601A) |
| | 0712 | PT OC | AHCD 6002 (07602B) |
| Medical Radiation Sciences | 1825 | FT | MRTY 7002 (18601A) |
| | 1820 | PT | MRTY 7003 (18601B) |
| | 1849 | PT OC | MRTY 7003 (18601B) |
| Occupational Therapy | 1524 | FT | OCCP 7002 (15601A) |
| | 1521 | PT | OCCP 7003 (15601B) |
| | 1537 | PT OC | OCCP 7003 (15601B) |
| | 1559 | FT OC | OCCP 7002 (15601A) |
| Orthoptics | 1415 | FT | ORTH 7003 (14601B) |
| | 1412 | PT | ORTH 7002 (14601A) |
| Physiotherapy | 1618 | FT | PHTY 7002 (16601A) |
| | 1623 - | PT | PHTY 7003 (16601B) |
| | 1682 | FT OC | PHTY 7002 (16601A) |
| | 1655 | PT OC | PHTY 7003 (16601B) |
| Rehabilitation Research | 2301 | FT | REHA 7002 (23601A) |
| | 2302 | PT | REHA 7003 (23601B) |
| | 2306 | PT OC | REHA 7002 (23601A) |

## Doctor of Health Science (HScD) (generic award)

FT: minimum 3 yrs – maximum 4 yrs
PT: minimum 3 yrs – maximum 8 yrs

| Mode | Course code |
|---|---|
| FT | 2601 |
| PT | 2602 |
| FT OC | 2604 |
| PT OC | 2603 |

## Master of Applied Science (MAppSc) by research

FT: minimum 1.5 yrs – maximum 2 yrs
PT: minimum 1.5 yrs – maximum 4 yrs

| Area of study | Course code | Mode |
|---|---|---|
| Behavioural Science | 2538 | FT |
| | 2539 | PT |
| | 2556 | PT OC |
| Biomedical Sciences | 1116 | FT |
| | 1117 | PT |
| | 1120 | PT OC |
| Communication Sciences and Disorders | 1213 | FT |
| | 1214 | PT |
| | 1218 | PT OC |
| Education | 2506 | FT |
| | 2507 | PT |
| Exercise and Sport Science | 2203 | FT |
| | 2204 | PT |
| | 2221 | PT OC |
| Gerontology | 2508 | FT |
| | 2509 | PT |
| | 2561 | PT OC |
| Health Information Management | 0909 | FT |
| | 0910 | PT |
| Indigenous Community Health | 0708 | FT |
| | 0709 | PT |
| Medical Radiation Sciences | 1827 | FT |
| | 1828 | PT |
| | 1833 | PT OC |
| Occupational Therapy | 1518 | FT |
| | 1511 | PT |
| | 1536 | PT OC |
| Orthoptics | 1407 | FT |
| | 1408 | PT |
| | 1417 | PT OC |
| Physiotherapy | 1624 | FT |
| | 1625 | PT |
| | 1656 | FT OC |
| | 1654 | PT OC |
| Rehabilitation Counselling | 2513 | FT |
| | 2514 | PT |
| | 2580 | PT OC |

## Master of Applied Science (MAppSc) generic award

FT: minimum 1.5 yrs – maximum 2 yrs
PT: minimum 3 yrs – maximum 4 yrs

| Area of study | Course code | Mode |
|---|---|---|
| MAppSc | 2801 | FT |
| | 2802 | PT |
| | 2803 | FT OC |
| | 2804 | PT OC |
| Stuttering | 2403 | FT |
| | 2404 | PT |

## Master of Communication Disorders (MCommDis) by research

FT: minimum 1.5 yrs – maximum 2 yrs
PT: minimum 3 yrs – maximum 4 yrs

| Mode | Course code |
|---|---|
| FT | 1215 |
| PT | 1216 |
| PT OC | 1219 |

## Master of Health Science (MHlthSc) by coursework

| Area of study | Course code | Mode | Min. duration |
|---|---|---|---|
| Behavioural Science (BehSc) | 2540 | FT | 1 yr |
| | 2541 | PT | 2 yrs |
| | 2575 | PT OC | 2 yrs |
| Cardiopulmonary | 1661 | FT | 2 yrs |
| Physiotherapy(CardPulPhty) | 1662 | PT | 2 yrs |
| | 16A1 | OC | 1-2 yrs |
| Child and Adolescent Health (ChldAdolHlth) | 2546 | FT | 1 yr |
| | 2547 | PT | 2 yrs |
| Clinical Data Management (CDM) | 0926 | FT OC | 1 yr |
| | 0927 | PT OC | 2 yrs |
| Developmental Disability (DD) | 2701 | FT OC | 1 yr |
| | 2702 | PT OC | 2 yrs |
| Education (Ed) | 2525 | FT | 1 yr |
| | 2526 | PT | 2 yrs |
| | 2524 | OC | 2 yrs |
| Exercise and Sport Science (Ex&SpSc) | 2217 | FT | 1 yr |
| | 2218 | PT | 2 yrs |
| Gerontology (Geront) | 2520 | FT | 1 yr |
| | 2521 | PT | 2 yrs |
| | 2533 | OC | 2 yrs |
| Health Informatics (HlthInformatics) | 0919 | FT | 1 yr |
| | 0920 | PT | 2 yrs |
| Indigenous Community Health (IndigCommHlth) | 0719 | FT OC | 1 yr |
| | 0720 | PT OC | 2 yrs |
| Manipulative Physiotherapy (ManipPhty) | 1657 | FT | 1 yr |
| | 1658 | PT | 2 yrs |
| Medical Radiation Sciences (MRS) | 1845 | OC | 2 yrs |
| Medical Sonography (MedSono) | 1842 | OC | 3 yrs |
| Neurological Physiotherapy (NeuroPhty) | 1669 | FT | 1 yr |
| | 1670 | PT | 2 yrs |
| | 16A2 | OC | 1–2 yrs |
| Occupational Therapy (OT) | 1547 | FT | 1 yr |
| | 1548 | PT | 2 yrs |
| | 1549 | OC | 2 yrs |
| Paediatric Physiotherapy (PaedPhty) | 1665 | FT | 1 yr |
| | 1666 | PT | 2 yrs |
| | 16A3 | OC | 1-2 yrs |
| Physiotherapy (Phty) | 1677 | FT | 1 yr |
| | 1678 | PT | 2 yrs |
| | 16A4 | OC | 1-2 yrs |
| Sexual Health (FT/PT) | 1123 | OC | 1-2 yrs |
| Speech and Language Pathology (SLP) | 1223 | FT OC | 1 yr |
| | 1224 | PT OC | 2 yrs |
| Sports Physiotherapy (Sports Phty) | 1673 | FT | 1 yr |
| | 1647 | PT | 2 yrs |

## Master of Health Information Management (MHIM)

| Mode | Course code | Min. duration |
|---|---|---|
| FT | 0923 | 1 yr |
| PT | 0924 | 2 yrs |

## Master of Occupational Therapy (MOT)

| Mode | Course code | Min. duration |
|---|---|---|
| FT | 1534 | 2 yrs |

## Master of Orthoptics (MOrth)

| Mode | Course code | Min. duration |
|---|---|---|
| OC (FT/PT) | 1420 | 2–4 yrs |

## Master of Physiotherapy (MPhty)

| Mode | Course code | Min. duration |
|---|---|---|
| FT | 1684 | 2 yrs |

## Master of Rehabilitation Counselling (MRehabClng)

| Mode | Course code | Min. duration |
|---|---|---|
| FT OC | 2573 | 1.5 yrs |
| PT OC | 2574 | 3 yrs |

## Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

| Mode | Course code | Min. duration |
|---|---|---|
| FT | 1685 | 1.5 yrs |
| PT | 1686 | 3 yrs |

## Graduate Diploma of Health Science (GradDipHlthSc)

| Area of study | Course code | Mode | Min. duration |
|---|---|---|---|
| Education (Ed) | 2528 | PT | 1.5 yrs |
| | 2523 | OC | 1.5 yrs |
| Exercise and Sport Science (Ex&SpSc) | 2216 | PT | 1.5 yrs |
| Indigenous Community Health (IndigComHlth) | 0717 | FT OC | 1 yr |
| | 0718 | PT OC | 1.5 yrs |
| Medical Radiation Sciences (MRS) | 1844 | OC | 1.5 yrs |
| Medical Sonography (MedSono) | 1841 | OC | 2 yrs |
| Sexual Health (FT/PT) | 1124 | OC | 1–1.5 yrs |
| Vision Impairment (VisImp) *not offered 2004* | 1413 | PT | 2 yrs |
| Graduate Diploma in Rehabilitation Counselling(GradDipRehabClng) | 2571 | FT OC | 1 yr |
| | 2572 | PT OC | 2 yrs |

## Graduate Certificate of Health Science (GradCertHlthSc)

| Area of study | Course code | Mode | Min. duration |
|---|---|---|---|
| Behavioural Science (BehSc) | 2544 | FT | 0.5 yr |
| | 2545 | PT | 1 yr |
| Casemix (Casem) *not offered 2004* | 0914 | PT | 1 yr |
| | 0930 | PT OC | 1 yr |
| Child and Adolescent Health (ChldAdolHlth) | 2550 | FT | 0.5 yr |
| | 2551 | PT | 1 yr |
| Clinical Data Management (CDM) | 0915 | OC | 1 yr |
| Developmental Disability (DD) | 2703 | FT OC | 0.5 yr |
| | 2704 | PT OC | 1 yr |
| Education (Ed) | 2529 | PT | 0.5 yr |
| | 2530 | PT | 1 yr |
| | 2522 | OC | 1 yr |
| Exercise and Sport Science (Ex&SpSc) | 2213 | FT | 0.5 yr |
| | 2214 | PT | 1 yr |
| Indigenous Community Health (IndigCommHlth) | 0715 | FT OC | 0.5 yr |
| | 0716 | PT OC | 1 yr |
| Medical Radiation Sciences (MRS) | 1843 | OC | 1 yr |
| Medical Sonography (MedSono) | 1840 | OC | 1 yr |
| Occupational Therapy (OT) | 1545 | PT | 1 yr |
| | 1544 | FT | 0.5 yr |
| | 1546 | PT OC | 1 yr |
| Sexual Health (FT/PT) | 1125 | OC | 0.5/1 yr |
| Vision Impairment (VisImp) *not offered in 2004* | 1414 | PT | 1 yr |

## Singapore courses

Offered off-shore in Singapore in conjunction with Singapore Institute of Management

| Course | Course code | Mode | Min. duration |
|---|---|---|---|
| Master of Health Science (Management) | 2013 | off-shore | 2 yrs |
| Master of Health Science (Child and Adolescent Health) | 2020 | off-shore | 2 yrs |
| Master of Health Science (Education) | 2019 | off-shore | 2 yrs |
| Master of Health Science (Gerontology) | 2018 | off-shore | 2 yrs |

# ■ 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 |
| SEXH | Sexual Health |
| SING | Singapore Institute of Management |
| 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. A sixth alphabetical character'X' indicates that the unit of study is offered 'off campus' – eg, BACH 5041 (2551UX) Introduction to Gerontology.

# 4 Student administrative information

### Offers – Undergraduate courses

Applicants to undergraduate courses 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, for most courses. 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, if enrolled as a HECS liable student
g) payment of tuition fees for each semester or completion of the Postgraduate Education Loan Scheme (PELS) application form, if enrolled in a fee paying course.
h) Provision of tax file number if choosing the deferred payment option for HECS or applying for the Postgraduate Education Loan Scheme (PELS).

Enrolment of new postgraduate students will be carried out by mail. In late January 2004, students will be sent an enrolment package with instructions. Failure to return completed documents by the due date specified may result in loss of offer of a place in the course.

### 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.

Deferment of enrolment will not normally be granted to other students, including postgraduate students unless there have been extreme and unpredictable changes in circumstances since applying for the course. A request together with documentary evidence for special circumstances may be lodged in writing to the Head, Student Administration (Cumberland).

International students may be permitted to defer enrolment upon written application to The University of Sydney International Office, and approval of the head of school or centre.

### Enrolment of continuing students

Re enrolment of continuing undergraduate students in a course will be carried out by mail. In mid-January 2004, students who are eligible to continue their course will be sent re-enrolment packages:

Enrolment of continuing students in a course entails:

a) completion of the Pre-enrolment form or 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 each semester, if 'up-front' mode of payment is adopted, if enrolled as a HECS liable student.
g) payment of tuition fees for each semester or completion of the Postgraduate Education Loan Scheme (PELS) application form, if enrolled in a fee-paying course.
h) Provision of tax file number if choosing the deferred payment option for HECS or applying for the Postgraduate Education Loan Scheme (PELS).

Compulsory subscriptions and other fees must be paid by Friday 20 February 2004 or the enrolment may be cancelled. An Enrolment Statement/Tax Invoice for fees due will be issued in late 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 6 February 2004.

Students who are required to complete further testing should return re-enrolment documents by 6 February 2004 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 Wednesday 31 March 2004. Students who fail to complete enrolment by 31 March 2004 will be deemed to have abandoned their course.

Pre-enrolment is compulsory for all continuing postgraduate students who are required to pre-enrol in November for the following year. Postgraduate research students should note that re-enrolment of candidature will be subject to submission of the Pre-Enrolment form and Annual Progress Report. Further information regarding completion of the Annual Progress Report can be found at: www.usyd.edu.au/fstudent/postgrad/study/pub/res–hb03–satisfactory.pdf

### 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 (HECS), Postgraduate Education Loan Scheme (PELS)

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 Statement/Tax Invoice in mid-January for First semester (as part of the enrolment kit), and by 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 Statement/Tax Invoice will be sent to all students after the HECS census date in each semester confirming their units of study and financial liabilities.

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 Statement/ 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
- take leave for one or two semesters

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, Student Administration must be advised of your intention.

### 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 will be deemed to have abandoned their course if they fail to complete enrolment by 31 March.

### 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. The form is also available from www.fhs.usyd.edu.au/study/forms.htm. 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 $20 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. Four 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 **part** 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 a R 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.
   d) 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.
2. Please refer to paragraph 8 of The University of Sydney (Coursework) Rule 2000 outlined in chapter 24, Resolutions of the Senate for information about credit for previous studies.
3. Where feasible and appropriate 'class-action' credit transfers into FHS courses will be implemented.
4. The Faculty Handbook will list existing 'class-action' credit transfer policies.
5. All coursework programs in the FHS, with the exception of Rehabilitation Counselling, are fee-paying courses. Lower Award following transfer from a higher Award program is conditional upon payment of the approved course fees.
6. 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.
7. 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.
8. Eligibility for credit does not guarantee a place in the course in which the credit would be available.
9. 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 examinations** in some individual cases to clarify the level of prior learning.
- Credit transfer **class-actions** exist in relation to:
  a) the Master of Health Science (Manipulative Physiotherapy) from graduate diplomas in manipulative physiotherapy awarded by Cumberland College of Health Sciences and The University of Sydney.
  b) 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);
  c) the Bachelor of Applied Science (Leisure and Health) from the Associate Diploma of Applied Science (Diversional Therapy) (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. 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 GPA.

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 2004' leaflet available from Student Administration in A Block, or from www.fhs.usyd.edu.au/study/forms/htm.

For all continuing students, credit transfer must be finalised at enrolment and only in exceptional circumstances (with documentary evidence) an extension will be granted 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 usually be held in the two weeks prior to semester 1 commencement date.

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

Students must complete the 'Application for Variation of units of study' form available from Student Administration (Cumberland) or from 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) or Postgraduate Education Loan Scheme (PELS) 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, PELS or course fee 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' (DNF).

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, an undergraduate student may not enrol in units of study with a total value of more than 32 credit points in any one semester.

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.

### Leave of absence (Suspension of Candidature)

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/discontinuation of studies' form available from Student Administration (Cumberland), or from www.fhs.usyd.edu.au/study/forms.htm, and forward it to Student Administration (Cumberland). The form may be submitted to Student Administration (Cumberland) with or without the recommendations of the appropriate head(s) of school (or their delegates). It is however, advisable to discuss your intended leave with your school prior to lodging your application. If applications are received without the recommendations from head(s) of school (or their delegates), Student Administration will forward this request on the applicant's behalf. 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, PELS or course fee liability for the semester. Refer to chapter 5 'Fees, charges and financial support' 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 leave of absence/discontinuation of studies' form, available from Student Administration (Cumberland) or from www.fhs.usyd.edu.au/study/forms.htm. The form may be submitted to Student Administration (Cumberland) with or without the recommendations of the appropriate head(s) of school (or their delegates). If applications are received without the recommendations from head(s) of school (or their delegates),Student Administration will forward this request on the applicants behalf. 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, PELS 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'. Note: students will only be permitted to withdraw up until the end of the last week of teaching (week 13) each semester.

Upon discontinuation of studies, some refund of Student Guild Fees may be possible (refer to chapter 5 'Fees, charges and financial support').

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 by the advertised closing date, in accordance with the usual procedures for the course.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.

Postgraduate students wishing to articulate or exit with a lower award within the same discipline are advised to contact the course coordinator before lodging an 'Application for Course Transfer' form with Student Administration.

## ■ 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. Students must contact respective schools for information relating to further testing.

### 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) on Cumberland campus and at www.fhs.usyd.edu.au.

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 any bags in room T110, the designated room for bag storage 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 room.

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

Serious illness or misadventure, as distinct from longstanding illness or difficulties, may adversely affect a well-prepared student's performance in an assessment. Special consideration may be granted in these circumstances.

Any student who believes that special consideration is warranted should::

- familiarise themselves with the University Policy (see Part 5 of Academic Board Resolution: Assessment and Examination of Coursework) and the Faculty's procedures both of which are accessible through the Faculty's Web site at: www.fhs.usyd.edu.au/study/current.htm;
- seek an application form and advice about the supportive documentation required from the Student Enquiries Counter in the Jeffrey Miller Building (A Block); and
- note that the form should be lodged within one week of the assessment, unless prevented from doing so because of circumstances beyond the student's control.

### Academic Honesty

Students must undertake to make themselves aware of actions constituting academic dishonesty and the consequences of such actions as stated in the Faculty's Academic Honesty in Coursework s policy at: policy.rms.usyd.edu.au/000003f.pdf

### 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 to also notify the Disability Services Officer (9351 9081). Students may be required to support their request with medical evidence.

### Common result grades for 2004

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.

***R – 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. For Research Thesis for PhD & HScD

***AS – Advance Standing, no mark***

Indicates the awarding of credit transfer in the unit of study

***UCN – Unit of study continuing, permanent 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. The final result will be recorded against the enrolment in the last semester for the UOS.

***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.

Students can accrue up to 2 PCON grades in a semester, but all PCON grades awarded in that semester will revert to Fail grades where:

- a PCON grade and 2 or more Fail grades are awarded;
- 2 PCON grades and 1 or more Fail grades are awarded; or
- a 3rd PCON grade is awarded.

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.

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.AF – Absent Fail, no mark

***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 with Failure, 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

H1M – Honours First Class with University Medal, > 90 (Nominated)
H1 – 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 – Unit Carried***

Unit of study carried into a later semester/year of the course.

Currently valid only for postgraduate research students within the faculty of Health Sciences.

***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.

## 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.

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 three 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), or the Student Counsellor.

### 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 course requirements within the timeframe specified (see www.usyd.edu.au/publications/pghandbooks/coursework/index.html, chapter 7: Time limits and time away) 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 advised of this, but not necessarily placed on show cause, through a message on their assessment notice. Following semester 1, students may receive a letter of advice from the Faculty concerning the need for improved progress. Following semester 2, students required to show cause will receive written notification from the Faculty advising them that they have been placed on show cause and providing them with instructions for submitting a response. Alternatively, the student may receive a letter of advice from the Faculty concerning the need for improved progress. Letters will be sent by express post to the student's recorded address – the student is responsible for keeping this address up-to-date. Students placed on show cause are advised they are permitted to re-enrol and/or continue enrolment until the final decision has been made.

Students placed on show cause who fail to make a written submission by the due date, as requested, will be automatically excluded from the Faculty and must cease class attendance.

### Showing good cause

Students 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 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 for re-admission to a course must be lodged with Student Administration (Cumberland) by 1 December of the year preceeding 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 at www.usyd.edu.au/risk/policies/ohs/index.shtml. Information specific to Cumberland campus can be found at www.fhs.usyd.edu.au/services/index.htm#safety.

### The University of Sydney (Coursework) Rule 2000

An Acrobat PDF file of the 'University of Sydney (Coursework) Rule 2000' information can be found 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 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.

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

### 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 on insurance.

### Coursework

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

## ■ Compulsory Student Guild fees

All students on the Cumberland campus are required, as a condition of their enrolment, to become members of CSG (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.

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.

## ■ Course fees-local students

### 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 non-award unit/s of study;
- have an Australian postgraduate award (without stipend).

Further information about HECS is given in the booklet HECS – Your Questions Answered 2004 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 at www.hecs.gov.au.

Most undergraduate units of study taught in the Faculty of Health Sciences attract HECS at the Band 2 rate of $5367 per annum (2004). 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 $3768 per annum (2004). 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% 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% 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. 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 2004 is $16,000.

### 3. Postgraduate coursework programs

All postgraduate coursework programs in the Faculty (except Rehabilitation Counselling) have become fee-paying. Students who enrol in these programs are exempt from payment of the Higher Education Contribution (HECS). The fee associated with these programs is determined annually and will be levied by semester of enrolment. Non-payment of course fees by the specified date may result in the student's enrolment being cancelled.

### 4. Postgraduate Education Loan Scheme (PELS) for non research courses

The Postgraduate Education Loan Scheme (PELS) is an interest-free loan 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). PELS enables eligible students to obtain a loan from the Commonwealth Government to pay all or part off their tuition fees incurred. It is available for both commencing and continuing students. The Commonwealth pays the amount of the loan directly to the student's institution. Students repay their loan through the taxation system once their income reaches the minimum threshold for compulsory payment.

All local students enrolled in fee-paying postgraduate award courses are eligible for PELS. Eligibility also extends to Australian Permanent Residents in the same way as does HECS ie, Australian Permanent Residents will be eligible for PELS for the three years following the granting of Permanent Residence. Thereafter, should Australian Citizenship not have been achieved, eligibility will be denied with full fee-paying being the only remaining option.

New Zealand Citizens are not eligible for PELS.

PELS is administered under the Higher Education Funding Act 1988 by the Department of Education, Science and Training (DEST), the Australian Taxation Office (ATO), and higher education institutions.

For further information regarding PELS please contact the HECS Enquiry Line, phone 1800 020 108 or visit www.hecs.gov.au/pels.htm

#### 5. Research Training Scheme (RTS) for postgraduate research courses

In the year 2000 the Commonwealth Government announced two new performance-based funding schemes to be administered by the Department of Education, Science and Training (DEST): the Institutional Grants Scheme (IGS); and the the Research Training Scheme (RTS). From 2001 new commencing higher degree by research (HDR) students were enrolled under the RTS. The RTS replaces the Research Higher Education Contribution Scheme (HECS). It provides HECS exemptions for Commonwealth-funded HDR students for the duration of an accredited HDR course, up to a maximum of four (4) years full time equivalent study for a Professional Doctorate/PhD by research and two (2) years full time equivalent for a Master's by Research.

Doctoral students who are granted an extension beyond the four year maximum are not funded by the Commonwealth and may be required to pay fees to the University. Similarly master's students granted an extension beyond two years may be required to pay fees to the University.

Where an RTS student **changes** his or her course of study, say from one master's degree to another, the period of entitlement will remain unchanged.

**Where a student completes a master's** by research and then progresses to a Professional Doctorate/PhD by research, he or she will be entitled to the maximum period of two years for the master's study and four years for the Professional Doctorate/PhD study. This entitlement applies whether or not there is an interval between the two programs. If a student completes a master's by research in less than two years, the maximum entitlement for a Professional Doctorate/PhD by research will still be limited to four years.

Where a student commences in a master's by research and then has his or her candidature **upgraded** to a Professional Doctorate/PhD by research, the student will be limited to a maximum of four years RTS funding.

RTS students may transfer to another institution provided the new institution has an RTS place available. The receiving institution will be required to obtain details from the student regarding his or her enrolment and consumption of RTS entitlement at the previous institution and determine the remaining entitlement.

For more information on the RTS, and policies and regulations governing research students, you are strongly advised to refer to the University's Postgraduate Research Studies Handbook or www.usyd.edu.au/publications/postgrad_handbooks/.

## ■ Course fees-continuing international students

Fees for first semester must be paid by 15 January 2004 and for second semester by 30 June 2004. For further information on methods of payment and payment options, please contact the International Admissions Coordinator in Student Administration (Cumberland Campus), Block A on phone (02) 9351 9485 or the International office at Services Building, Corner of Abercrombie and Codrington Streets, Redfern, phone (02) 9351 4161.

## ■ Notes and manuals

Schools publish manuals for many units of study, ranging in cost from $2 to $50 (in 2003). 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.

## ■ Failure to meet financial liabilities

Students who are financially indebted to the University and have not made acceptable arrangements for settlement of their obligations are not 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 for First Semester and 31August for Second Semester. Reinstatement of enrolment, if approved, may require payment of a $100 fee.

## ■ Refund policy

***Refund of Compulsory 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) 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 CSG detailing their case.

#### Refund of HECS

If, following variation of enrolment before the census date of that semester, a student becomes eligible for a refund of all or part of an 'up-front' Higher Education Contribution, the amount of the refund will be notified in the Confirmation of Enrolment notice and the refund will be processed.

Requests for refund of fees or contributions due to special circumstances, should be directed in writing to the Head, Student Administration (Cumberland) and should detail fully the grounds upon which the request is based with supporting documentation, and should be made by the end of the semester in which the student was enrolled.

#### Refund of course tuition fees

Students who withdraw from a unit of study or course or take leave of absence before the Census date of each semester (ie, 31 March for first semester, 31August for second semester) will be reimbursed 100 per cent of the tuition fee paid.

Students who withdraw from a unit of study or course or take leave of absence after the census date of 31 March for first semester or 31August for second semester, will not be given any refunds for fees paid.

## ■ Prizes and scholarships

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

### 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 of academic records. Successful students will be notified, in writing, by the end of May.

## 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 | $200 & $50 ASORC credit voucher | Awarded to the most proficient graduate in the Bachelor 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 Health Rehabilitation Award | $400 | Awarded annually to a third or fourth year student enrolled in the Bachelor of Health Science (Rehabilitation Counselling) course who demonstrated 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*** | | |
| Bruce Baker, Semantic Compactions Prize | $200 | Awarded to the student enrolled in the final year of a Bachelor of Applied Science (Speech Pathology) course for highest achievement in disability units and clinical placements in the second, third and fourth years of their degree. |
| The NSW Branch of the Speech Pathology Association of Australia Prize | One year's membership of SPAA | Awarded to the student with the highest general proficiency in the final year of the Bachelor of Applied Science (Speech Pathology) course. |
| The Psychological Corporation Prize | $200 cash or $400 gift certificate products from the Psychological Corporation | Awarded to the student enrolled in the final year of a Bachelor of Applied Science (Speech Pathology) course who demonstrates the greatest proficiency in clinical education over the final two years of their degree. |
| The Thinking Publications Award | $250 gift certificate for products from Thinking Productions | Awarded to the students enrolled in the final year of a Bachelor of Applied Science (Speech Pathology) course for the greatest sustained contribution to the student association in speech and hearing across the years of their programs |
| ***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 | $250 | 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. |
| 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 award is 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 year1 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. |

## Undergraduate and postgraduate prizes and awards

| | | |
|---|---|---|
| Academic Achievement, Year 2, Stream Award | $100 | Awarded to the second year 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 | $500 | Awarded to a female non-metropolitan student with the highest aggregate marks across all second year units of study in all three undergraduate streams of Diagnostic Radiography, Nuclear Medicine and Radiation Therapy 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 | Value of $500 education expenses | Awarded to a mature age female student in the Bachelor of Applied Science (Occupational Therapy) in acknowledgement of the efforts required to overcome specific adversity and achieve success in the course. |
| 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 and II 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 I, II and III in the Bachelor of Applied Science (Occupational Therapy) course. |
| The Surgical Synergies Prize for Human Occupations | products to value of $200 | 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 Physiotherapy 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. |
| 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 Bachelor 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. |
| ***Yooroang Garang – School of Indigenous Health Studies*** | | |
| Yooroang Garang School Prize | $150 | Awarded to the graduating student with the highest aggregate marks over all units in the Bachelor of Health Science (Aboriginal Health and Community Development) course and passing all units of study at the first attempt. |
| Yooroang Garang School Prize | $150 | Awarded to the graduating student with the highest aggregate marks over all units in the Bachelor of Health Science (Aboriginal Health and Community Development) Honours course and passing all units of study at the first attempt. |
| Yooroang Garang School Prize | $150 | Awarded to the graduating student with the highest aggregate marks over all units in the Diploma of Health Science (Aboriginal Health and Community Development) course and passing all units of study at the first attempt. |

### Cumberland Student Guild Scholarships and Awards

| | | |
|---|---|---|
| CSG School Scholarships (10) | $400 | Awarded to a CSG member on the Cumberland Campus with regard to highest UAI (or equivalent) in each academic school of the Faculty of Health Sciences. |
| CSG President's Scholarship | $3170 | Awarded to the best all round continuing CSG member on the Cumberland Campus with regard to academic, sporting, leadership and voluntary achievements on and off campus. |
| CSG Sports Scholarship | $2170 | Awarded to the best all round sportsperson that is a CSG member. |
| CSG Equity Scholarships (5) | $300 | Awarded to a CSG member on the Cumberland Campus who demonstrates genuine financial hardship. |
| CSG Graduation Award (1) | $1000 | Awarded to the best all round graduating CSG member on the Cumberland Campus with regard to academic, sporting, leadership and voluntary achievements on and off campus. |
| CSG Postgraduate Scholarships (2) | $1400 | Awarded to the best all round continuing postgraduate CSG member on the Cumberland Campus with regard to academic performance and referee reports. |

#### 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. Application 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 2003, 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 Undergraduate Students, Honours Scholarships and Full Fee Scholarships 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.

#### 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.

## Postgraduate awards

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

Successful applicants must have a first class honours degree or equivalent.

The awards are available to Australian citizens / Australian residents or New Zealand citizens. 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 available from www.usyd.edu.au/su/reschols/scholarships/apa2004.htm

For additional information contact:

Research Training
The Research Office
Main Quadrangle, A14
The University of Sydney NSW 2006
Phone: (02) 9351 3250
Fax: (02) 9351 3256

In addition, CSG has two (2) postgraduate scholarships for new and continuing students studying at the Cumberland Campus. For further information about the postgraduate scholarships offered by CSG, see their Web service at 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) 9351 9450.

## 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 2002/2003 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. Masters and PhD courses do not attract Youth Allowance. 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 are not 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

CSG Administration on Level 3 of the CSG Building (Building U) has a supply of Centrelink forms and information handouts that are available on request. Information on Youth Allowance, Austudy and ABSTUDY is available on the Web site at:

www.centrelink.gov.au/Internet/Internet.nsf/individuals/st–payments.htm.

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), and commencing in 2004, a graduate entry Master of Orthoptics by coursework.

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 settings, 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/

## ■ 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. From 2005 HSC level Physics and Chemistry, or completion of appropriate bridging courses, are recommended.

### Course outlines

The course outlines for the Bachelor of Applied Science (Orthoptics) Pass and Honours courses are presented in the following series 6 Tables.

### 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 2004 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, 2004.

## 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 2 (last offered in 2004)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1135** | *251A7* | Health, Attitudes and Interaction | 3 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). | 1 |
| **BACH 1138** | *251B0* | Health and Research Design: General | 3 | | 1 |
| **BIOS 1140** | *111E7* | Neuroscience II | 3 | | 1 |
| **BIOS 2061** | *112B2* | Ocular Biology | 3 | **A** Neuroscience I BIOS 1131 (111D8). | 1 |
| **ORTH 2047** | *14249* | Concomitant Strabismus A | 4 | **A** Binocular Vision ORTH 1039 (14138).<br>**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 of the Visual System IB ORTH 1041 (14140).<br>**C** Instrumentation IIA ORTH 2050 (14252). | 1 |
| **ORTH 2050** | *14252* | Instrumentation IIA | 3 | **C** Concomitant Strabismus A ORTH 2047 (14249); Disorders of the Visual System IIA ORTH 2048 (14250). | 1 |
| **Inter-semester** | | | | | |
| **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).<br>**P** Binocular Vision ORTH 1039 (14138). | inter-semester |
| **Semester 2** | | | | | |
| **BACH 2134** | *252B7* | Cognition and Neurocognitive Recovery | 4 | **A** Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). | 2 |
| **BIOS 2105** | *112F9* | Visual Neurobiology | 4 | **A** Neuroscience I BIOS 1131 (111D8), Ocular Biology BIOS 2061 (112B2). | 2 |
| **BIOS 2106** | *112G0* | 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).<br>**P** Concomitant Strabismus A ORTH 2047 (14249); Instrumentation IIA ORTH 2057 (14259).<br>**C** Instrumentation IIB ORTH 2058 (14260). | 2 |
| **ORTH 2049** | *14251* | Disorders of the Visual System IIB | 3 | **C** Instrumentation IIB ORTH 2051 (14253). | 2 |
| **ORTH 2051** | *14253* | Instrumentation IIB | 3 | **C** Concomitant Strabismus B ORTH 2043 (14245); Disorders of the Visual System IIB ORTH 2049 (14251). | 2 |
| Year 2 total: 48 credit points | | | | | |
| **■ Year 3 (last offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **ORTH 3036** | *14336* | Clinical Project | 3 | **C** Clinical Studies III ORTH 3051 (14351). | 1 |
| **ORTH 3050** | *14350* | Assessment and Management of Refractive Errors | 5 | **P** Optics BIOS 1146 (111F3), Clinical Optics ORTH 1048 (14147).<br>**C** Professional Practice III ORTH 3053 (14353). | 1 |
| **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).<br>**P** Professional Practice II ORTH 2054 (14256), Instrumentation IIA ORTH 2050 (14252) & IIB ORTH 2051 (14253), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245).<br>**C** Clinical Project ORTH 3036 (14336). | 1 |
| **Semester 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).<br>**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 |
| Year 3 total: 48 credit points | | | | | |
| **■ Year 4 (last offered in 2006)** | | | | | |
| **Semester 1 or 2** | | | | | |
| **BACH 4047** | *25446/ 25446X* | Developing a Research Project | 4 | *NB: Also available in off-campus mode.* | 1, 2 |
| **Semester 1** | | | | | |
| **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 IV | 4 | | 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 4009** | *14410* | Rehabilitation Studies II | 4 | | 1 |
| **ORTH 4010** | *14411* | Professional Studies | 4 | | 1 |
| **Semester 2** | | | | | |
| **ORTH 4011**[1] | *14412* | Research Project | 4 | | 2 |
| **ORTH 4012** | *14413* | Clinical Studies IV | 20 | **P** Clinical Studies III ORTH 3051 (14351); 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 4013**[1] | *14414* | Professional Elective | 4 | | 2 |
| Year 4 total: 48 credit points | | | | | |

■ **Note**

1. Students choose either ORTH 4011 or ORTH 4013.

## 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 (last offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 4047** | *25446/ 25446X* | Developing a Research Project | 4 | *NB: Also available in off-campus mode.* | 1, 2 |
| **ORTH 3050** | *14350* | Assessment and Management of Refractive Errors | 5 | **P** Optics BIOS 1146 (111F3), Clinical Optics ORTH 1048 (14147).<br>**C** Professional Practice III ORTH 3053 (14353). | 1 |
| **ORTH 3052** | *14352* | Clinical Studies IIIH | 16 | **A** Disorders of the Visual System IIA ORTH 2048 (14250) & IIB ORTH 2049 (14251).<br>**P** Professional Practice II ORTH 2054 (14256), Instrumentation IIA ORTH 2050 (14252) & IIB ORTH 2051 (14253), Concomitant Strabismus A ORTH 2047 (14249) and Concomitant Strabismus B ORTH 2043 (14245). | 1 |
| **Semester 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).<br>**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 |
| Year 3 total: 48 credit points | | | | | |
| ■ **Year 4 (last offered in 2006)** | | | | | |
| **Full Year units of study** | | | | | |
| **ORTH 4018** | *14419* | Research Report | 12 | | Full year |
| **ORTH 4019** | *14420* | Clinical Studies IVH | 20 | **P** Clinical Studies III ORTH 3051 (14351), 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).<br>**C** Professional Studies ORTH 4010 (14411). | Full year |
| **Semester 1** | | | | | |
| **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 IV | 4 | | 1 |
| **ORTH 4010** | *14411* | Professional Studies | 4 | | 1 |
| Year 4 total: 48 credit points | | | | | |

## Table 6.2: Bachelor of Applied Science (Orthoptics)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 1418: Pass course, full-time, 4 years | | | | | |
| **■ Year 1 (first offered in 2004)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1129** | *251A1* | Foundations of Health Sociology | 3 | | 1 |
| **BACH 1131** | *251A3* | Foundations of Psychology for the Health Sciences | 3 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | 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 1146** | *111F3* | Optics | 3 | | 1 |
| **BIOS 1147** | *111F4* | Ocular Biology I | 3 | | 1 |
| **ORTH 1042** | *14141* | Professional Practice IA | 3 | | 1 |
| **ORTH 1044** | *14143* | Visual Processes | 3 | | 1 |
| **ORTH 1045** | *14144* | Introduction to Professional Practice | 3 | | 1 |
| Semester 1 total: 25 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |
| **BIOS 1127** | *111D4* | Body Systems I | 3 | **A** Human Biology and Biochemistry BIOS 1124 (111D2). | 2 |
| **BIOS 1132** | *111D9* | Neuroscience I | 3 | | 2 |
| **ORTH 1043** | *14142* | Professional Practice IB | 3 | | 2 |
| **ORTH 1046** | *14145* | Binocular Vision | 4 | | 2 |
| **ORTH 1047** | *14146* | Introduction to Ocular Pathology and Assessment | 4 | **A** Basic ocular anatomy and physiology. | 2 |
| **ORTH 1048** | *14147* | Clinical Optics | 3 | **A** Basic optics. | 2 |
| Semester 2 total: 23 credit points | | | | | |
| **■ Year 2 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1140** | *251B2* | Analysing Health Research: General | 3 | **A** Basic mathematics. | 1 |
| **BIOS 1140** | *111E7* | Neuroscience II | 3 | | 1 |
| **BIOS 2107** | *112G1* | Ocular Biology II | 3 | | 1 |
| **ORTH 2047** | *14249* | Concomitant Strabismus A | 4 | **A** Binocular Vision ORTH 1039 (14138).<br>**C** Instrumentation IIA ORTH 2050 (14252). | 1 |
| **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).<br>**P** Binocular Vision ORTH 1039 (14138). | inter-semester |
| **ORTH 2055** | *14257* | Cataract and Ocular Surface Involvement | 3 | **P** Introduction to Ocular Pathology and Assessment ORTH 1047 (14146).<br>**C** Instrumentation IIA ORTH 2057 (14259). | 2, from 2005 |
| **ORTH 2057** | *14259* | Instrumentation IIA | 3 | **C** Concomitant Strabismus A ORTH 2047 (14249), Cataract and Ocular Surface Involvement ORTH 2055 (14257). | 1, from 2005 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1148** | *251C0* | Health, Attitudes and Interaction | 3 | **P** Foundations of Psychology for the Health Sciences or Introduction to Health Psychology. | 2 |
| **BACH 2134** | *252B7* | Cognition and Neurocognitive Recovery | 4 | **A** Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). | 2 |
| **BIOS 2108** | *112G2* | Visual Neuroscience | 3 | **A** Neuroscience I BIOS 1131 (111D8), Ocular Biology BIOS 2061 (112B2). | 2 |
| **BIOS 2109** | *112G3* | Body Systems II | 4 | | 2 |
| **ORTH 2043** | *14245* | Concomitant Strabismus B | 4 | **A** Binocular Vision ORTH 1039 (14138).<br>**P** Concomitant Strabismus A ORTH 2047 (14249); Instrumentation IIA ORTH 2057 (14259).<br>**C** Instrumentation IIB ORTH 2058 (14260). | 2 |
| **ORTH 2056** | *14258* | Glaucoma and Ocular Emergencies | 3 | **C** Instrumentation IIB ORTH 2051 (14253). | 2, from 2005 |
| **ORTH 2058** | *14260* | Instrumentation IIB | 3 | **C** Concomitant Strabismus B ORTH 2043 (14245), Glaucoma and Ocular Emergencies ORTH 2056 (14258). | 2, from 2005 |
| Semester 2 total: 24 credit points | | | | | |

Table 6.2: Bachelor of Applied Science (Orthoptics) (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **■ Year 3 (first offered in 2006)** | | | | | |
| **Semester 1** | | | | | |
| **ORTH 3050** | *14350* | Assessment and Management of Refractive Errors | 5 | **P** Optics BIOS 1146 (111F3), Clinical Optics ORTH 1048 (14147).<br>**C** Professional Practice III ORTH 3053 (14353). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **ORTH 3053** | *14353* | Professional Practice III | 19 | **A** Background knowledge of concomitant squint, cataract, glaucoma, contact lenses and ocular emergencies.<br>**P** Professional Practice II ORTH 2054 (14256), Instrumentation IIA ORTH 2057 (14259) and IIB ORTH 2058 (14260), Concomitant Strabismus A ORTH 2047 (14249) and B ORTH 2043 (14245), Cataract and Ocular Surface Involvement ORTH 2055 (14257) Glaucoma and Ocular Emergencies ORTH 2056 (14258). | 1, from 2006 |
| **Semester 2** | | | | | |
| **BIOS 3061** | *113B4* | Embryology and Genetics | 3 | **A** Human Biology and Biochemistry BIOS 1124 (111D2), Ocular Biology II BIOS 2107 (112G1). | 2 |
| **BIOS 3062** | *113B5* | Ocular Motor Systems | 3 | | 2 |
| **ORTH 3054** | *14354* | Orbital and Restrictive Conditions | 5 | **A** Ocular anatomy and physiology of ocular muscles, basic knowledge of the total visual system, sensory and motor.<br>**P** Concomitant Strabismus A ORTH 2047 (14249) or Concomitant Strabismus B ORTH 2043 (14245).<br>**C** Instrumentation III ORTH 3055 (14355). | 2, from 2006 |
| **ORTH 3055** | *14355* | Instrumentation III | 4 | **A** Incomitant Strabismus in a variety of age populations.<br>**C** Orbital and Restrictive Conditions ORTH 3054 (14354). | 2, from 2006 |
| **ORTH 3056** | *14356* | Rehabilitation in Childhood | 3 | **A** Normal paediatric development, embryology. | 2, from 2006 |
| **ORTH 3057** | *14357* | Orthoptics in Paediatrics | 3 | **A** Professional Practice IIIH ORTH 3060 (14360). | 2, from 2006 |
| **ORTH 3058** | *14358* | Orthoptics in Neurology | 3 | **A** Professional Practice III ORTH 3053 (14353). | 2, from 2006 |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 4 (first offered in 2007)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 4047** | *25446/ 25446X* | Developing a Research Project | 4 | *NB: Also available in off-campus mode.* | 1, 2 |
| **ORTH 4020** | *14421* | Neurological Eye Movement Disorders | 5 | **A** Anatomy and physiology of the visual pathway with emphasis on the motor pathway.<br>**P** Orbital and Restrictive Conditions ORTH 3054 (14354) Instrumentation III ORTH 3055 (14355). | 1, from 2007 |
| **ORTH 4021** | *14422* | Orthoptics in Adult Practice | 4 | **A** Relevant ocular anatomy and systemic disease processes. | 1, from 2007 |
| **ORTH 4022** | *14423* | Orthoptics in Ophthalmic Practice | 4 | | 1, from 2007 |
| **ORTH 4023** | *14424* | Professional Studies | 5 | **A** All ocular motility/professional units of study.<br>**P** Concomitant Strabismus A ORTH 2047 (14249) or Concomitant Strabismus B ORTH 2043 (14245). | 1, from 2007 |
| **ORTH 4024** | *14425* | Rehabilitation for Vision Impairment | 3 | **A** Relevant ocular anatomy and systemic disease processes. | 1, from 2007 |
| Semester 1 total: 25 credit points | | | | | |
| **Semester 2** | | | | | |
| **ORTH 4025** | *14426* | Professional Practice IV | 20 | **P** Professional Practice III ORTH 3053 (14353), Orbital and Restrictive Conditions ORTH 3054 (14354), Orthoptics in Paediatrics ORTH 3057 (14357), Orthoptics in Neurology ORTH 3058 (14358), Neurological Eye Movement Disorders ORTH 4020 (14421), Orthoptics in Adult Practice ORTH 4021 (14422), Orthoptics in Ophthalmic Practice ORTH 4022 (14423), Instrumentation III ORTH 3055 (14355), Professional Studies ORTH 4023 (14424). | 2, from 2007 |
| **ORTH 4026** | *14427* | Clinical Project | 3 | **A** Principles of research project design.<br>**P** Developing a Research Project BACH 4047 (25446/25446X).<br>**C** Professional Practice IV ORTH 4025 (14426). | 2, from 2007 |
| Semester 2 total: 23 credit points | | | | | |

## Table 6.2.1: Bachelor of Applied Science (Orthoptics) (Honours) (offered from 2006)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 1419: Honours program, full-time, 4 years | | | | | |
| **■ Years 1 and 2** | | | | | |
| As per Pass course | | | | | |
| **■ Year 3 (first offered in 2006)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 4047** | *25446/ 25446X* | Developing a Research Project | 4 | *NB: Also available in off-campus mode.* | 1, 2 |
| **ORTH 3050** | *14350* | Assessment and Management of Refractive Errors | 5 | **P** Optics BIOS 1146 (111F3), Clinical Optics ORTH 1048 (14147).<br>**C** Professional Practice III ORTH 3053 (14353). | 1 |
| **ORTH 3060** | *14360* | Professional Practice IIIH | 14 | **A** Background knowledge of concomitant squint, cataract, glaucoma, contact lenses and ocular emergencies.<br>**P** Professional Practice II ORTH 2054 (14256), Instrumentation IIA ORTH 2057 (14259) and IIB ORTH 2058 (14260), Concomitant Strabismus A ORTH 2047 (14249) and B ORTH 2043 (14245), Cataract and Ocular Surface Involvement ORTH 2055 (14257), Glaucoma and Ocular Emergencies ORTH 2056 (14258). | 1, from 2006 |
| Semester 1 total: 23 credit points | | | | | |
| **Semester 2** | | | | | |
| **BIOS 3061** | *113B4* | Embryology and Genetics | 3 | **A** Human Biology and Biochemistry BIOS 1124 (111D2), Ocular Biology II BIOS 2107 (112G1). | 2 |
| **BIOS 3062** | *113B5* | Ocular Motor Systems | 3 | | 2 |
| **ORTH 3054** | *14354* | Orbital and Restrictive Conditions | 5 | **A** Ocular anatomy and physiology of ocular muscles, basic knowledge of the total visual system, sensory and motor.<br>**P** Concomitant Strabismus A ORTH 2047 (14249) or Concomitant Strabismus B ORTH 2043 (14245).<br>**C** Instrumentation III ORTH 3055 (14355). | 2, from 2006 |
| **ORTH 3055** | *14355* | Instrumentation III | 4 | **A** Incomitant Strabismus in a variety of age populations.<br>**C** Orbital and Restrictive Conditions ORTH 3054 (14354). | 2, from 2006 |
| **ORTH 3057** | *14357* | Orthoptics in Paediatrics | 3 | **A** Professional Practice IIIH ORTH 3060 (14360). | 2, from 2006 |
| **ORTH 3058** | *14358* | Orthoptics in Neurology | 3 | **A** Professional Practice III ORTH 3053 (14353). | 2, from 2006 |
| **ORTH 3059** | *14359* | Research Proposal | 4 | **A** Research knowledge and skills introduced by the subject Developing a Research Project BACH 4047 (25446/25446X). | 2, from 2006 |
| Semester 2 total: 25 credit points | | | | | |
| **■ Year 4 (first offered in 2007)** | | | | | |
| **Semester 1** | | | | | |
| **ORTH 4020** | *14421* | Neurological Eye Movement Disorders | 5 | **A** Anatomy and physiology of the visual pathway with emphasis on the motor pathway.<br>**P** Orbital and Restrictive Conditions ORTH 3054 (14354) Instrumentation III ORTH 3055 (14355). | 1, from 2007 |
| **ORTH 4021** | *14422* | Orthoptics in Adult Practice | 4 | **A** Relevant ocular anatomy and systemic disease processes. | 1, from 2007 |
| **ORTH 4022** | *14423* | Orthoptics in Ophthalmic Practice | 4 | | 1, from 2007 |
| **ORTH 4023** | *14424* | Professional Studies | 5 | **A** All ocular motility/professional units of study.<br>**P** Concomitant Strabismus A ORTH 2047 (14249) or Concomitant Strabismus B ORTH 2043 (14245). | 1, from 2007 |
| **ORTH 4027** | *14428* | Professional Practice IVHA | 3 | **P** Professional Practice IIIH ORTH 3060 (14360). | 1, from 2007 |
| **ORTH 4028** | *14429* | Research Report A | 3 | | 1, from 2007 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **ORTH 4029** | *14430* | Professional Practice IVHB | 15 | **P** Professional Practice IIIH ORTH 3060 (14360), Orbital and Restrictive Conditions ORTH 3054 (14354), Orthoptics in Paediatrics ORTH 3057 (14357), Orthoptics in Neurology ORTH 3058 (14358), Neurological Eye Movement Disorders ORTH 4020 (14421), Orthoptics in Adult Practice ORTH 4021 (14422), Orthoptics in Ophthalmic Practice ORTH 4022 (14423), Instrumentation III ORTH 3055 (14355), Professional Studies ORTH 4023 (14424). | 2, from 2007 |
| **ORTH 4030** | *14431* | Research Report B | 9 | | 2, from 2007 |
| Semester 2 total: 24 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 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, Attitudes and Interaction**

Old code 251A7. 3 credit points. **Semester**: 1. **Prerequisite**: Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). **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 settings 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 settings; 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 (251A3) 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 1124 **Human Biology and Biochemistry**

Old code 111D2/111D2X. 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 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 1146 **Optics**

Old code 111F3. 3 credit points. Dr Fazlul Huq. **Semester**: 1. **Assessment**: Written examination and practical reports.

This unit introduces the student to the principles of optics including properties of light, reflection & refraction of light, prisms, spherical lenses& cylindrical lenses, including image formation, schematic models of the eye and properties of lasers.

*Textbooks*

Huq F. Elements of Geometrical and Visual Optics.

Ogle KN. Optics (2nd Ed.). Charles Thomas Publishers, 1968

Elkingto AK, Frank HJ. Clinical Optics, Blackwell Scientific Publications, Oxfold, 1981

### BIOS 1147 **Ocular Biology I**

Old code 111F4. 3 credit points. Dr Ponnambalam Sivanandasingham. **Semester**: 1. **Assessment**: Practical examination in anatomy, written examination in anatomy and physiology.

The anatomy of the orbit, eyeball, and retina. An introduction to intraocular fluids and pressure.

*Textbooks*

Snell RS, Lemp MS. Clinical anatomy of the eye, Malden, Mass: Blackwell Science, 1998.

### BIOS 2061 **Ocular Biology**

Old code 112B2. 3 credit points. Dr P Sivanandasingham. **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 M.A. 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 P Sivanandasingham. **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. Ms Meg Stuart. **Semester**: 2. **Assumed knowledge**: Visual Neurobiology BIOS 2063 (112B4). **Assessment**: Written assignment 7%, Oral presentation 7%, End semester exam 86%.

In this unit students will be introduced to the study of embryology, with particular emphasis on the development of the central nervous system and the visual system. Both normal and abnormal development will be discussed. The unit also includes a series of lectures pertaining to plasticity of the nervous system, again with particular emphasis on the visual and ocular motor systems.

*Textbooks*

1. Human Embryology. (1993). Larsen, W.
2. Before we are Born. 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 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 1044 **Visual Processes**

Old code 14143. 3 credit points. **Semester**: 1.

The normal eye and ocular systems are introduced. The unit commences with basic ocular anatomy, followed by visual functions such as vision, convergence and accommodation and eye movements. The procedures for clinical examination of visual function are presented.

### ORTH 1045 **Introduction to Professional Practice**

Old code 14144. 3 credit points. **Semester**: 1.

This unit introduces the student to the complexities of professional practice, including attributes of beginning health professionals. The holistic role of the orthoptist in patient management and the role the orthoptist plays in the interdisciplinary health team are introduced. Students gain an introductory experience of the responsibility of health professionals, especially those they will need to practice whilst gaining clinical experience. It will also introduce the broader areas of medical disease and medical classification.

### ORTH 1046 **Binocular Vision**

Old code 14145. 4 credit points. **Semester**: 2.

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 1047 Introduction to Ocular Pathology and Assessment

Old code 14146. 4 credit points. **Semester**: 2. **Assumed knowledge**: Basic ocular anatomy and physiology.

This unit will introduce medical terminology used in the field of ophthalmology. It will present a range of disorders of the eye with emphasis on recognition of the more common disoorders of the eye and visual system, and their associated signs and symptoms. The basic principles of ophthalmological examination including the use of pharmacological agents will also be studied including general principles of infection contol and asepsis.

### ORTH 1048 Clinical Optics

Old code 14147. 3 credit points. **Semester**: 2. **Assumed knowledge**: Basic optics.

This unit will extend the knowledge base gained in Optics by applying optical principles to basic refractive anomalies of the eye including spherical and cylindrical errors and their correction with spectacle lenses. The prismatic effect of lenses and the role of prisms will also be studied. Basic principles of optical dispensing and the prescription of glasses will be introduced including an understanding of decentration and the measurement of simple lenses.

### 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); Instrumentation IIA ORTH 2057 (14259). **Corequisite**: Instrumentation IIB ORTH 2058 (14260).

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 fitting 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. **Prerequisite**: Optics BIOS 1146 (111F3), Clinical Optics ORTH 1048 (14147). **Corequisite**: Professional Practice III ORTH 3053 (14353).

This unit will extend preliminary knowledge of refactive 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 ont he clinical evaluation of refractive error including methods of objective and subjective refraction as well as A scan ultrasonogrphy. Correction of refractive errors by both optical

and surgical methods will also be a focus of this unit. Aspects of optical dispensing, fitting 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**: Professional Practice II ORTH 2054 (14256), Instrumentation IIA ORTH 2050 (14252) & IIB 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) & IIB ORTH 2049 (14251). **Prerequisite**: Professional Practice II ORTH 2054 (14256), Instrumentation IIA ORTH 2050 (14252) & IIB 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 3051 (14351); 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 3051 (14351), 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 settings. 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 settings 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 (e.g., 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.. 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. Some elective units taken from within and outside the Faculty of Health Sciences are available in the program..

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 ; 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 allowed (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.

### Course outlines

The course outlines for the Bachelor of Behavioural Health Science Pass and Honours courses are presented in Table 7.1, Table 7.2 and Table 7.3.

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 2559: Honours program; full-time, 4 years | | | | | |
| **Honours program** | | | | | |
| ■ **Year 4 (last offered in 2004)** | | | | | |
| This is an additional year following the 3 year Pass course | | | | | |
| **Semester 1** | | | | | |
| **BACH 4076** | *25488* | Research Project 1 | 14 | | 1 |
| Research elective[4] | | | | | |
| Honours electives[5] | | | | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 4077** | *25489* | Research Project 2 | 20 | | 2 |
| Honours electives[5] | | | | | |
| Semester 2 total: 24 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<br>Course code 2577: Honours program; full-time, 4 years | | | | | |
| **■ Year 2 (last offered in 2004)** | | | | | |
| **Health Psychology Major** | | | | | |
| **Semester 1** | | | | | |
| **BACH 2038** | *2521R* | Health and Social Theory | 6 | **P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 1 |
| **BACH 2129** | *252A4* | Psychological Disorders and Their Treatment | 6 | **A** Introduction to Health Psychology BACH 1133 (251A5). | 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[1] | | | 5 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2039** | *2521S* | Organisational Studies | 6 | **A** Introduction to Health Psychology.<br>**P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 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).<br>**N** Cognitive Factors in Health; Cognition and Neurocognitive Recovery. | 2 |
| Elective studies[1]<br>Psychology electives[2]<br>Sociology elective[3] | | | 3<br>9<br>3 | | |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 2 Health Sociology Major** | | | | | |
| **Semester 1** | | | | | |
| **BACH 2038** | *2521R* | Health and Social Theory | 6 | **P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 1 |
| **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[1]<br>Sociology elective[3] | | | 5<br>3 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2039** | *2521S* | Organisational Studies | 6 | **A** Introduction to Health Psychology.<br>**P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 2 |
| **BACH 2131** | *252A6* | Policy and Service Delivery in Health | 6 | **P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 2 |
| Elective studies[1]<br>Psychology electives[2] | | | 3<br>9 | | |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 3 Health Psychology Major (last offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 3075** | *25373* | Health Psychology | 6 | **P** Psychological Disorders and their Treatment BACH 2129 (252A4). | 1 |
| **BACH 3076** | *25374* | Counselling and Assessment | 6 | **P** Psychological Disorders and their Treatment BACH 2129 (252A4). | 1 |
| **BACH 3078** | *25376* | Professional Practice and Ethics II | 3 | **P** Professional Practice and Ethics I BACH 1025 (2511E). | 1 |
| **BACH 5298** | *25594* | History & Philosophy of Scientific Methodology | 6 | | 1 |
| Elective studies[1] | | | 3 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2131** | *252A6* | Policy and Service Delivery in Health | 6 | **P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 2 |
| **BACH 3077** | *25375* | Workplace Attachment | 6 | **P** Professional Practice and Ethics I BACH 1025 (2511E). | 2 |
| Elective studies[1]<br>Psychology elective[2]<br>Sociology elective[3] | | | 6<br>3<br>3 | | |
| Semester 2 total: 24 credit points | | | | | |

## 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 |
|---|---|---|---|---|---|
| **■ Year 3 Health Sociology Major** | | | | | |
| **Semester 1** | | | | | |
| **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** Policy and Service Delivery in Health BACH 2131 (252A6). | 1 |
| **BACH 5298** | *25594* | History & Philosophy of Scientific Methodology | 6 | | 1 |
| Elective studies[1] | | | 6 | | |
| Sociology electives[3] | | | 3 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 3077** | *25375* | Workplace Attachment | 6 | **P** Professional Practice and Ethics I BACH 1025 (2511E). | 2 |
| Elective studies[1] | | | 6 | | |
| Psychology elective[2] | | | 3 | | |
| Sociology electives[3] | | | 9 | | |
| Semester 2 total: 24 credit points | | | | | |

## Honours program

**■ Year 4 (last offered in 2006)**

This is an additional year following the 3 year Pass course

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **Semester 1** | | | | | |
| **BACH 4076** | *25488* | Research Project 1 | 14 | | 1 |
| Research elective[4] | | | 6 | | |
| Honours electives[5] | | | 4 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 4077** | *25489* | Research Project 2 | 20 | | 2 |
| Honours electives[5] | | | 4 | | |
| Semester 2 total: 24 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 |
|---|---|---|---|---|---|
| Notes to Tables 7.1 and 7.2 | | | | | |
| **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 |
| **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 | **A** Counselling and Assessment BACH 3076 (25374) or equivalent. | 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 of Health 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 of Health Sociology or Introduction to Health Sociology. **N** Psychosocial Aspect of Recreation and Sport BACH 1102 (25185). | 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). | 1, 2 |
| **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 2004.* | 1 |

## 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 3118** | *253E1* | Social Dimensions of Biotechnology | 3 | **P** Health, Illness & Social Inquiry' or 'Foundations of Health Sociology or Introduction to Health Sociology' or 'Health & Social Theory. | 1 |
| **4. Research electives – 6 credit points each** | | | | | |
| **BACH 4055** | *25454* | Intermediate Statistics | 6 | | 1 |
| **BACH 4056** | *25455* | Qualitative Research Methods | 6 | | 1, 2 |
| **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).<br>**C** Psychosocial Well-being in Older Adults BACH 3098 (25396). | 1 |
| **BACH 4061** | *25460* | Organisational Psychology | 4 | **A** Psychology background.<br>*NB: Available is distance education mode.* | 1 |
| **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 |

## Table 7.3: 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 2585: Pass course; full-time, 3 years<br>Course code 2586: Honours course; full-time 4 years | | | | | |
| ■ **Year 1 (first offered in 2004)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1133** | *251A5* | Introduction to Health Psychology | 6 | | 1 |
| **BACH 1134** | *251A6* | Health, Illness and Social Inquiry | 6 | | 1 |
| **BACH 1138** | *251B0* | Health and Research Design: General | 3 | | 1 |
| **BACH 1140** | *251B2* | Analysing Health Research: General | 3 | **A** Basic mathematics. | 1 |
| **BACH 1160** | *251D3* | Frameworks in Health and Community Settings | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1150** | *251C3* | Physical Disability, Interaction & Community | 6 | **A** Introduction to Health Psychology BACH 1133 (251A5) or equivalent. | 2 |
| **BACH 1151** | *251C4* | Clients, Practitioners & Organisations: Theoretical & Applied Perspective | 6 | | 2 |
| **BACH 2134** | *252B7* | Cognition and Neurocognitive Recovery | 4 | **A** Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). | 2 |
| **BIOS 1126** | *111D3X* | Human Biology and Biochemistry | 4 | **A** Basic Chemistry.<br>*NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.* | 2 |
| Select ONE of the following units[1] [2] (4 credit points each) | | | | | |
| **EXSS 1019** | *22115* | Fundamentals of Exercise Science | 4 | | 2 |
| **EXSS 3018** | *22318* | Management, Marketing and the Law | 4 | | 2 |
| **OCCP 1057** | *15158/ 15158X* | Creative Arts in Recreation | 4 | *NB: Advanced standing (for off-campus students only).* | 1 (on-campus), 2 (off-campus) |
| Semester 2 total: 24 credit points | | | | | |

Table 7.3: 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 |
|---|---|---|---|---|---|
| **■ Year 2 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 2038** | *2521R* | Health and Social Theory | 6 | **P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 1 |
| **BIOS 2095** | *112F0/ 112F0X* | Body Functions | 4 | | 1 (on-campus), 2 (off-campus) |
| **BACH 2138** | *252C3* | Psychological Disorders and Their Management | 5 | | 1 |
| **BACH 2135** | *252C0* | Communication and Conflict Management | 3 | **P** Introduction to Psychology. | 1 |
| **BACH 2136** | *252C1* | Community Action | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2039** | *2521S* | Organisational Studies | 6 | **A** Introduction to Health Psychology.<br>**P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 2 |
| **BACH 2137** | *252C2* | Health Policy Development | 6 | | 2 |
| Select TWO of the following units[1](3 credit points each) | | | | | |
| **BACH 3086** | *25384* | Life Span Psychology and the Family | 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 |
| Elective Studies[1 2] | | | 6 | | |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 3 (first offered in 2006)** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 3017** | *07351* | Health Promotion | 6 | | 1, from 2006 |
| **BACH 3121** | *253E4* | Counselling | 3 | **P** Introduction to Health Psychology BACH 1133 (251A5) and Behaviour Therapy (or equivalent). | 1 |
| **BACH 3122** | *253E5* | Psychosocial Aspects of Ageing | 6 | | 1 |
| **BACH 3123** | *253E6* | Professionals and the Workplace I | 3 | | 1 |
| **HIMT 3041** | *09342* | Human Resource Management | 3 | *NB: Student places are limited.* | 1 |
| Select ONE of the following units[1 2] (3 credit points each) | | | | | |
| **BACH 3094** | *25392* | Health Policy and Service Delivery | 3 | **P** Introduction to Health Sociology BACH 1029 (2511I). | 1 |
| **BACH 3118** | *253E1* | Social Dimensions of Biotechnology | 3 | **P** Health, Illness & Social Inquiry' or 'Foundations of Health Sociology or Introduction to Health Sociology' or 'Health & Social Theory. | 1 |
| **BACH 3119** | *253E2* | Environmental Health and Safety | 3 | | 1 |
| **BACH 3120** | *253E3* | Self, Society and Mental Health | 3 | **P** Health, Illness and Social Inquiry or Foundations of Health Sociology or Introduction to Health Sociology. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 3075** | *25373* | Health Psychology | 6 | **P** Psychological Disorders and their Treatment BACH 2129 (252A4). | 1 |
| **BACH 3124** | *253E7* | Professionals and the Workplace II | 6 | | 2 |
| Select ONE of the following units[1 2] (6 credit points each) | | | | | |
| **BACH 3125** | *253E8* | Evaluation for Health Settings | 6 | | 2 |
| **BACH 3126** | *253E9* | Research Project Development | 6 | | 2 |
| **BACH 3127** | *258F0* | History and Philosophy of Science | 6 | | 2 |
| Select ONE of the following units[1 2] (6 credit points each) | | | | | |
| **AHCD 3016** | *07350* | Writing a Research Prosposal | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 2 |
| **BACH 3128** | *253F1* | Health and Globalisation | 6 | | 2 |
| **BACH 3129** | *253F2* | Sociology of Alternative Healing Systems | 6 | **P** Health, Illness and Social Inquiry or Foundations of Health Sociology or Introduction to Heatlh Sociology. | 2 |
| **BACH 3130** | *253F3* | Sport, Society and Social Theory | 6 | **P** Health, Illness and Social Inquiry or Foundations of Health Sociology or Introducation to Health Sociology.<br>**N** Sociology of Sport. | 2 |
| Semester 2 total: 24 credit points | | | | | |

Table 7.3: 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 |
|---|---|---|---|---|---|
| **■ Year 4 Honours Stream (first offered in 2007)** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 4052** | *07445* | Honours Workshop | 6 | **P** Admitted to honours program. | 1 |
| Honours Elective[1 2 4] | | | 4 | | |
| **BACH 4078** | *25490* | Research Project 1 | 9 | | 1 |
| Research Support Elective[1 2 3] | | | 6 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 4080** | *25492* | Research Thesis Support 6 | 6 | **P** AHCD 3016 (07350) Wriitng Research Proposal and AHCD 4052 Honours Workshop. | 2 |
| **BACH 4079** | *25491* | Research Project 2 | 14 | | 2 |
| Honours Elective[1 2 4] | | | 4 | | |
| Semester 2 total: 24 credit points | | | | | |

**■ Notes to Table 7.3**

1. Electives are offered subject to staff availability and minimum enrolment.
2. 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. A list of electives available in the Faculty of Health Sciences is included in chapter 18 of the handbook.
3. Research Support Electives

| | | | | | |
|---|---|---|---|---|---|
| **BACH 4055** | *25454* | Intermediate Statistics | 6 | | 1 |
| **BACH 4056** | *25455* | Qualitative Research Methods | 6 | | 1, 2 |
| **BACH 4057** | *25456* | Survey Research Methods | 6 | | 2 |
| 4. Honours Electives | | | | | |
| **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).<br>**C** Psychosocial Well-being in Older Adults BACH 3098 (25396). | 1 |
| **BACH 4061** | *25460* | Organisational Psychology | 4 | **A** Psychology background.<br>*NB: Available is distance education mode.* | 1 |
| **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 7.4 and Table 7.5.

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 2531: Pass course; full-time, 4 years | | | | | |
| **■ Year 4 (last offered in 2004)** | | | | | |
| **Full Year units of study** | | | | | |
| **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).<br>**N** At coordinator's discretion. | Full year |
| **Semester 1** | | | | | |
| **BACH 4050** | *25449* | Research Methods: Intermediate Statistics | 3 | **P** Research Methods I: Design BACH 1026 (2511F). | 1 |
| **REHB 4002** | *25420* | Rehabilitation Counselling IIIA | 3 | **P** Rehabilitation Counselling IIB REHB 3003 (25308). | 1 |
| **REHB 4003** | *25421* | Rehabilitation Counselling IIIB | 3 | **P** Rehabilitation Counselling IIIA REHB 4002 (25420). | 1 |
| Elective V (from Group A) | | | 2 | | |
| **Semester 2** | | | | | |
| Elective VI (from Group A or B) | | | 2 | | |
| Elective VII (from Group A or B) | | | 2 | | |
| Year 4 total: 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 2560: Honours; full-time, 4 year | | | | | |
| **■ Year 4 (last offered in 2004)** | | | | | |
| **Full Year units of study** | | | | | |
| **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).<br>**N** At coordinator's discretion. | Full year |
| **REHB 4006** | *25425* | Thesis | 15 | | Full year |
| **Semester 1** | | | | | |
| **REHB 4002** | *25420* | Rehabilitation Counselling IIIA | 3 | **P** Rehabilitation Counselling IIB REHB 3003 (25308). | 1 |
| **REHB 4003** | *25421* | Rehabilitation Counselling IIIB | 3 | **P** Rehabilitation Counselling IIIA REHB 4002 (25420). | 1 |
| Year 4 total: 48 credit points | | | | | |

Table 7.5: 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** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1133** | *251A5* | Introduction to Health Psychology | 6 | | 1 |
| **BACH 1134** | *251A6* | Health, Illness and Social Inquiry | 6 | | 1 |
| **REHB 1000** | *25136* | Vocational Rehabilitation IA | 3 | | 1 |
| **REHB 1002** | *25138* | Introduction to Rehabilitation Philosophy | 3 | | 1 |

Table 7.5: 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 |
|---|---|---|---|---|---|
| **REHB 1008** | *251D1* | Professional Practice IA | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1153** | *251C6* | Rehabilitation Psychology | 4 | **A** Introduction to Health Psychology BACH 1133 (251A5) or equivalent. | 2 |
| **BIOS 1126** | *111D3X* | Human Biology and Biochemistry | 4 | **A** Basic Chemistry.<br>*NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.* | 2 |
| **REHB 1001** | *25137* | Vocational Rehabilitation IB | 3 | **P** Vocational Rehabilitation IA REHB 1000 (25136). | 2 |
| **REHB 1003** | *25139* | Ethical Perspectives of Rehabilitation | 3 | | 2 |
| **REHB 1007** | *251C8* | Rehabilitation Counselling I | 3 | | 2 |
| **REHB 1009** | *251D2* | Professional Practice IB | 7 | | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **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).<br>*NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.* | 1 (off-campus), 2 (on-campus) |
| **REHB 2004** | *25228* | Case Management & Rehabilitation Planning | 2 | | 1 |
| **REHB 2006** | *25230* | Occupational Health, Disability & Rehabilitation A | 2 | | 1 |
| **REHB 2009** | *252A7* | Vocational Rehabilitation IIA | 3 | | 1 |
| **REHB 2011** | *252A9* | Rehabilitation Counselling IIA | 3 | **P** Rehabilitation Counselling I REHB 1007 (251C8).<br>*NB: Textbooks; Intentional Interviewing (2003) Ivey.A.* | |
| **REHB 2014** | *252B2* | Philosophy and Politics of Disability and Rehabilitation | 2 | | 1 |
| **REHB 2017** | *252B8* | Professional Practice IIA | 7 | | 1 |
| Semester 1 total: 27 credit points | | | | | |
| **Semester 2** | | | | | |
| **REHB 2007** | *25231* | Occupational Health, Disability & Rehabilitation B | 2 | | 2 |
| **REHB 2010** | *252A8* | Vocational Rehabilitation IIB | 3 | **P** Vocational Rehabilitation IIA REHB 2009 (252A7). | 2 |
| **REHB 2012** | *252B0* | Rehabilitation Counselling IIB | 3 | **P** Rehabilitation Counselling IIA REHB 2011 (252A9). | 2 |
| **REHB 2015** | *252B3* | Legal Perspectives of Rehabiliation | 2 | | 2 |
| **REHB 2016** | *252B6* | Accident Compensation Schemes Practicum | 2 | **P** Case Management & Rehabilitation Planning REHB 2004 (25228). | 2 |
| **REHB 2018** | *252B9* | Professional Practice IIB | 9 | | 2 |
| Semester 2 total: 21 credit points | | | | | |
| ■ **Year 3 (first offered in 2004)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 3115** | *253C7* | Behaviour Disorders and Management | 3 | | 1 |
| **REHB 3037** | *253C9* | Vocational Rehabilitation IIIA | 3 | | 1 |
| **REHB 3042** | *253D4* | Rehabilitation Counselling IIIA | 3 | **P** Rehabilitation Counselling IIB REHB 2012 (252B0). | 1 |
| **REHB 3044** | *253D6* | Medical Aspects of Disability | 3 | | 1 |
| **REHB 3047** | *253D9* | Professional Practice IIIA | 5 | | 1 |
| Elective I (from Group A)<br>Elective II (from Group A) | | | 2<br>2 | | |
| Semester 1 total: 21 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1143** | *251B5* | Designing Health Research | 3 | | 2 |
| **REHB 3038** | *253D0* | Vocational Rehabilitation IIIB | 3 | | 2 |
| **REHB 3039** | *253D1* | Avocational Rehabilitation | 3 | | 2 |

## Table 7.5: 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 |
|---|---|---|---|---|---|
| **REHB 3040** | *253D2* | Psychiatric Rehabilitation | 3 | **P** Rehabilitation counselling units year 1 and year 2. | 2 |
| **REHB 3043** | *253D5* | Rehabilitation Counselling IIIB | 3 | **P** Rehabilitation Counselling IIIA REHB 3042 (253D4). | 2 |
| **REHB 3048** | *253E0* | Professional Practice IIIB | 10 | | 2 |
| Elective III (from Group A or B) | | | 2 | | |
| Semester 2 total: 27 credit points | | | | | |
| ■ **Year 4 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1144** | *251B6* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 1 |
| **REHB 4009** | *25475* | Rehabilitation Counselling IV | 3 | **P** Rehabilitation Counselling IIIB REHB 3043 (253D5). | 1 |
| **REHB 4013** | *25480* | Professional Practice IVA | 7 | **P** Professional Practice 1A REHB 1008 (251D1), Professional Practice 1B REHB 1009 (251D2), Professional Practice IIA REHB 2017 (252B8), Professional Practice IIB REHB 2018 (252B9), Professional Practice IIIA REHB 3046, Professional Practice IIIB REHB 3047 (253E0).<br>**N** At coordinator's discretion. | 1 |
| **REHB 4017** | *25484* | Group Research Project A | 3 | | 1 |
| Elective IV (from Group A)<br>Elective V (from Group A or B)<br>Elective VI (from Group A or B)<br>Elective VII (from Group A or B) | | | | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **REHB 4014** | *25481* | Professional Practice IVB | 20 | **P** Professional Practice 1A REHB 1008 (251D1), Professional Practice 1B REHB 1009 (251D2), Professional Practice IIA REHB 2017 (252B8), Professional Practice IIB REHB 2018 (252B9), Professional Practice IIIA REHB 3046, Professional Practice IIIB REHB 3047 (253E0).<br>**N** At coordinator's discretion. | 2 |
| **REHB 4018** | *25485* | Group Research Project B | 4 | **P** Research Project A REHB 4017 (25484). | 2 |
| Semester 2 total: 24 credit points | | | | | |

## Table 7.5.1: 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: | | | | | |
| **Semester 1** | | | | | |
| **BACH 4019** | *25418* | History & Philosophy of Scientific Methodology | 3 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **REHB 4045** | *25318* | Honours Workshop | 2 | | 2 |
| Semester 2 total: 29 credit points | | | | | |
| ■ **Year 4 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1144** | *251B6* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 1 |
| **REHB 4010** | *25476* | Rehabilitation Counselling IVH | 4 | | 1 |
| **REHB 4015** | *25482* | Professional Practice IVHA | 7 | **P** Professional Practice 1A REHB 1008 (251D1), Professional Practice 1B REHB 1009 (251D2), Professional Practice IIA REHB 2017 (252B8), Professional Practice IIB REHB 2018 (252B9), Professional Practice IIIA REHB 3046, Professional Practice IIIB REHB 3047 (253E0). | 1 |
| **REHB 4019** | *25486* | Thesis A | 7 | | 1 |
| Semester 1 total: 21 credit points | | | | | |

Table 7.5.1: Bachelor of Health Science (Rehabilitation Counselling) Honours (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **Semester 2** | | | | | |
| **REHB 4016** | *25483* | Professional Practice IVHB | 20 | **P** Professional Practice 1A REHB 1008 (251D1), Professional Practice 1B REHB 1009 251D2, Professional Practice IIA REHB 2017 (252B8), Professional Practice IIB REHB 2018 (252B9), Professional Practice IIIA REHB 3046, Professional Practice IIIB REHB 3047 (253E0).<br>**N** At coordinator's discretion. | 2 |
| **REHB 4020** | *25487* | Thesis B | 7 | **P** Thesis A REHB 4019 (25486). | 2 |
| Semester 2 total: 27 credit points | | | | | |

## Notes to Tables 7.4 and 7.5

| 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 3027** | *253A4* | Rehabilitation and Older People | 2 | | 2 |
| **REHB 3028** | *253A5* | Rehabilitation of Persons with Acquired Brain Injury | 2 | | 1 |
| **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 2004.* | 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 2004.* | |
| **REHB 3033** | *253B1* | Rehabilitation of Persons Living with HIV/AIDS | 2 | *NB: Offered depending on staff availability.* | 1, 2 |
| **REHB 3034** | *253B2* | Rehabilitation & Post-Traumatic Stress Disorder | 2 | | 1 |
| **REHB 3035** | *253B3* | Chronic Pain in Rehabilitation | 2 | *NB: Not offered In 2004.* | 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.<br>**N** Cognitive and Cognitive Impairment; Cognitive Factors in Health; Cognition and Neurocognitive Recovery. | 2 |
| **BACH 3114** | *253C6* | Behaviour Modificiation & Cognitive Therapy | 2 | | 1, 2 |
| **REHB 3036** | *253B4* | Leisure & Recreation for People with Disability | 2 | **P** Avocational Rehabilitation.<br>*NB: Not offered in 2004.* | 2 |
| Students 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.<br>*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[1]***

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.

***Year 3***

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 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 attitudes, 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%), Presentation (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 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 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 1150 Physical Disability, Interaction & Community

Old code 251C3. 6 credit points. **Semester**: 2. **Assumed knowledge**: 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 settings 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 settings; 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' Practiioners 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 1160 Frameworks in Health and Community Settings

Old code 251D3. 6 credit points. **Semester**: 1.

This unit introduces students to some key requirements of working in health and community services. The development of relevant international agreements is considered from a sociological perspective. Students are then introduced to related aspects of the legislative framework which underlies provision of health and community services in Australia. Policy, administration and dispute resolution principles are discussed in this context. Students will also consider substantive law relevant to health settings such as negligence, assault and consent and false imprisonment along with the law of torts, and rules of evidence.

### BACH 2038 Health and Social Theory

Old code 2521R. 6 credit points. Mr Dennis McIntyre. **Semester**: 1. **Classes**: On campus 4 hours/week. **Prerequisite**: Health, Illness and Social Inquiry BACH 1134 (251A6). **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**: Health, Illness and Social Inquiry BACH 1134 (251A6).

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

### 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 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). **Prohibition**: Cognitive Factors in Health; Cognition and Neurocognitive Recovery. **Assessment**: Aassignment and examination.

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 and Their Treatment

Old code 252A4. 6 credit points. **Semester**: 1. **Assumed knowledge**: Introduction to Health Psychology BACH 1133 (251A5). **Assessment**: Assignment, class work and examinations.

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 settings 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.

Course code 1684: full-time, 2 years

### BACH 2131 Policy and Service Delivery in Health

Old code 252A6. 6 credit points. **Semester**: 2. **Prerequisite**: Health, Illness and Social Inquiry BACH 1134 (251A6). **Assessment**: Assignments and examination.

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 2134 **Cognition and Neurocognitive Recovery**

Old code 252B7. 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). **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 3075 **Health Psychology**

Old code 25373. 6 credit points. Dr Barbara Adamson. **Semester**: 1. **Classes**: Lecture and Seminar. **Prerequisite**: Psychological Disorders and their Treatment BACH 2129 (252A4). **Assessment**: Assignments and examination.

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 setting and developing coping skills.

*Textbooks*

Manual and text

### BACH 3076 **Counselling and Assessment**

Old code 25374. 6 credit points. Dr Chris Lennings. **Semester**: 1. **Prerequisite**: Psychological Disorders and their Treatment BACH 2129 (252A4). **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**: Professional Practice and Ethics I BACH 1025 (2511E). **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. Dr Zakia Hossain. **Semester**: 1. **Classes**: 4 hours/week. **Prerequisite**: Policy and Service Delivery in Health BACH 2131 (252A6). **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**: 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 3083 **Culture, Health and Illness**

Old code 25381. 3 credit points. Ms Ann Hale. **Semester**: 1, 2. **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**: 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 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 2004*

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. **Assumed knowledge**: Counselling and Assessment BACH 3076 (25374) or equivalent. **Assessment**: Case study discussions and critiques.

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.

### 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.

### 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 settings, 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 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 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**: 1, 2. **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). **Corequisite**: Psychosocial Well-being in Older Adults BACH 3098 (25396). **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.

### BACH 4061 **Organisational Psychology**

Old code 25460. 4 credit points. Dr Barbara Adamson. **Semester**: 1. **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 settings, 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 attitude 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 attitudes 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 attitudes toward disability, attitudes of particular goups in the community and strategies for improving community attitudes 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 attitudes 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 4076 **Research Project 1**

Old code 25488. 14 credit points. **Semester**: 1.

Students will undertake a supervised research project and will complete a literature review on their research topic.

### BACH 4077 **Research Project 2**

Old code 25489. 20 credit points. **Semester**: 2.
Students will complete a supervised research project and submit a research paper or thesis.

### 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 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 Elizabeth Hegedus. **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.

### 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 3041 **Human Resource Management**

Old code 09342. 3 credit points. Joanne Callen/Linda Ernst (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance 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 1057 **Creative Arts in Recreation**

Old code 15158/15158X. 4 credit points. Dr Norm Kelk. **Semester**: 1 (on-campus), 2 (off-campus). **Classes**: On campus 3 hours/week. **Assessment**: Assignments.
*NB: Advanced standing (for off-campus students 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.

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

### AHCD 3012 **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 attitudes, 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%), Presentation (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 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 1153 Rehabilitation Psychology

Old code 251C6. 4 credit points. Dr Rosemary Pynor (93519598), Dr Barbara Adamson (93519579), Dr Gomathi Sitharthan (93519584) and Dr Rob Heard 93519498). **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 attitudes 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 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 Cognitive Impairment; Cognitive Factors in Health; Cognition and Neurocognitive Recovery. **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.

### BACH 3114 Behaviour Modificiation & Cognitive Therapy

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

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

### BACH 3115 Behaviour Disorders and Management

Old code 253C7. 3 credit points. **Semester**: 1.

The application of behavioural techniques to a variety of situations is studied. 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 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 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 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 Elizabeth Hegedus. **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 (off-campus), 2 (on-campus). **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.

### HIMT 1039 Microcomputer Applications

Old code 09139. 4 credit points. Dr Joe Huang (02) 9351 9566. **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/Linda Ernst (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance 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. Mr Trevor 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. Mr Trevor Hawkins. **Semester**: 2. **Classes**: On campus 2 hours/week, Off campus. **Prerequisite**: Vocational Rehabilitation IA REHB 1000 (25136). **Assessment**: Practical exercise 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 Rehabilitation Philosophy**

Old code 25138. 3 credit points. Dr Rod Rothwell. **Semester**: 1. **Classes**: On campus 2 hours/week. **Assessment**: 1500 words Essay + Practical Exercise.

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 attitudes 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. Dr Lynda Matthews. **Semester**: 2. **Classes**: On campus 2 hours/week. **Assessment**: Log Book and examination.

The unit provides an introduction to ethical 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 1007 **Rehabilitation Counselling I**

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 1008 **Professional Practice IA**

Old code 251D1. 6 credit points. **Semester**: 1.

This unit comprises an essential component of the overall process of developing professional competence and identity as a rehabilitation counsellor. Students become familiar with the different kinds of disability and disadvantage in Australia and, at the same time, begin to develop an understanding of the clients whom they will meet in Semester 2. Students choose a variety of media items, comment on the attitudes contained in those items and submit them as a logbook at the end of the semester.

### REHB 1009 **Professional Practice IB**

Old code 251D2. 7 credit points. **Semester**: 2.

Students are familiarised with the role and function of the rehabilitation counsellor through field visits, participation in seminars and workshops conducted on campus and/or at selected agencies, and participation in tutorials in preparation for field placements.

### 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 work organisations that have had a major impact on occupational injuries and disabilities. Particular attention is paid to issues of significance to vocational rehabilitation such as occupational health policy and shareholder interests,, 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. Worker's compensation and injury management are key features of the course.

### REHB 2009 **Vocational Rehabilitation IIA**

Old code 252A7. 3 credit points. Mr Trevor Hawkins. **Semester**: 1. **Classes**: 2 hours/week. **Assessment**: Practical assignment, examination, and assessment clinic participation.

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 IIB**

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, assessment clinic participation.

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. **Classes**: 2 hours. **Prerequisite**: Rehabilitation Counselling I REHB 1007 (251C8). **Assessment**: Assignment.

*NB: Textbooks; Intentional Interviewing (2003) Ivey.A.*

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 IIB**

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 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. **Prerequisite**: Case Management & Rehabilitation Planning REHB 2004 (25228). **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 2017 Professional Practice IIA

Old code 252B8. 7 credit points. **Semester**: 1.

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.

### REHB 2018 Professional Practice IIB

Old code 252B9. 9 credit points. **Semester**: 2.

Students will complete one five week 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 setting knowledge acquired in their studies.

### 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 attitudes 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 3027 Rehabilitation and Older People

Old code 253A4. 2 credit points. Dr Cherry Russell. **Semester**: 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. **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. **Classes**: Contract learning.

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 3036 Leisure & Recreation for People with Disability

Old code 253B4. 2 credit points. **Semester**: 2. **Prerequisite**: Avocational Rehabilitation. **Assessment**: Final assignment, class exercises.

*NB: Not offered in 2004*

The unit provides students with an opportunity to extend specific avocational knowledge and skills development within a rehabilitation counselling framework. A focus on leisure and recreation for a group of people who identify with particular perspectives on disability, culture or disadvantage is encouraged.

### REHB 3037 Vocational Rehabilitation IIIA

Old code 253C9. 3 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 3038 **Vocational Rehabilitation IIIB**

Old code 253D0. 3 credit points. **Semester**: 2.
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.

### REHB 3039 **Avocational Rehabilitation**

Old code 253D1. 3 credit points. **Semester**: 2.
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 3040 **Psychiatric Rehabilitation**

Old code 253D2. 3 credit points. Dr Lynda Matthews. **Semester**: 2. **Classes**: On campus 2 hours/week. **Prerequisite**: Rehabilitation counselling units year 1 and year 2. **Assessment**: Assignment.
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 3042 **Rehabilitation Counselling IIIA**

Old code 253D4. 3 credit points. **Semester**: 1. **Prerequisite**: Rehabilitation Counselling IIB REHB 2012 (252B0).
This unit covers adjustment to disability theory and the application of counselling skills applied in a rehabilitation counselling context.

### REHB 3043 **Rehabilitation Counselling IIIB**

Old code 253D5. 3 credit points. **Semester**: 2. **Prerequisite**: Rehabilitation Counselling IIIA REHB 3042 (253D4).
This unit provides students with introduction to and practice in solution-focused Brief Therapy.

### REHB 3044 **Medical Aspects of Disability**

Old code 253D6. 3 credit points. Dr Lynda Matthews. **Semester**: 1. **Classes**: 2 hours/week.
This unit aims to provide a background of information and knowledge which is essential for effective rehabilitation practice. It develops the students' general knowledge of the medical basis of disability, as well as giving them the opportunity to acquire specialised expertise in particular areas.

### REHB 3047 **Professional Practice IIIA**

Old code 253D9. 5 credit points. **Semester**: 1.
\tStudents will participate in regular Professional Development Workshops and Lectures aimed at enhancing their professional knowledge and skill base across the rehabilitation and disability fields.

### REHB 3048 **Professional Practice IIIB**

Old code 253E0. 10 credit points. **Semester**: 2.
\tStudents are required to complete a supervised five-week full-time placement in a rehabilitation or related program. Students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning, in a supervised setting.

### REHB 4002 **Rehabilitation Counselling IIIA**

Old code 25420. 3 credit points. Ms Sandra Bentley. **Semester**: 1. **Classes**: 2 hours/week. **Prerequisite**: Rehabilitation Counselling IIB REHB 3003 (25308). **Assessment**: Assignments.
This unit provides students with introduction to and practice in solution-focused Brief Therapy.

### REHB 4003 **Rehabilitation Counselling IIIB**

Old code 25421. 3 credit points. Ms Sandra Bentley. **Semester**: 1. **Classes**: 2 hours/week. **Prerequisite**: Rehabilitation Counselling IIIA REHB 4002 (25420). **Assessment**: Interview.
Interview practice which focuses on the application of solution focussed Brief Therapy 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 Crocker. **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 setting.
**Practical**: As per description
*Textbooks*
Subject manual only

### REHB 4006 **Thesis**

Old code 25425. 15 credit points. Dr Lydna Matthews. **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

### REHB 4045 **Honours Workshop**

Old code 25318. 2 credit points. Dr Lynda Matthews. **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.

## Summary of Behavioural Science undergraduate 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 | 2511N | Introduction to Health Sociology | 2 |
| BACH 1036 | 2511P | 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, Attitudes 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 |
| 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, Attitudes 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 IIB | 2 |
| BACH 2022 | 2521B | Psychology of Work and Management | 2 |
| BACH 2023 | 2521C | Rehabilitation Psychology IIA | 1 |
| BACH 2024 | 2521D | Rehabilitation Psychology IIB | 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 |

## Summary of Behavioural Science undergraduate units of study (continued)

| Unit code | Old code | Unit name | Semester |
|---|---|---|---|
| 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 2125 | 252A0 | Maladaptive Behaviours and Behaviour Change | 1 |
| BACH 2126 | 252A1 | Maladaptive Behaviours and 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 IIIA | 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 |
| BACH 3078 | 25376 | Professional Practice and Ethics II | 1 |
| BACH 3079 | 25377 | Health Policy Development | 1 |
| BACH 3081 | 25379 | Sociology of Sport | 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 |
| BACH 3111 | 253C3 | Lifespan Psychology and Family | 2 |
| BACH 3112 | 253C4 | Alternative Medicine | 2 |
| BACH 3113 | 253C5 | Cognitive Functioning | 2 |
| BACH 3115 | 253C7 | Behaviour Disorders and Management | 1 |
| BACH 3116 | 253C8 | Designing Health and Social Research | 2 |
| BACH 3117 | 253D7 | Sociology of the Aged and Ageing | 2 |
| BACH 4017 | 25416 | Epidemiological Research | 2 |

## Summary of Behavioural Science undergraduate units of study (continued)

| Unit code | Old code | Unit name | Semester |
|---|---|---|---|
| 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 |
| BACH 4073 | 25472 | Metabolic Epidemiology for Health Professionals | 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 programs, Master/Graduate Diploma/Graduate Certificate in Sexual Health and 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 undergaduate units of study

| Unit code | 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 1A | 1 |
| BIOS 1120 | 111C7 | Introductory Radiation Physics 1B | 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 3031 | 11386 | Bio-electrical Signals and Computing | 2 |
| BIOS 3032 | 11387 | Embryology and Neural Plasticity | 2 |
| BIOS 3042 | 11397/11397X | Biological Sciences IIIA | 1 |
| BIOS 3043 | 11398/11398X | Biological Sciences IIIB | 2 |
| BIOS 3046 | 113A1 | Biological Sciences III | 1, 2 |
| BIOS 3050 | 11343 | Oncology B | 1 |
| BIOS 3051 | 113A4 | Biological Sciences IIIA | 1 |
| BIOS 3053 | 113A6 | Applied Body Systems 3 | 1 |

Summary of Biomedical Sciences undergaduate units of study (continued)

| Unit code | Old code | Unit name | Semester |
|---|---|---|---|
| BIOS 3054 | 113A7 | Contemporary Issues in Biomedical Sciences | 2 |
| BIOS 3056 | 113A9 | Principles of Toxicology 1 | 1,2 |
| BIOS 3057 | 113B0 | Principles of Toxicology 2 | 1,2 |
| BIOS 3058 | 113B1 | Principles of Taxicology 3 | 1,2 |
| BIOS 3059 | 113B2 | Principles of Toxicological Testing | 1,2 |
| BIOS 3060 | 113B3 | Clinical Neuroscience | 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 |
| 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. Our program in speech-language pathology prepares students for clinical practice with a wide variety of communication disorders and in a variety of clinical settings. The program includes a large component of clinical practice both in our on-campus clinic and in external clinics in various community, hospital and school settings, in metropolitan, regional and rural areas. There are some opportunities for overseas clinical placements for limited numbers of students. The on-campus clinic leads the profession in clinical practice, has state-of-the-art facilities and a diverse client base. The speech-language pathology degree program provides a comprehensive curriculum that prepares our graduates for work in a wide variety of occupational settings. The School is committed to the goal of graduating competent beginning practitioners in speech pathology and offers a comprehensive program that addresses all of the competencies formulated by the speech pathology profession in Australia. In addition to discipline specific skills, the School promotes the development of student's generic skills, including learning skills, communication skills, a sense of ethics, and personal attributes of tolerance and integrity.

In addition to offering an undergraduate Speech Pathology professional preparation program, the School also offers a generic undergraduate degree focusing on human communication. This degree program offers a strong grounding in biomedical sciences, behavioural sciences and communication sciences as well as fieldwork placements in a diverse range of settings. This degree program provides a good background for students planning to enter a graduate program in health sciences.

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. The School has an international reputation in disability, language and stuttering. 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

The School is awaiting approval for two new specialist, distance Masters degree program in stuttering and ACC. Subject to approval these will be available for semester 2, 2004 enrolments.

- 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 practice 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 settings 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 settings.

### 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 csdinfo@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 totaling 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.

### 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: 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<br>Course code 1206: Pass course; full-time; 4 years<br>Course code 1217: Honours program; full-time, 4 years | | | | | |
| **Pass course** | | | | | |
| ■ **Year 1: Foundation Year** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1129** | *251A1* | Foundations of Health Sociology | 3 | | 1 |
| **BACH 1131** | *251A3* | Foundations of Psychology for the Health Sciences | 3 | | 1 |
| **BIOS 1116** | *111C3* | Speech Science I | 3 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | 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 |
| **CSCD 1024** | *12124* | Linguistics | 3 | | 1 |
| **CSCD 1026** | *12126* | Phonetics I | 2 | | 1 |
| **CSCD 1028** | *12128* | Normal Communication Development | 3 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **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 and 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 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 1141** | *111E8* | Neuroscience II | 3 | | 2 |
| **CSCD 1025** | *12125* | Professional Development I: Introduction to Professional Learning | 2 | | 2 |
| **CSCD 1029** | *12129* | Articulation and Phonology | 4 | **A** Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1142** | *251B4* | Designing Health Research | 3 | | 1 |
| **BIOS 2062** | *112B3* | Neurobiology II for Communication Disorders | 6 | **P** Neuroscience I BIOS 1131 (111D8), Neuroscience II BIOS 1141 (111E8). | 1 |
| **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 BIO1118 (111C5). | 1 |
| **CSCD 2040** | *12288* | Audiology I | 3 | **P** (or Corequisite by permission) Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 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 2043** | *12291* | Stuttering | 3 | | 1 |
| **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 2051** | *12299* | Professional Development IIA: Fieldwork and Clinical Skills | 3 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2109** | *25285* | Cognitive Neuropsychology I | 5 | **P** (or corequisite by permission) Cognitive Factors in Health BACH 1159 (251C9). | 2 |
| **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 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 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 |

Table 9.1: 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 2049** | *12297* | Introductory Speech Path Clinical II | 3 | **P** Introductory Speech Pathology Clinical I CSCD 2048 (12296), Stuttering CSCD 2043 (12291). | 2 |
| **CSCD 2052** | *122A0* | Professional Development IIB: Fieldwork and Clinical Skills | 3 | **P** Professional Development I: Introduction to Professional Learning CSCD 1025 (12125), Introductory Speech Pathology I CSCD 2048 (12296), Introductory Speech Pathology II CSCD 2049 (12297).<br>**C** One of the following units of study: Communication Fieldwork I CSCD 2053 (122A1), Communication Fieldwork II CSCD 2054 (122A2). | 2 |
| Semester 2 total: 24 credit points | | | | | |

## ■ Year 3

Students at the beginning of Year 3 will be assigned to either Group A or B for Clinic units of study.

**Group A**

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **BACH 1144** | *251B6* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 1 |
| **BACH 3056** | *25354* | Patient Management: Theories and Applications | 5 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3), Cognitive Factors in Health BACH 1159 (251C9), Maladaptive Behaviours and Behaviour Change BACH 2126 (252A1). | 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 and Lifelong Disability | 3 | **P** Normal Communication Development CSCD 1028 (12128).<br>*NB: Both assessments and site visit must be completed to pass this course.* | 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).<br>**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 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 3063** | *12367* | Intermediate Speech Pathology Clinical IA | 4 | **P** Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290). | 1 |
| Semester 1 total: 24 credit points | | | | | |

**Semester 2**

| | | | | | |
|---|---|---|---|---|---|
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |
| **BACH 1148** | *251C0* | Health, Attitudes 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 |
| **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).<br>**P** Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290). | 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).<br>**P** Audiology I CSCD 2040 (12288). | 2 |
| **CSCD 3064** | *12368* | Intermediate Speech Pathology Clinical IIA | 8 | **P** Intermediate Speech Pathology Clinical IA CSCD 3063 (12367), Neurology II for Communication Disorders BIOS 2062 (112B3), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278). | 2 |
| Semester 2 total: 24 credit points | | | | | |

**Group B**

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **BACH 1144** | *251B6* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 1 |
| **BACH 3056** | *25354* | Patient Management: Theories and Applications | 5 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3), Cognitive Factors in Health BACH 1159 (251C9), Maladaptive Behaviours and Behaviour Change BACH 2126 (252A1). | 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 and Lifelong Disability | 3 | **P** Normal Communication Development CSCD 1028 (12128).<br>*NB: Both assessments and site visit must be completed to pass this course.* | 1 |

Table 9.1: 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 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).<br>**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 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 3065** | *12369* | Intermediate Speech Pathology Clinical IB | 4 | **P** Audiology I CSCD 2040 (12288), Introductory Speech Pathology Clinical II CSCD 2049 (12297), Language Impairments in Children II CSCD 2042 (12290). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |
| **BACH 1148** | *251C0* | Health, Attitudes 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 |
| **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).<br>**P** Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290). | 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).<br>**P** Audiology I CSCD 2040 (12288). | 2 |
| **CSCD 3066** | *12370* | Intermediate Speech Pathology Clinical IIB | 8 | **P** Intermediate Speech Pathology Clinical IB CSCD 3065 (12369), Neurology II for Communication Disorders BIOS 2062 (112B3), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278). | 2 |
| Semester 2 total: 24 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. 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**

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **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).<br>**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 4042** | *12448* | Clinical Mentoring A | 2 | **P** (or Corequisite) Advanced Speech Pathology Clinical IA CSCD 4028 (12433). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **CSCD 4029** | *12434* | Advanced Speech Pathology Clinical IIA | 24 | **P** Intermediate Speech Pathology Clinical II CSCD 3039 (12343). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| **Group B** | | | | | |
| **Semester 2** | | | | | |
| **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 |
| **CSCD 4031** | *12436* | Professional Development IVB: Advanced Issues | 6 | **A** Recommended background unit of study: Intermediate Speech Pathology Clinical IA CSCD 3063 (12367) or IB CSCD 3065 (12369) and Intermediate Speech Pathology Clinical IIA CSCD 3064 (12368) or IIB CSCD 3066 (12370).<br>**P** Professional Development III: Management Skills CSCD 3032 (12336). | 2 |

Table 9.1: 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 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 the Head of School. | 2 |
| **CSCD 4043** | *12449* | Clinical Mentoring B | 2 | **P** (or Corequisite) Advanced Speech Pathology Clinical IB CSCD 4032 (12437). | 2 |
| Semester 2 total: 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

### ■ Years 1 and 2

As per Pass course

### ■ Year 3

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **BACH 1144** | *251B6* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 1 |
| **BACH 3056** | *25354* | Patient Management: Theories and Applications | 5 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3), Cognitive Factors in Health BACH 1159 (251C9), Maladaptive Behaviours and Behaviour Change BACH 2126 (252A1). | 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 and Lifelong Disability | 3 | **P** Normal Communication Development CSCD 1028 (12128).<br>*NB: Both assessments and site visit must be completed to pass this course.* | 1 |
| **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 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).<br>**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 IIB: Fieldwork and Clinical Skills CSCD 2052 (122A0). | 1 |
| Semester 1 total: 24 credit points | | | | | |

**Semester 2**

| | | | | | |
|---|---|---|---|---|---|
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |
| **BACH 1148** | *251C0* | Health, Attitudes 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 |
| **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).<br>**P** Language Impairments in Children I CSCD 2041 (12289), Language Impairments in Children II CSCD 2042 (12290). | 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).<br>**P** Audiology I CSCD 2040 (12288). | 2 |
| **CSCD 3053** | *12351* | Intermediate Speech Pathology Clinical IIH | 7 | **P** Intermediate Speech Pathology Clinical IH CSCD 3050 (12348), Neurobiology II for Communication Disorders BIOS 2062 (112B3), 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 3054** | *12352* | Honours Research Sem II: Research Proposal | 1 | **A** Recommended background units of study: Research Methods I: Design BACH 1026 (2511F) and Research Methods II: Data Analysis and Statistics BACH 1028 (2511H).<br>**P** Honours Research Seminar I CSCD 3051 (12349). | 2 |
| Semester 2 total: 24 credit points | | | | | |

### ■ Year 4: Clinical/Professional Year

| | | | | | |
|---|---|---|---|---|---|
| **CSCD 4035** | *12440* | Advanced Speech Pathology Clinical IH | 22 | **P** Intermediate Speech Pathology Clinical IIA CSCD 3064 (12368) or Intermediate Speech Pathology Clinical IIB CSCD 3066 (12370) or Intermediate Speech Pathology Clinical IIH CSCD 3053 (12351). | 1 |
| **CSCD 4036** | *12441* | Professional Development IVH: Advanced Issues | 2 | **A** Intermediate Speech Pathology Clinical IH CSCD 3050 (12348).<br>**P** Professional Development IIIH: Management Skills CSCD 3052 (12350). | 2 |

Table 9.1: 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 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 H | 2 | **P** (or Corequisite) Advanced Speech Pathology Clinical IIH CSCD 4037 (12442). | 2 |
| Year 4 total: 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 at HSC level.

### Course outlines

The course outlines for standard progression in the Bachelor of Health Science (Hearing and Speech) are presented in Table 9.2.

Table 9.2: 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<br>Course code 1221: Pass course; full-time, 3 years<br>Course code 1222: Honours program; full-time, 4 years | | | | | |
| **Pass course** | | | | | |
| ■ **Year 1: Foundation Year** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1129** | *251A1* | Foundations of Health Sociology | 3 | | 1 |
| **BACH 1131** | *251A3* | Foundations of Psychology for the Health Sciences | 3 | | 1 |
| **BIOS 1116** | *111C3* | Speech Science I | 3 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | Human Biology and Biochemistry | 4 | **A** Basic Chemistry.<br>*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 |
| **CSCD 1024** | *12124* | Linguistics | 3 | | 1 |
| **CSCD 1026** | *12126* | Phonetics I | 2 | | 1 |
| **CSCD 1028** | *12128* | Normal Communication Development | 3 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **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 and 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 1117** | *111C4* | Speech Science II | 3 | **C** Hearing Science BIOS 1118 (111C5) Recommended background units of study Speech Science I BIOS 1116 (111C3). | 2 |

Table 9.2: 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 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 1141** | *111E8* | Neuroscience II | 3 | | 2 |
| **CSCD 1025** | *12125* | Professional Development I: Introduction to Professional Learning | 2 | | 2 |
| **CSCD 1029** | *12129* | Articulation and Phonology | 4 | **A** Linguistics CSCD 1024 (12124), Normal Communication Development CSCD 1028 (12128), Phonetics I CSCD 1026 (12126). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1142** | *251B4* | Designing Health Research | 3 | | 1 |
| **BIOS 2062** | *112B3* | Neurobiology II for Communication Disorders | 6 | **P** Neuroscience I BIOS 1131 (111D8), Neuroscience II BIOS 1141 (111E8). | 1 |
| **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 BIO1118 (111C5). | 1 |
| **CSCD 2040** | *12288* | Audiology I | 3 | **P** (or Corequisite by permission) Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 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 2043** | *12291* | Stuttering | 3 | | 1 |
| **CSCD 2051** | *12299* | Professional Development IIA: Fieldwork and Clinical Skills | 3 | | 1 |
| **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 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2109** | *25285* | Cognitive Neuropsychology I | 5 | **P** (or corequisite by permission) Cognitive Factors in Health BACH 1159 (251C9). | 2 |
| **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 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 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 2052** | *122A0* | Professional Development IIB: Fieldwork and Clinical Skills | 3 | **P** Professional Development I: Introduction to Professional Learning CSCD 1025 (12125), Introductory Speech Pathology I CSCD 2048 (12296), Introductory Speech Pathology II CSCD 2049 (12297).<br>**C** One of the following units of study: Communication Fieldwork I CSCD 2053 (122A1), Communication Fieldwork II CSCD 2054 (122A2). | 2 |
| **CSCD 2054** | *122A2* | Communication Fieldwork II | 3 | **P** Communication Fieldwork I CSCD 2053 (122A1). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 3** | | | | | |
| **Semester 1 or 2 unit of study** | | | | | |
| **CSCD 3057** | *12355* | Communication Fieldwork IV | 8 | **P** Audiological Management I CSCD 2046 (12294), Communication Fieldwork III CSCD 3056 (12354). | 1, 2 |
| **Semester 1** | | | | | |
| **BACH 1144** | *251B6* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 1 |
| **BACH 3056** | *25354* | Patient Management: Theories and Applications | 5 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3), Cognitive Factors in Health BACH 1159 (251C9), Maladaptive Behaviours and Behaviour Change BACH 2126 (252A1). | 1 |
| **CSCD 3024** | *12328* | Communication and Lifelong Disability | 3 | **P** Normal Communication Development CSCD 1028 (12128).<br>*NB: Both assessments and site visit must be completed to pass this course.* | 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).<br>**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 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). | 1 |
| **Semester 2** | | | | | |
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |

Table 9.2: 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 |
|---|---|---|---|---|---|
| **BACH 1148** | *251C0* | Health, Attitudes 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 |
| **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).<br>**P** Audiology I CSCD 2040 (12288). | 2 |
| Electives | | | 8 | | |
| Year 3 total: 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 8 credit points of electives. 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 | | 1 |
| **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).<br>**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), Neuroscience II BIOS 1141 (111E8). | 1 |
| **CSCD 3061** | *12359* | Directed Readings | 2 | | 1, 2 |

## Honours program

■ **Year 4**

| | | | | | |
|---|---|---|---|---|---|
| **CSCD 4039** | *12445* | Honours Papers I | 6 | | 1 |
| **CSCD 4040** | *12446* | Honours Paper II | 6 | **P** Honours Paper I CSCD 4039 (12445).<br>**C** Honours Thesis CSCD 4041 (12447). | 2 |
| **CSCD 4041** | *12447* | Honours Thesis | 36 | **C** Honours Paper I CSCD 4039 (12445). | Full year |
| Year 4 total: 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 placements and Alison Purcell coordinates fieldwork placements.

### Dates

***Year 2***

*Pre-Semester 1*
Orientation, Wednesday 24 to Friday 26 February, 2004
*Semester 1*
As arranged, 1 March to 26 June
*Pre-Semester 2*
Orientation, Wednesday 6 to Friday 8 August, 2004
*Semester 2*
As arranged, 9 August to 4 December, 2004

***Year 3***

*Pre-Semester 1*
Orientation, Wednesday 24 to Friday 26 February, 2004
*Semester 1*
As arranged, 1 March to 28 June, 2004
*Inter-Semester*
3 weeks 1 to 19 July; 22 July to 8 August
OR 3 weeks December to February
*Pre-Semester 2*
Orientation, Wednesday 4 to Friday 6 August, 2004
*Semester 2*
As arranged, 11 August to 4 December

***Year 4***

*Pre-Semester 1 (only for students on-campus Semester 1)*
Orientation, Wednesday 24 to Friday 26 February, 2004
*Semester 1 or 2*
As arranged, 1 March to 26 June OR 9 August to 4 December
*Pre-Semester 2 (only for students on-campus Semester 2)*
Orientation, Wednesday 4 to Friday 6 August, 2004
*Semester 2 or 1*
12 weeks, 1 March to 26 June OR 9 August to 4 December
*Debriefing week for all year 4 students*
15 to 19 November

# ■ 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 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 settings; 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 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 settings.

The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

### BACH 1148 Health, Attitudes and Interaction

Old code 251C0. 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 settings 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 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 Factors in Health BACH 1159 (251C9). **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 and Behaviour Change

Old code 252A1. 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**: 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 settings 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**: Foundations of Psychology for the Health Sciences BACH 1131 (251A3), Cognitive Factors in Health BACH 1159 (251C9), Maladaptive Behaviours and Behaviour Change BACH 2126 (252A1).

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 settings.

### 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*

Zemlin WR. Speech and Hearing Science (4th ed).

### 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*

Zemlin WR. Speech and Hearing Science (4th ed).

### 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 (111C3). **Assessment**: Assignment, Mid-semester and 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*

Zemlin WR. Speech and Hearing Science (4th ed).

### BIOS 1124 Human Biology and Biochemistry

Old code 111D2/111D2X. 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 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 (111E8). **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.H. Schwartz and T.M. Jessell. Appleton & Lange, Norwalk, Connecticut.
2. The Human Brain. (4th ed). Nolte, J. (1999). Mosby Co.

### 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 settings. 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 BIOS 1117 (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 (111C4) and Hearing Science BIO1118 (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 **Audiology I**

Old code 12288. 3 credit points. Dr Kerrie Lee. **Semester**: 1. **Prerequisite**: (or Corequisite by permission) Speech Science I BIOS 1116 (111C3), Speech Science II BIOS 1117 (111C4) 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**: 2. **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 IIB: Fieldwork and Clinical Skills**

Old code 122A0. 3 credit points. **Semester**: 2. **Prerequisite**: Professional Development I: Introduction to Professional Learning CSCD 1025 (12125), Introductory Speech Pathology I CSCD 2048 (12296), Introductory Speech Pathology II CSCD 2049 (12297). **Corequisite**: One of the following units of study: Communication Fieldwork I CSCD 2053 (122A1), Communication Fieldwork II CSCD 2054 (122A2).

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 and Lifelong Disability**

Old code 12328. 3 credit points. Dr Susan Balandin. **Semester**: 1. **Prerequisite**: Normal Communication Development CSCD 1028 (12128). **Assessment**: Mid semester critical review (paired task) End of semester Viva (groups of 4).

*NB: Both assessments and site visit must be completed to pass this course*

Consideration of the communication issues relevant to children and adults with lifelong disability and those who support them. Topics include intellectual disability, cerebral palsy, multiple sensory impairment, autism and an introduction to alternative and augmentative communication. There will be a focus on a social model of disability. The needs of families, carers and culturally and linguistucally diverse populations will be explored

**Practical**: Site visit-groups of 5

*Textbooks*

Beukelman, D., & Mirenda, P. (1998). Augmentative and alternative communication: Management of severe communication disorders in children and adults. (2nd ed.). Baltimor: Paul H. Brooks.

Book of readings provided at cost

### 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 (111C3), 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 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 Pathology Clinical IIH**

Old code 12351. 7 credit points. Dr Michelle Lincoln. **Semester**: 2. **Prerequisite**: Intermediate Speech Pathology Clinical IH CSCD 3050 (12348), Neurobiology II for Communication Disorders BIOS 2062 (112B3), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278). **Assessment**: Assessment of clinical competency at mid and end of each placement.

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 this unit of study. Students are rostered through 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 or four-week block placement in an adult hospital clinic. This placement will occur mid-year before 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 experiences.

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### 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).

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**: 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), Neuroscience II BIOS 1141 (111E8).

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**: 1.

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 3063 **Intermediate Speech Pathology Clinical IA**

Old code 12367. 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). **Assessment**: Assessment of clinical competency at mid and end of each placement.

Students work with child 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 Audiology Assessment Clinic.

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### CSCD 3064 **Intermediate Speech Pathology Clinical IIA**

Old code 12368. 8 credit points. Dr Michelle Lincoln. **Semester**: 2. **Prerequisite**: Intermediate Speech Pathology Clinical IA CSCD 3063 (12367), Neurology II for Communication Disorders BIOS 2062 (112B3), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278). **Assessment**: Students receive a competency assessment at mid and end of each placement.

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 the Speech and Language Assessment Clinic. Students may be rostered to complete some parts of this unit of study during the intersemester breaks. Students also complete a four days per week, three or four-week block placement in an adult hospital clinic. This placement will occur 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 experiences.

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### CSCD 3065 **Intermediate Speech Pathology Clinical IB**

Old code 12369. 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). **Assessment**: Assessment of clinical competency at mid and end of each placement.

Students work with child 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 Audiology Assessment Clinic.

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### CSCD 3066 **Intermediate Speech Pathology Clinical IIB**

Old code 12370. 8 credit points. Dr Michelle Lincoln. **Semester**: 2. **Prerequisite**: Intermediate Speech Pathology Clinical IB CSCD 3065 (12369), Neurology II for Communication Disorders BIOS 2062 (112B3), Speech and Language Impairments of Neurological Origin II CSCD 3023 (12327), Swallowing Impairments CSCD 3037 (12341), Voice Science and Disorders CSCD 2030 (12278). **Assessment**: Assessment of clinical competency at mid and end of each placement.

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 this unit of study. Students are rostered through 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 or four week block placement in an adult hospital clinic. This placement will occur mid-year before Semester 2 commences 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 experiences.

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### 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). **Assessment**: Assessment of clinical competency at mid and end of each placement.

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 and Intake Clinic.

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### 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).

Students are placed in two off-campus clinic, hospital, or other settings for four days per week for two, 6-week blocks each or one off-campus clinic, hospital, or other setting 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 IA CSCD 3063 (12367) or IB CSCD 3065 (12369) and Intermediate Speech Pathology Clinical IIA CSCD 3064 (12368) or IIB CSCD 3066 (12370). **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). **Assessment**: Assessment of clinical competency at mid and end of each placement.

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 on a regular basis. Students also participate in the Advanced Assessment Clinic and Intake 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.

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### CSCD 4033 **Advanced Speech Pathology Clinical IIB**

Old code 12438. 24 credit points. Dr Michelle Lincoln. **Semester**: 2. **Prerequisite**: Intermediate Speech Pathology Clinical II CSCD 3039 (12343) and permission of the Head of School. **Assessment**: Assessment of clinical competency at mid and end of each placement.

Students are placed in two off-campus clinic, hospital, or other setting for four days per week for two, 6 or 7-week blocks each or one off-campus clinic, hospital, or other setting for four days per week for one, 12-week block. Over the semester they manage a varied child and adult caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on a regular basis.

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### CSCD 4035 **Advanced Speech Pathology Clinical IH**

Old code 12440. 22 credit points. Dr Michelle Lincoln. **Semester**: 1. **Prerequisite**: Intermediate Speech Pathology Clinical IIA CSCD 3064 (12368) or Intermediate Speech Pathology Clinical IIB CSCD 3066 (12370) or Intermediate Speech Pathology Clinical IIH CSCD 3053 (12351). **Assessment**: Assessment of clinical competency at mid and end of each placement.

Students are placed in two off-campus clinic, hospital, or other setting for four days per week for two, 6 or 7-week blocks each or one off-campus clinic, hospital or other setting for four days per week for one, 12-week block. Over the semester they manage a varied child and adult caseload, participate in a variety of clinical management, clinical service, and multidisciplinary team activities, and participate in supervisory conferences on regular basis.

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### CSCD 4036 **Professional Development IVH: Advanced Issues**

Old code 12441. 2 credit points. Ms Belinda Kenny. **Semester**: 2. **Assumed knowledge**: Intermediate Speech Pathology Clinical IH CSCD 3050 (12348). **Prerequisite**: Professional Development IIIH: Management Skills CSCD 3052 (12350).

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 12446. 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**: Full year. **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 thesis describing the project. In completing the research and thesis, 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 12449. 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 H**

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 is dedicated to promoting excellence in the development and dissemination of knowledge and skills related to human physical performance and physical activity in relation to health. Maximising physical performance in work, sport and leisure and promoting exercise and nutrition in the prevention and management of disease are imbedded in the School's mission. The School is proud of its reputation in producing high calibre graduates; its coursework programmes are strongly based on scientific method thus preparing graduates for a wide range of science-based employment. The School has international standard facilities and equipment for research and teaching, and is recognised as a national leader in research in fundamental exercise science and the application of exercise science to health promotion and rehabilitation, sports performance, fitness and occupational health. These strengths are further enhanced by close links to the New South Wales Institute of Sport, regional teaching hospitals and the fitness industry in New South Wales.

The School is responsible for the Bachelor of Applied Science (Exercise and Sport Science), Bachelor of Applied Science (Exercise and Sport Science) Honours, Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition), 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 enthusiasm 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

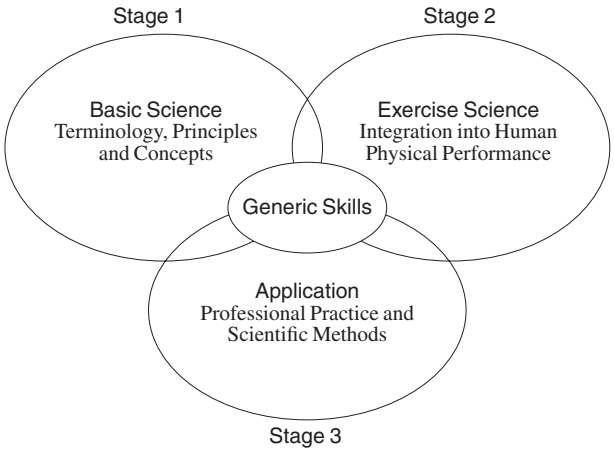
### About the course

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. Projects 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.

### 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 settings. 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 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<br>Course code 2227: Honours program; full-time, 4 years | | | | | |
| **Pass course** | | | | | |
| ■ **Year 1** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1149** | *251C2* | Health, Exercise and Sport Psychology | 4 | | 1 |
| **BIOS 1130** | *111D7* | Molecules and Energy | 4 | **A** Basic chemistry. | 1 |
| **BIOS 1135** | *111E2* | Functional Anatomy A | 4 | | 1 |
| **BIOS 1137** | *111E4* | Introductory Neuroscience | 3 | | 1 |
| **EXSS 1005** | *22105* | Sport First Aid Trainer | 3 | | 1 |
| **EXSS 1018** | *22114* | Biomechanics of Human Movement | 6 | **A** HSC Mathematics. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BIOS 1133** | *111E0* | Body Systems: Structure and Function I | 3 | **A** Molecules and Energy BIOS 1130 (111D7) or Chemistry IA CHEM 1101. | 2 |
| **BIOS 1139** | *111E6* | Functional Anatomy B | 3 | **A** Functional Anatomy A BIOS 1135 (111E2). | 2 |
| **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 1029** | *22122* | Muscle Mechanics and Training | 6 | **A** Introductory Neuroscience BIOS 1137 (111E4).<br>**P** Molecules & Energy BIOS 1130 (111D7) or Chemsitry IA CHEM 1101. | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BIOS 2098** | *112F3* | Body Systems: Structure and Function II | 3 | **A** Molecules and Energy BIOS 1130 (111D7). | 1 |
| **EXSS 2016** | *22216* | Motor Control | 3 | **P** Introductory Neuroscience BIOS 1137 (111E4). | 1 |
| **EXSS 2017** | *22217* | Biochemistry of Exercise | 6 | **P** Molecules and Energy BIOS 1130 (111D7). | 1 |
| **EXSS 2018** | *22218* | Biomechanical Analysis of Movement | 6 | **P** Biomechanics of Human Movement EXSS 1018 (22114). | 1 |
| **EXSS 2019** | *22219* | Exercise Physiology – Acute Responses | 6 | **P** Body Systems: Structure & Function I BIOS 1133 (111E0), Fundamentals of Exercise Science EXSS 1019 (22115). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2132** | *252B4* | Health, Sport and Society | 4 | | 2 |

Table 10.1: 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 2020** | *22220* | Motor Control and Learning | 4 | **A** Motor Control EXSS 2016 (22216). | 2 |
| **EXSS 2021** | *22221* | Nutrition, Health and Performance | 6 | **P** Biochemistry of Exercise EXSS 2017(22217). | 2 |
| **EXSS 2022** | *22222* | Exercise Physiology Training Adaptations | 6 | **A** Biochemistry of Exercise EXSS 2017 (22217).<br>**P** Exercise Physiology – Acute Responses EXSS 2019 (22219). | 2 |
| **EXSS 2023** | *22223* | Growth, Development and Ageing | 4 | | 2 |
| Semester 2 total: 24 credit points | | | | | |

■ **Year 3 (first offered in 2004)**

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **BACH 3063**[1] | *25361* | Sociology & Psychology of Organisations | 4 | | 1 |
| **EXSS 3016**[1] | *22316* | Sport Pharmacology | 4 | **P** Exercise Physiology I EXSS 2019 (22219). | 1 |
| **EXSS 3021** | *22321* | Environmental Physiology | 4 | **A** Biochemistry of Exercise EXSS 2017 (22217).<br>**P** Exercise Physiology I EXSS 2019 (22219). | 1 |
| **EXSS 3022** | *22322* | Research Methods | 4 | **A** Basic biomechanics, physiological and motor learning principles, basic hypothesis training. | 1 |
| **EXSS 3023** | *22323* | Exercise Testing and Prescription | 6 | **P** Exercise Physiology II EXSS 2022 (22222).<br>**C** Environmental Physiology EXSS 3021 (22321). | 1 |
| **EXSS 3024** | *22324* | Exercise, Health and Disease | 6 | **P** Exercise Physiology I EXSS 2019 (22219) and Exercise Physiology II EXSS 2022 (22222). | 1 |
| Semester 1 total: 24 credit points | | | | | |

**Semester 2**

| | | | | | |
|---|---|---|---|---|---|
| **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 2019 (22219) and II EXSS 2022 (22222), Exercise, Health and Disease EXSS 3024 (22324). | 2 |
| Semester 2 total: 24 credit points | | | | | |

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. Subject to approval of Head of School, elective units of study may be taken from within or outside the Faculty.

| | | | | | |
|---|---|---|---|---|---|
| **EXSS 3004** | *22304* | Ergonomics | 4 | **A** Functional Anatomy A BIOS 1135 (111E6), Functional Anatomy B BIOS 1139 (111E6), Biomechanics of Human Movement EXSS 1018 (22114) or equivalent. | 2 |
| **EXSS 3007** | *22307* | Readings and Conference | 4 | | 2 |
| **EXSS 3018** | *22318* | Management, Marketing and the Law | 4 | | 2 |
| **EXSS 3028** | *22328* | Exercise and Ageing | 4 | | 2 |
| **EXSS 3029** | *22329* | Physiological Testing and Training in Sport | 4 | | 2 |
| Semester 2 total: 24 credit points | | | | | |

■ **Note**

1. Students choose either BACH 3063 or EXSS 3016.

## Honours program

■ **Year 4**

| | | | | |
|---|---|---|---|---|
| **EXSS 4002** | *22402* | Honours Thesis | 48 | Full year |
| Year 4 total: 48 credit points | | | | |

# ■ Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition)

This combined degree in exercise and sport science/nutrition is designed to produce graduates who are capable of using expertise in the disciplines of exercise science and nutrition to further research and knowledge in these areas. Graduates from this program will become qualified Dietitians with expertise in general, public health and clinical nutrition. These skills will be integrated with a comprehensive understanding of the scientific principles of human movement and the effective design, management and evaluation of exercise interventions (and related lifestyle factors) in the area of sport and health. This program will enable graduates to design effective exercise and nutrition programs for healthy individuals and elite athletes in addition to those with lifestyle diseases (eg, heart disease, diabetes, hypertension) and disability.

### Admission requirements

Admission to the combined degree Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) is competitive. Most applicants are considered on the basis of the UAI obtained in the New South Wales Higher School Certificate or equivalent. A selection 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 degree Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) will appeal to you if you have a keen interest to further studies in science, particularly in the areas of biology, biochemistry, physiology and nutrition from a human perspective. The course is also appealing to those who are enthusiastic about nutrition, sport and physical activity. Although there are no subject requirements for entry into the course, students are assumed to possess knowledge equivalent to study of Biology, Chemistry and Mathematics at HSC level. Students would benefit from having also studied Physics and

PDHPE. Students who have not recently completed studies in Biology, Chemistry and Mathematics are strongly advised to attend bridging courses prior to commencing the course. Bridging courses are also available for Physics, if desired. See chapter 3 for details of bridging courses.

## About the course

The combined degrees in Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) provide students with a thorough understanding of the scientific aspects of exercise and sport science, nutrition and dietetics. 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, physiology and nutrition), the physical sciences (chemistry, physics, and mathematics) and the social sciences (psychology and sociology). Students follow a prescribed 5-year program of study with a total of 240 credit points. 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. Life long learning skills are developed as consistent with other programs offered in the School of Exercise and Sport Science.

This combined degree, Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) is unique in that students will have the opportunity to qualify both as Dietitians and Exercise Scientists. Also, to utilise the finest teaching facilities and laboratory equipment, learning will take place on both the Cumberland and Camperdown Campuses of The University of Sydney. The course has a substantial integrated program of laboratory and practical work. Projects 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.

## Course outlines

The course outline for the combined degree Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition) is presented in Table 10.2.

Table 10.2: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 2228: full-time, 5 years<br>Candidates must complete over 10 semesters the following units of study. In order to proceed from year 1 to year 2 of the program candidates must achieve a year WAM of at least 60. In order to proceed to the following years of the program a candidate must achieve at least 65 in each of NUTR 2901, NUTR 2902, NUTR 3901 and NUTR 3902, and a year WAM of at least 65 in Years 2–4. Candidates who fail to maintain these results in any year will be transferred to either the BSc, the BAppSc(ExSpSc) or the BAppSc(ExSpSc&Nutr). | | | | | |
| **■ Year 1** | | | | | |
| **Semester 1** | | | | | |
| **CHEM 1101** | *31103* | Chemistry 1A | 6 | **A** HSC Chemistry and Mathematics.<br>**C** Recommended concurrent units of study: 6 credit points of Junior Mathematics.<br>**N** May not be counted with CHEM (1001 or 1901 or 1903 or 1905 or 1906 or 1909). | 1 |
| **BACH 1149** | *251C2* | Health, Exercise and Sport Psychology | 4 | | 1 |
| **BIOS 1135** | *111E2* | Functional Anatomy A | 4 | | 1 |
| **BIOS 1137** | *111E4* | Introductory Neuroscience | 3 | | 1 |
| **EXSS 1018** | *22114* | Biomechanics of Human Movement | 6 | **A** HSC Mathematics. | 1 |
| Semester 1 total: 23 credit points | | | | | |
| **Semester 2** | | | | | |
| **CHEM 1102** | *31104* | Chemistry 1B | 6 | **Q** CHEM 1101 or a Distinction in CHEM 1001 or 1901 or equivalent.<br>**C** Recommended concurrent units of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903).<br>**N** CHEM (1002 or 1902 or 1904 or 1907 or 1908). | 2 |
| **BIOS 1133** | *111E0* | Body Systems: Structure and Function I | 3 | **A** Molecules and Energy BIOS 1130 (111D7) or Chemistry IA CHEM 1101. | 2 |
| **BIOS 1139** | *111E6* | Functional Anatomy B | 3 | **A** Functional Anatomy A BIOS 1135 (111E2). | 2 |
| **EXSS 1030** | *22123* | Sport First Aid Trainer | 3 | | 2 |
| **EXSS 1019** | *22115* | Fundamentals of Exercise Science | 4 | | 2 |
| **EXSS 1029** | *22122* | Muscle Mechanics and Training | 6 | **A** Introductory Neuroscience BIOS 1137 (111E4).<br>**P** Molecules & Energy BIOS 1130 (111D7) or Chemsitry IA CHEM 1101. | 2 |
| Semester 2 total: 25 credit points | | | | | |
| **■ Year 2 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **MBLG 2001** | *32202* | Molecular Biology and Genetics A | 8 | **P** 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901) except for students co-enrolled in BCHM 2011, or with permission of the unit Coordinator. For Combined BAppSc(Exercise and Sport Science)/ BSc(Nutrition) degree the completion of all Junior units listed in Table IF.<br>**N** AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2101 or 2901). | 1 |
| **NUTR 2901** | *32203* | Introductory Food Science (Advanced) | 8 | **P** CHEM (1101 or 1901 or 1903 or 1909) and CHEM (1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in table 1F. | 1 |
| **BIOS 2098** | *112F3* | Body Systems: Structure and Function II | 3 | **A** Molecules and Energy BIOS 1130 (111D7). | 1 |
| **EXSS 2019** | *22219* | Exercise Physiology – Acute Responses | 6 | **P** Body Systems: Structure & Function I BIOS 1133 (111E0), Fundamentals of Exercise Science EXSS 1019 (22115). | 1 |
| Semester 1 total: 25 credit points | | | | | |

## Table 10.2: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **Semester 2** | | | | | |
| **BCHM 2002** | *32201* | Molecules, Metabolism and Cells | 8 | **P** MBLG (2001 or 2901).<br>**N** May not be counted with AGCH 2001 or BCHM (2102 or 2902). | 2 |
| **NUTR 2912** | *32204* | Nutritional Science Fundamentals (Adv) | 6 | **P** NUTR 2901.<br>*NB: Only available to students enrolled in the Combined program BAppSc(Exercise Sport Science)/BSc(Nutrition).* | 2 |
| **MATH 1013** | *30101* | Differential and Difference Equations | 3 | **A** HSC Mathematics.<br>**N** MATH (1003 or 1903 or 1907). | 2 |
| **EXSS 2022** | *22222* | Exercise Physiology Training Adaptations | 6 | **A** Biochemistry of Exercise EXSS 2017 (22217).<br>**P** Exercise Physiology – Acute Responses EXSS 2019 (22219). | 2 |
| Semester 2 total: 23 credit points | | | | | |
| ■ **Year 3 (first offered in 2006)** | | | | | |
| **Semester 1** | | | | | |
| **MATH 1011** | | Life Sciences Calculus | 3 | **A** HSC Mathematics.<br>**N** MATH (1001 or 1901 or 1906). | |
| **MATH 1015** | | Life Science Statistics | 3 | **A** HSC Mathematics.<br>**N** MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study. | |
| **EXSS 3021** | *22321* | Environmental Physiology | 4 | **A** Biochemistry of Exercise EXSS 2017 (22217).<br>**P** Exercise Physiology I EXSS 2019 (22219). | 1 |
| **EXSS 3023** | *22323* | Exercise Testing and Prescription | 6 | **P** Exercise Physiology II EXSS 2022 (22222).<br>**C** Environmental Physiology EXSS 3021 (22321). | 1 |
| **EXSS 3030**[1] | *22330* | Motor Control | 4 | **P** Introductory Neuroscience BIOS 1137 (111E4). | 1 |
| **EXSS 3031** | *22331* | Nutrition, Health and Performance | 4 | **P** Biochemistry of Exercise EXSS 2017(22217). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2132** | *252B4* | Health, Sport and Society | 4 | | 2 |
| **EXSS 2020** | *22220* | Motor Control and Learning | 4 | **A** Motor Control EXSS 2016 (22216). | 2 |
| **EXSS 2023** | *22223* | Growth, Development and Ageing | 4 | | 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 2019 (22219) and II EXSS 2022 (22222), Exercise, Health and Disease EXSS 3024 (22324). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 4 (first offered in 2007)** | | | | | |
| **Semester 1** | | | | | |
| **NUTR 3901** | | Nutrition in Individuals (Advanced) | 12 | **P** NUTR 2902. | |
| **STAT 2002** | | Data Analysis | 4 | **P** MATH 1005 or 1905 or 1015 (or STAT 1021 for Arts students). | |
| **EXSS 4006** | *22406* | Exercise, Health, Disease & Practice | 8 | **P** Exercise Physiology – Acute Responses EXSS 2013 (22213) and Exercise Physiology Training Adaptations EXSS 2014 (22214). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BCHM 3002** | | Cellular and Medical Biochemistry | 12 | **P** A total of at least 16 credit points of Intermediate MBLG and BCHM units. For BMedSc students 32 credit points of Intermediate BMED units including BMED (2501, 2502 and 2504).<br>**N** May not be counted with BCHM (3902, 3004 or 3904). | |
| **NUTR 3902** | | Nutrition in Populations (Advanced) | 12 | **P** NUTR 2902. | |
| Semester 2 total: 24 credit points | | | | | |

■ **Notes**

1.Includes 2 credit points of professional practice in lieu of EXSS 3025; remainder (1 cp) of professional practice covered in NUTR 3902.
2.Students can exit here with BAppSc (Exercise, Sport Science and Nutrition)

| | | | | | |
|---|---|---|---|---|---|
| ■ **Year 5 (first offered in 2008)** | | | | | |
| **Semester 1** | | | | | |
| **NUTR 4001** | | Clinical Nutritional Science A | 24 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **NUTR 4002** | | Clinical Nutritional Science B | 24 | | |
| Semester 2 total: 24 credit points | | | | | |

Table 10.2: Bachelor of Applied Science (Exercise and Sport Science)/Bachelor of Science (Nutrition)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| ■ **Note** | | | | | |
| 1 Students can exit here with BAppSc (Ex & Sport Sc) & BSc (Nut) with Honours in Nutrition and Dietetics | | | | | |
| or | | | | | |
| ■ **Year 5 (first offered in 2008)** | | | | | |
| **Semester 1** | | | | | |
| **NUTR 4101** | | Nutrition Research A | 12 | | |
| **NUTR 4102** | | Nutrition Research B | 12 | **C** NUTR 4101. | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **NUTR 4103** | | Nutrition Research C | 12 | **C** NUTR 4102. | |
| **NUTR 4104** | | Nutrition Research D | 12 | **C** NUTR 4103. | |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Note** | | | | | |
| 1. Students can exit here with BAppSc (Ex & Sport Sc) & BSc (Nut) with Honours in Nutrition | | | | | |

### Professional experience

Students must complete 100 hrs of approved professional experience in exercise and sport science in their own time. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community settings. The 100 hrs of practical experience is also a requirement for membership of the professional body for Australian Exercise Scientists (Australian Association for Exercise and Sport Science). The student will develop professional skills and competencies, and an appreciation of the responsibilities and commitments of the workplace.

In the fifth year of the program students will also complete a clinical placement in nutrition and dietetics (approximately 6 months in duration) as designated by the Dietitians Association of Australia. Successful completion of this placement is required for dietetic qualification. This placement is designed to facilitate clinical and counselling skills in dietetics and for students to experience working in other areas of nutrition such as public health promotion/research, food service, the food industry, public relations and community nutrition.

### Workload

Refer to the entry of Bachelor of Applied Science (Exercise and Sport Science)

### Careers

Students will be qualified as both Exercise Scientists and Dietitians and will be competent to forge new opportunities in roles, which require skills in both exercise science and nutrition/dietetics. This integrated training will create opportunities that will benefit both students and employers. In the research setting, this dual qualification will augment project design and methodology in relevant areas such as public health (eg, lifestyle diseases such as obesity and non-insulin diabetes). In the clinical setting, graduates will be well placed and qualified to give comprehensive advice to clients promoting adoption of better exercise and nutrition habits within the community. Employment opportunities include: hospital, rehabilitation, public health and health promotion, the health industry encompassing elite sport, recreational exercise and the sport/fitness industry, health writing and public speaking, corporate health, private practice consulting, the food industry (manufacture, product development and public relations), research and technology, education and medical insurance.

### Professional recognition

Graduates are eligible to apply for membership of the Australian Association of Exercise & Sport Science. Application for the course and for these graduates to be accredited as Dietitians by the Dietitians Association of Australia is in preparation.

### Honours program: Honours in Nutrition and Dietetics or Honours in Nutrition

Students completing all five years of the combined degree will automatically be awarded an Honours grade at completion. There are two options for students in their fifth year of study: Honours program in Nutrition and Dietetics, which includes 6 months of clinical placement or Honours program in Nutrition which is entirely research directed. However, admission to either fifth year of study is competitive and based on maintaining a credit average over the first four years of the course. Students passing the course but failing to meet these requirements can exit the course after four years with a Bachelor of Applied Science (Exercise, Sport Science and Nutrition) – see following handbook entry.

Further information may be obtained from the School.

## ■ Bachelor of Applied Science (Exercise, Sport Science and Nutrition)

This degree in exercise, sport science and nutrition is designed for those students wanting to pursue a career in Exercise Science integrated with a comprehensive understanding of biochemistry and nutrition, without the training in clinical dietetics. The integrated training provided by this program will enable graduates to design effective exercise and nutrition programs for healthy individuals and elite athletes. In addition they will be skilled at providing nutrition and exercise advice to those with lifestyle diseases (eg, heart disease, diabetes, hypertension) and disability and be able to provide these individuals with general nutrition or lifestyle based advice to improve their dietary practices.

### Admission requirements

Students choosing to enrol in the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) course must enrol in the combined degree and transfer after the completion of at least two semesters. Admission requirements are therefore as stipulated for the combined degree.

### About the Course

The Bachelor of Applied Science (Exercise, Sport Science and Nutrition) provides students with a thorough understanding of the scientific aspects of exercise, sport science and nutrition. This course differs from the combined degree in that it is a single 4-year degree. Students follow a prescribed program of study with a total of 192 credit points. This is the same program as the first 4 years of the combined degree and therefore provides an opportunity to transfer from the combined (5-year) degree to this 4-year program. Learning will take place on both the Cumberland and Camperdown Campuses of The University of Sydney.

### Course outlines

The course outline for the Bachelor of Applied Science (Exercise, Sport Science and Nutrition) is presented in Table 10.3. Note: Years 1–4 are common with the combined degree program.

### Professional Experience

As for all undergraduate degrees in Exercise and Sport Science, students must complete 100 hours of approved professional experience in exercise and sport science in their own time. The purpose of the professional field experience program is to apply theoretical knowledge to practice in a variety of community settings. Where possible placements that provide integrated learning in both exercise science and nutrition will be highlighted to the student. The 100 hours of practical experience is also a requirement for membership of the professional body for Australian Exercise Scientists (Australian Association for Exercise and Sport Science).

### Workload

Refer to the entry of Bachelor of Applied Science (Exercise and Sport Science)

### Careers

In addition to students who complete the Bachelor of Applied Science (Exercise and Sport Science) employment opportunities would focus on their skills in both exercise science and nutrition. Areas of employment may include the sports, fitness, health and food industries, 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, Sport Science and Nutrition) meets the prerequisite requirements for entry into postgraduate courses in Medicine, 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. Application for the course and for these graduates to be accredited with general and public health nutrition qualifications, by the Dietitians Association of Australia, is in preparation.

### Honours program: Honours in Exercise and Sport Science

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.

Table 10.3: Bachelor of Applied Science (Exercise, Sport Science and Nutrition)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 2229: Pass course; full-time, 4 years | | | | | |
| Course code 2230: Honours program; full-time, 5 years | | | | | |
| In Year 1 all students will enrol in the Combined BAppSc (Exercise and Sport Science)/BSc (Nutrition) program (Table 10.2) which has an identical curriculum to this program and will transfer to the BAppSc (Exercise, Sport Science and Nutrition) only after completion of at least two semesters of the combined degrees course. | | | | | |

### Pass course

■ **Years 1 to 4**

See Table 10.2

### Honours program

■ **Year 5**

**Semester 1**

| | | | | |
|---|---|---|---|---|
| **EXSS 4004** | *22405A* | Honours Thesis A | 24 | 1 |
| Semester 1 total: 24 credit points | | | | |

**Semester 2**

| | | | | |
|---|---|---|---|---|
| **EXSS 4005** | *22405B* | Honours Thesis B | 24 | 2 |
| Semester 2 total: 24 credit points | | | | |

## ■ 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 settings. 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 setting.

**Practical**: Fieldwork – 9 hours

*Textbooks*

Manual with key reference material and references

### BIOS 1130 **Molecules and Energy**

Old code 111D7. 4 credit points. Dr Laurette Batmanian. **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) or Chemistry IA CHEM 1101. **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: 42 hours, online 3 hours. **Assessment**: Mid-Semester exam (20%), End Semester practical exam (40%) and End Semester exam (40%).

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. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. 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 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.

### BIOS 1139 **Functional Anatomy B**

Old code 111E6. 3 credit points. Ms Catherine Willis. **Semester**: 2. **Classes**: On campus 30 hours. **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 (MCQ) and End Semester exams (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.

### CHEM 1101 **Chemistry 1A**

Old code 31103. 6 credit points. **Semester**: 1. **Classes**: 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Assumed knowledge**: HSC Chemistry and Mathematics. **Corequisite**: Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibition**: May not be counted with CHEM (1001 or 1901 or 1903 or 1905 or 1906 or 1909). **Assessment**: A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

Chemistry 1A is built on a satisfactory prior knowledge of the HSC 2-unit Chemistry course. A brief revision of basic concepts of the high school course is given. Chemistry 1A covers chemical theory and physical chemistry.

Lectures: A series of 39 lectures, three per week throughout the semester.

**Practical**: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

*Textbooks*

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

### CHEM 1102 **Chemistry 1B**

Old code 31104. 6 credit points. **Semester**: 2. **Classes**: 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Qualifier**: CHEM 1101 or a Distinction in CHEM 1001 or 1901 or equivalent. **Corequisite**: Recommended concurrent units of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903). **Prohibition**: CHEM (1002 or 1902 or 1904 or 1907 or 1908). **Assessment**: A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

Chemistry 1B is built on a satisfactory prior knowledge of Chemistry 1A and covers inorganic and organic chemistry. Chemistry 1B is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

Lectures: A series of 39 lectures, three per week throughout the semester.

**Practical**: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

*Textbooks*

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

### EXSS 1005 **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.

### EXSS 1018 **Biomechanics of Human Movement**

Old code 22114. 6 credit points. Dr Peter Sinclair. **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. **Semester**: 2. **Assessment**: Group project, End-semester exam, Oral presentation.

This unit introduces students to a range of topics related to the area of sports coaching. This includes codes of behaviour, ethics, communication, skills teaching, games sense and information technology. Students will gain skills in coaching a range of discrete populations (eg, children, aged and impaired). This unit will comprise lectures and practicals plus a level 1 coaching accreditation.

### EXSS 1021 **Measurement and Analysis**

Old code 22117. 4 credit points. Dr Jacqui Raymond. **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 1029 **Muscle Mechanics and Training**

Old code 22122. 6 credit points. Mr Tom Gwinn. **Semester**: 2. **Assumed knowledge**: Introductory Neuroscience BIOS 1137 (111E4). **Prerequisite**: Molecules & Energy BIOS 1130 (111D7) or Chemsitry IA CHEM 1101. **Assessment**: Mid semester exam, End semester exam.

This unit focuses on the sarcomere, and its molecular components, as the basis of skeletal muscle function and adaptability. Starting from the cross bridge cycle, students progress to explore the functional implications of altered assemblies of sarcomeres in series or in parallel. Data is presented on sarcomere remodelling of human muscle in response to training and disuse. Students then apply this information to deduce the effects of these adaptations on muscle function, including alterations in the capacity to produce force and power, and on the passive length-tension properties of muscle. The control of muscle activation is examined both at the cellular level and at the whole muscle level.

Students acquire professional skills through participation in a progressive high-resistance weight training program. Lecture material presents dose-response relations for high resistance training in terms of both minimal effective and optimal values for load, sets and frequency of training. Aspects related to cardiovascular risk and muscular injury relevant to high-resistance training are examined. Practical classes examine muscle structure and maximal voluntary responses.

*Textbooks*

No textbook required, students recommended to obtain unit of study Manual

### EXSS 1030 **Sport First Aid Trainer**

Old code 22123. 3 credit points. Dr Margaret Torode. **Semester**: 2. **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 2016 **Motor Control**

Old code 22216. 3 credit points. Associate Professor Nick O'Dwyer. **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 – Acute Responses**

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 major focus on the acute cardiorespiratory and haemodynamic response to exercise in the normal environment. Students will apply theory to practice through conduct of an endurance exercise training program with pre- and post-training assessments. The measures of maximal oxygen consumption and anaerobic threshold as determinants of cardiorespiratory performance in endurance events are discussed. In relation to these measures, the concept of acid-base balance is 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 Training Adaptations

Old code 22222. 6 credit points. Dr Keiron Rooney. **Semester**: 2. **Assumed knowledge**: Biochemistry of Exercise EXSS 2017 (22217). **Prerequisite**: Exercise Physiology – Acute Responses EXSS 2019 (22219). **Assessment**: Mid semester exam, End semester exam.

This unit is concerned with the physiological adaptations associated with training. This unit will focus on cardiovascular and metabolic adaptations to endurance, high resistance and interval/sprint training. Students will learn the mechanisms behind muscle damage and fatigue including acidosis and excitation-coupling failure. This unit will build on fundamental topics of Exercise Physiology – Acute Responses and students will apply theory to practice with a hands on approach through regular tutorials and through conduct and critical analysis of different sprint trining programs. By the end of Exercise Physiology Training Adaptations students will be armed with sufficient knowledge of the physiological effects of exercise to better understand the influence of environmental stressors discussed in Environmental Physiology.

### 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**: 2.

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 2019 (22219). **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 Environmental Physiology

Old code 22321. 4 credit points. Dr Chin Moi Chow. **Semester**: 1. **Assumed knowledge**: Biochemistry of Exercise EXSS 2017 (22217). **Prerequisite**: Exercise Physiology I EXSS 2019 (22219). **Assessment**: Practical report, End semester exam.

The environmental stresses of heat, cold, altitude, underwater, and circadian and sleep disruption will be considered in this unit, with a focus on how each condition affects performance capacity and physiological function. Additionally, the use of specific strategies (eg, altitude training, the 'live high, train low' strategy, heat acclimation and acclimatisation, circadian shifts) to facilitate physiological adaptation and enhance performance will be discussed. Health risks associated with each environment will also be considered.

### 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 Jacqui Raymond. **Semester**: 1. **Prerequisite**: Exercise Physiology II EXSS 2022 (22222). **Corequisite**: Environmental Physiology EXSS 3021 (22321). **Assessment**: Mid-semester exam, Assignment, End-semester exam.

This unit is designed to provide a comprehensive and critical examination of exercise testing and programming in low-risk populations. The scientific evidence for exercise dosages for aerobic exercise and resistance training required for health and fitness outcomes will be critically reviewed. Other aspects of exercise programming such as flexibility, warm up and instructional technique will also be covered in this unit. Through the use of lectures and case studies, students will learn how to integrate both the physiological components and logistical aspects of exercise performance, to devise individualised exercise test batteries and prescriptions. Although not a corequisite, students will benefit from undertaking Exercise, Health and Disease (EXSS 3024) in parallel with Exercise Testing and Prescription.

### EXSS 3024 Exercise, Health and Disease

Old code 22324. 6 credit points. Dr John Brotherhood. **Semester**: 1. **Prerequisite**: Exercise Physiology I EXSS 2019 (22219) and Exercise Physiology II EXSS 2022 (22222). **Assessment**: Mid-semester exam, End semester exam, Report assignment.

The two units, Exercise, 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 explore current topical issues (such as evidence-based practice and ethical behaviour) as they pertain to employment in the field of exercise and sport science. Students will participate in experimental learning to develop job application, interviewing and communication skills. 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 experimentl 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 2019 (22219) and II EXSS 2022 (22222), Exercise, 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 3028 **Exercise and Ageing**

Old code 22328. 4 credit points. Professor Maria Fiatarone Singh. **Semester**: 2. **Classes**: On-campus, lectures and workshops. **Assessment**: Final report on topic of choice, class participation.

This course will cover the rationale and recommendations for the use of exercise and the promotion of physical activity in older adults. Topics will include:

- Evidence that exercise can minimise the physiological changes of ageing
- Evidence that exercise contributes to psychological health and well being
- Relationship between exercise and age related changes in body composition associated with poor health outcomes
- The role of exercise in the prevention of chronic disease and disability
- The role of exercise in the treatment of chronic disease and disability
- The choice of appropriate exercise modalities in the older adult
- Risks and benefits of exercise in older adults
- Promotion of adoption and adherence to exercise recommendations in fit and frail older adults
- Practical implementation of

*Textbooks*

Recommended: Fiatarone Singh (Ed), Exercise, Nutrition and The Older Woman, CRC Press, 2000

### EXSS 3029 **Physiological Testing and Training in Sport**

Old code 22329. 4 credit points. Associate Professor Martin Thompson. **Semester**: 2.

This unit of study provides students with both theoretical knowledge and practical skills (laboratory and field based) for the physiological assessment and training of elite athletes. The application of current tests and measurements in sports science together with training theory and practice will be critically reviewed. Special attention will be given to the role of speed, strength and endurance in sports performance. Fundamental questions concerning the nature of the training stimulus, training thresholds, plasticity of muscle, dose-response relationships, detraining and overtraining will be investigated. Teaching and learning strategies include lectures, case studies, reviewing research papers, debates and small projects, in addition to a strong emphasis on the acquisition of practical test and measurement skills. On completion of this unit of study students will demonstrate competency within the sports testing environment and a capacity to provide well researched consultancy advice on sports training theory and practice.

### EXSS 4002 **Honours Thesis**

Old code 22402. 48 credit points. **Semester**: Full year. **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.

There are five post-graduate coursework programs offered by the School as well as post graduate research degrees. The Master of Health Information Management is a coursework program designed to prepare specialists in the management of health information systems and the management of health information service departments. Graduates of this program are qualified health information managers. The Master of Health Science (Health Informatics) provides graduates with a theoretical and practical understanding of the role of information and communication technologies used in health care. The program in health informatics focuses on three central knowledge areas: principles and applications of health informatics; data base management systems and the classification of health data; and managing the integration of health informatics within the health care environment. The Master of Health Science (Clinical Data Management) offers study in the design and management of clinical trials and other related projects. The course is suitable for data managers, health information managers and other health professionals working with or planning to work with clinical data and other health databases. This program is offered in flexible mode with part of the program offered by distance and part in flexible mode which includes workshops and block mode teaching. The Graduate Certificate of Health Science (Clinical Data Management) is designed to provide health professionals with a working knowledge of the management of clinical data used in clinical trials and other projects. This program is also delivered in flexible mode with part distance delivery and part workshop presentations. On successful completion of the Graduate Certificate program in clinical data management students may apply to articulate into the Master of Health Science (Clinical Data Management) with credit transfer of units completed.

The post graduate research programs include a Master of Applied Science (Health Information Management) by research. The Master of Applied Science (Health Information Management) is largely by research thesis with minimal supplementary coursework. This program provides graduates with an opportunity for research and scholarship in an area of study related to health information management.

Health information managers and health informaticians are key members of the health care team, responsible for the design, implementation and management of patient and facility-related health information. A career in health information management/ health informatics provides a unique opportunity to combine an interest in medicine, information technology and management. The role of the health information manager/health informatician is dynamic and involves close liaison with medical, nursing and administrative staff, other health professionals, and the public. Health information management/health informatics 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/health informaticians are in demand. 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 students enrolled in the Bachelor of Applied Science (Health Information Management) are eligible for student membership of the Association and, upon satisfactory completion of the degree, are eligible for full membership.

## ■ 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 old 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.

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<br>Course code 0913: Honours program; full-time, 4 years | | | | | |
| **Pass course** | | | | | |
| ■ **Year 1** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1129** | *251A1* | Foundations of Health Sociology | 3 | | 1 |
| **HIMT 1039** | *09139* | Microcomputer Applications | 4 | | 1 |
| **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 |
| Semester 1 total: 25 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1132** | *251A4* | Foundations of Psychology for the Health Sciences | 3 | | 2 |
| **BIOS 1126** | *111D3X* | Human Biology and Biochemistry | 4 | **A** Basic Chemistry.<br>*NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.* | 2 |
| **HIMT 1045** | *09145* | Clinical Classification I | 6 | | 2 |
| **HIMT 1046** | *09146* | Health Information Systems II | 6 | | 2 |
| **HIMT 1047** | *09147* | Australian Health Care Systems | 4 | *NB: Advanced standing (for off-campus students only).* | 2 |
| Semester 2 total: 23 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1142** | *251B4* | Designing Health Research | 3 | | 1 |
| **BACH 2091** | *25267* | Social Psychology | 3 | | 1 |
| **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).<br>*NB: This unit will also be available in distance mode for off-campus students and possibly repeating students.* | 1 (off-campus), 2 (on-campus) |
| **HIMT 2031** | *09238* | Programming Logic and Design | 3 | | 1 |
| **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 2049**[2] | *09256* | Professional Experience II | 3 | | inter-semester |
| **HIMT 2051** | *09258* | Health Informatics I | 3 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **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 |
| **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 HIMT 2031 (09238). | 2 |
| **HIMT 2047** | *09254* | Casemix Measurement Systems | 3 | **P** Clinical Classification I HIMT 1045 (09145). | 2 |
| **HIMT 2050** | *09257* | Clinical Classification IIB | 4 | **P** Clinical Classification IIA HIMT 2043 (09250). | 2 |
| Semester 2 total: 24 credit points | | | | | |

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 |
|---|---|---|---|---|---|
| **■ Year 3** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1136** | *251A8* | Clients, Practitioners and Organisations | 3 | | 1 |
| **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 3041** | *09342* | Human Resource Management | 3 | *NB: Student places are limited.* | 1 |
| **HIMT 3044** | *09345* | Management Principles II | 4 | | 1 |
| **HIMT 3050** | *09351* | Clinical Classification IIIA | 3 | **P** Clinical Classification IIB HIMT 2044 (09251). | 1 |
| **HIMT 3053** | *09354* | Professional Experience III | 4 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 2127** | *252A2* | Health Policy and Service Delivery | 3 | **P** Foundations of Health Sociology or Introduction to Health Sociology. | 2 |
| **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 3043** | *09344* | Health Care Evaluation | 3 | | 2 |
| **HIMT 3051** | *09352* | Clinical Classification IIIB | 3 | **P** Clinical Classification IIIA HIMT 3050 (09351). | 2 |
| **HIMT 3052** | *09353* | Health Informatics II | 4 | | 2 |
| Semester 2 total: 24 credit points | | | | | |

**■ Notes**

1. One day a week placement during Semester 1 (from week 5 to 9).
2. Two weeks inter-semester placement.

Table 11.1.1: Bachelor of Applied Science (Health Information Management) Honours

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 0913: Honours program; full-time, 4 years | | | | | |
| **■ Years 1 and 2** | | | | | |
| As per Pass course | | | | | |
| **■ Year 3** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1136** | *251A8* | Clients, Practitioners and Organisations | 3 | | 1 |
| or | | | | | |
| **BACH 1146** | *251B8* | Analysing Qualitative Health & Social Research | 3 | | 1 |
| and | | | | | |
| **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 3041** | *09342* | Human Resource Management | 3 | *NB: Student places are limited.* | 1 |
| **HIMT 3044** | *09345* | Management Principles II | 4 | | 1 |
| **HIMT 3050** | *09351* | Clinical Classification IIIA | 3 | **P** Clinical Classification IIB HIMT 2044 (09251). | 1 |
| **HIMT 3053** | *09354* | Professional Experience III | 4 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **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 |
| **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 |

Table 11.1.1: Bachelor of Applied Science (Health Information Management) Honours (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 3051** | *09352* | Clinical Classification IIIB | 3 | P Clinical Classification IIIA HIMT 3050 (09351). | 2 |
| **HIMT 3052** | *09353* | Health Informatics II | 4 | | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 4** | | | | | |
| **Semester 1** | | | | | |
| **HIMT 4048** | *09474* | Research Project A | 21 | | 1 |
| Semester 1 total: 21 credit points | | | | | |
| **Semester 2** | | | | | |
| **HIMT 4049** | *09475* | Research Project B | 24 | | 2 |
| Semester 2 total: 24 credit points | | | | | |

### 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.

## ■ 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*
28 June – 9 July (2 weeks)
*Year 3*
26 July – 6 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, Practitioners 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 settings; 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 settings.

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 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**: Field work

*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 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 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 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 Elizabeth Hegedus. **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 (off-campus), 2 (on-campus). **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 pharmacology 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.

### HIMT 1039 Microcomputer Applications

Old code 09139. 4 credit points. Dr Joe Huang (02) 9351 9566. **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. 6 credit points. Ms Michelle Bramley (02) 9351 9451. **Semester**: 2. **Classes**: 3 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 Statistical Classification of Diseases & Health Related Problems, 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.

### HIMT 1046 Health Information Systems II

Old code 09146. 6 credit points. Ms Basema Saddik (02) 9351 9193. **Semester**: 2. **Classes**: On-campus attendance, 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 Aditi Dey (02) 9351 9058. **Semester**: 2. **Classes**: On-campus attendance, day classes. **Assessment**: Continuous assessment/examination.

*NB: Advanced standing (for off-campus students only)*

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 tool, 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. Ms Margaret Williamson (02) 9351 9493. **Semester**: 1. **Classes**: On-campus attendance, day classes. **Assessment**: Assignment/examinations.

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.

### HIMT 1049 Health Information Systems I

Old code 09149. 6 credit points. Ms Basema Saddik (02) 9351 9193. **Semester**: 1. **Classes**: On-campus attendance, 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 (02) 9351 9057. **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 (02) 9351 9570. **Semester**: 1. **Classes**: Attendance required, day classes. **Assessment**: 2 in-class tests.

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. Dr Joe Huang (02) 9351 9566. **Semester**: 2. **Classes**: On-campus attendance, 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.

### HIMT 2042 Database Systems

Old code 09249. 3 credit points. Dr Joe Huang (02) 9351 9566. **Semester**: 2. **Classes**: On campus attendance, day classes. **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 FileMaker Pro. This includes data structures, logic database design, the relational model and the functions of a database management system.

### HIMT 2043 Clinical Classification IIA

Old code 09250. 3 credit points. Ms Michelle Bramley (02) 9351 9451. **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-10-AM 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-10-AM Coding are studied and applied in detail.

**Practical**: Students will undertake practical exercises through tutorials and independent learning.

### HIMT 2045 Management Principles I

Old code 09252. 3 credit points. Ms Joanne Callen (02) 9351 9558. **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. Prof Beth Reid (02) 9351 9411. **Semester**: 2. **Classes**: On-campus attendance, 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.

### HIMT 2049 Professional Experience II

Old code 09256. 3 credit points. Ms Anne Marks (02) 9351 9057. **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 IIB

Old code 09257. 4 credit points. Ms Michelle Bramley (02) 9351 9451. **Semester**: 2. **Classes**: 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**: Students will undertake practical exercises through tutorials and independent learning.

### HIMT 2051 Health Informatics I

Old code 09258. 3 credit points. Ms Angelika Lange (02) 9351 9570. **Semester**: 1. **Classes**: Attendance 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.

### HIMT 3025 Financial Management in Health Care

Old code 09325. 3 credit points. Ms Michelle Bramley (02) 9351 9451. **Semester**: 1. **Classes**: On-campus attendance, day classes. **Assessment**: Assignment 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. Dr Joe Huang (02) 9351 9566. **Semester**: 1. **Classes**: On-campus attendance, 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.

### HIMT 3031 Medical Science III

Old code 09332. 3 credit points. Dr Joe Huang (02) 9351 9566 & Dr P Sivanandasingham. **Semester**: 2. **Classes**: On-campus attendance, day classes. **Prerequisite**: Medical Science II HIMT 3030 (09331). **Assessment**: Sectional test and 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. Ms Margaret Williamson (02) 9351 9493. **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.

### 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.

### HIMT 3041 Human Resource Management

Old code 09342. 3 credit points. Joanne Callen/Linda Ernst (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance 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 Margaret Williamson (02) 9351 9493. **Semester**: 2. **Classes**: On campus attendance, day classes. **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. Ms Joanne Callen (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance, day classes. **Assessment**: Workbook activities, assignment and final examination.

This unit 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 Michelle Bramley (02) 9351 9451. **Semester**: 1. **Classes**: 12 hrs on campus workshops during semester; directed independent study. **Prerequisite**: Clinical Classification IIB HIMT 2044 (09251). **Assessment**: Continuous assessment.

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**: Students will undertake practical exercises through tutorials and independent learning.

### HIMT 3051 Clinical Classification IIIB

Old code 09352. 3 credit points. Ms Michelle Bramley (02) 9351 9451. **Semester**: 2. **Classes**: 2 hours per week on campus. **Prerequisite**: Clinical Classification IIIA HIMT 3050 (09351). **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

### HIMT 3052 Health Informatics II

Old code 09353. 4 credit points. Ms Janelle Craig (02) 9351 9651. **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 (02) 9351 9057. **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 cutting 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 3 dimensional 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 attitude 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 settings. 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)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 1837[D]: Pass course; full-time, 3 years<br>Course code 1838[N]: Pass course; full-time, 3 years<br>Course code 1839[R]: Pass course; full-time, 3 years | | | | | |
| **■ Year 1** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1131** | *251A3* | Foundations of Psychology for the Health Sciences | 3 | | 1 |
| **BIOS 1119** | *111C6* | Introductory Radiation Physics 1A | 6 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | Human Biology and Biochemistry | 4 | **A** Basic Chemistry.<br>*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 |
| **MRTY 1018** | *18120* | Introduction to Clinical Education | 3 | **C** Radiographic Practice 1A MRTY 1019 (18121) or Radiation Therapy 1A MRTY 1027 (18129) or Nuclear Medicine 1A MRTY 1023 (18125). | 1 |
| Semester 1 total: 20 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1130** | *251A2* | Foundations of Health Sociology | 3 | | 2 |
| **BACH 1143** | *251B5* | Designing Health Research | 3 | | 2 |
| **BIOS 1120** | *111C7* | Introductory Radiation Physics 1B | 3 | | 2 |
| **BIOS 1129** | *111D6* | Structure, Function and Disease II | 4 | **A** Human Biology and Biochemistry BIOS 1124 (111D2). | 2 |
| Semester 2 total: 13 credit points | | | | | |
| plus | | | | | |
| **Diagnostic Radiography** | | | | | |
| **Semester 1** | | | | | |
| **MRTY 1019** | *18121* | Radiographic Practice 1A | 4 | **C** Introductory Radiation Physics 1A BIOS 1119 (111C6). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 1020** | *18122* | Radiographic Practice 1B | 5 | **P** Radiographic Practice 1A MRTY 1019 (18121).<br>**C** Radiographic Physics 1 MRTY 1021 (18123), Structure Function and Disease 2BIOS 1129 (111D6). | 2 |
| **MRTY 1021** | *18123* | Radiographic Physics 1 | 3 | **P** Introductory Radiation Physics 1A BIOS 1119 (111C6). | 2 |
| **MRTY 1022**[1] | *18124* | Clinical Education 1A | 3 | **P** Introduction to Clinical Education MRTY 1018 (18120), Radiographic Practice 1A MRTY 1019 (18121), CPR Certificate.<br>**C** Radiographic Practice 1B MRTY 1020 (18122). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| or | | | | | |
| **Nuclear Medicine** | | | | | |
| **Semester 1** | | | | | |
| **MRTY 1023** | *18125* | Nuclear Medicine 1A | 4 | **C** Introductory Radiation Physics 1A BIOS 1119 (111C6). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 1024** | *18126* | Nuclear Medicine 1B | 5 | **P** Nuclear Medicine 1A MRTY 1023 (18125).<br>**C** Clinical Education 1B MRTY 1026 (18128). | 2 |
| **MRTY 1025** | *18127* | Nuclear Medicine Physics 1 | 3 | **P** Introductory Radiation Physics 1A BIOS 1119 (111C6). | 2 |
| **MRTY 1026**[1] | *18128* | Clinical Education 1B | 3 | **P** Introduction to Clinical Education MRTY 1080 (18120). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| or | | | | | |
| **Radiation Therapy** | | | | | |
| **Semester 1** | | | | | |
| **MRTY 1027** | *18129* | Radiation Therapy 1A | 4 | **C** Introductory Radiation Physics 1A BIOS 1119 (111C6). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 1028** | *18130* | Radiation Therapy 1B | 5 | **P** Radiation Therapy 1A MRTY 1027 (18129).<br>**C** Radiation Therapy Physics 1 MRTY 1029 (18131). | 2 |
| **MRTY 1029** | *18131* | Radiation Therapy Physics 1 | 3 | **P** Introductory Radiation Physics 1A BIOS 1119 (111C6). | 2 |
| **MRTY 1030**[1] | *18132* | Clinical Education 1C | 3 | **P** Introduction to Clinical Education MRTY 1018 (18120), CPR Certificate. | 2 |
| Semester 2 total: 24 credit points | | | | | |

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 |
|---|---|---|---|---|---|
| **■ Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BIOS 2097** | *112F2* | Structure, Function and Disease III | 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).<br>**C** Structure, Function and Disease 3 BIOS 2097 (112F2). | 1 |
| Semester 1 common units total: 10 credit points | | | | | |
| **Semester 2** | | | | | |
| **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 |
| Semester 2 common units total: 3 credit points | | | | | |
| plus | | | | | |
| **Diagnostic Radiography** | | | | | |
| **Semester 1** | | | | | |
| **MRTY 2060** | *18260* | Radiographic Physics 2 | 4 | **P** Introductory Radiation Physics 1A BIOS 1119 (111C6).<br>**C** Introductory Radiation Biology and Protection MRTY 2057 (18257). | 1 |
| **MRTY 2061** | *18261* | Radiographic Practice 2 | 7 | **P** Radiographic Practice 1B MRTY 1020 (18122), Clinical Education 1A MRTY 1022 (18124). | 1 |
| **MRTY 2062** | *18262* | Radiographic Pathology 1 | 3 | **P** Radiographic Practice 1B MRTY 1020 (18122).<br>**C** Radiographic Practice 2 MRTY 2061 (18261). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 2063**[2] | *18263* | Clinical Education 2A | 21 | **P** Clinical Education 1A MRTY 1022 (18124), Radiographic Practice 2 MRTY 2061 (18261).<br>**C** Medical Ethics and Professional Issues MRTY 2059 (18259). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| or | | | | | |
| **Nuclear Medicine** | | | | | |
| **MRTY 2064** | *18264* | Nuclear Medicine Physics 2 | 4 | **P** Nuclear Medicine Physics 1 MRTY 1025 (18127).<br>**C** Introductory Radiation Biology and Protection MRTY 2057 (18257). | 1 |
| **MRTY 2065** | *18265* | Nuclear Medicine 2 | 6 | **A** Basic principles of Nuclear Medicine Imaging.<br>**P** Nuclear Medicine 1B MRTY 1024 (18126), Clinical Education 1B MRTY 1026 (18128). | 1 |
| **MRTY 2066** | *18266* | Radiopharmacy | 4 | **P** Human Biology and Biochemistry BIOS 1124 (111D2) or approved alternative. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 2067**[2] | *18267* | Clinical Education 2B | 21 | **P** Clinical Education 1B MRTY 1026 (18128), Nuclear Medicine 2.<br>**C** Medical Ethics and Professional Issues MRTY 2059 (18259). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| or | | | | | |
| **Radiation Therapy** | | | | | |
| **Semester 1** | | | | | |
| **BIOS 2094** | *112E7* | 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).<br>**C** Introductory Radiation Biology and Protection MRTY 2057 (18257). | 1 |
| **MRTY 2069** | *18269* | Radiation Therapy 2 | 7 | **P** Radiation Therapy 1B MRTY 1028 (18130).<br>**C** Radiation Therapy Physics 2 MRTY 2068 (18268) Oncology A BIOS 2094 (112E7). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 2070**[2] | *18270* | Clinical Education 2C | 21 | **P** Clinical Education 1C MRTY 1030 (18132), Radiation Therapy 2 MRTY 2069 (18269).<br>**C** Medical Ethics and Professional Issues MRTY 2059 (18259). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 3** | | | | | |
| **Semester 1** | | | | | |
| 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 | | 1 |
| Choice of one of the following: | | | | | |
| **BACH 1135** | *251A7* | Health, Attitudes and Interaction | 3 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). | 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 |
|---|---|---|---|---|---|
| **BACH 1136** | *251A8* | Clients, Practitioners and Organisations | 3 | | 1 |
| 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). | 1 |
| Semester 1 common units total: 9 credit points | | | | | |
| **Semester 2** | | | | | |
| 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. | 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).<br>**N** Cognitive Factors in Health; Cognition and Neurocognitive Recovery. | 2 |
| plus | | | | | |
| **MRTY 3060** | *18360* | Medical Radiations Project | 3 | **P** Radiographic Practice 3 MRTY 3063 (18363) or Nuclear Medicine 3A MRTY 3070 (18370) or Radiation Therapy3A MRTY 3075 (18375). | 2 |
| **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). | 2 |
| Semester 2 common units total: 9 credit points | | | | | |
| plus | | | | | |
| **Diagnostic Radiography** | | | | | |
| **Semester 1** | | | | | |
| **MRTY 3062** | *18362* | Radiographic Physics 3A | 3 | **P** Radiographic Physics 2 MRTY 2060 (18260), Radiographic Practice 2 MRTY 2061 (18261).<br>**C** Image Processing MRTY 3059 (18359). | 1 |
| **MRTY 3063** | *18363* | Radiographic Practice 3 | 3 | **P** Radiographic Practice 2 MRTY 2061 (18261).<br>**C** Clinical Education 3A MRTY 3066 (18366). | 1 |
| **MRTY 3064** | *18364* | Sonography A | 3 | | 1 |
| **MRTY 3065** | *18365* | Radiographic Pathology 2 | 3 | **C** Radiographic Practice 3 MRTY 3063 (18363). | 1 |
| **MRTY 3066** | *18366* | Clinical Education 3A | 3 | **P** Clinical Education 2A MRTY 2063 (18263), Radiographic Practice 2 MRTY 2061 (18261).<br>**C** Radiographic Practice 3 MRTY 3063 (18363). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 3067** | *18367* | Radiographic Physics 3B | 3 | **P** Radiographic Physics 2 MRTY 2060 (18260), Radiographic Practice 3 MRTY 3063 (18363). | 2 |
| **MRTY 3068** | *18368* | Clinical Education 4A | 3 | **P** Clinical Education 3A MRTY 3066 (18366) Radiographic Practice 3 MRTY 3063 (18363). | 2 |
| Radiography electives[3] | | | 6 | | |
| Elective studies[4] | | | 3 | | |
| Semester 2 total: 24 credit points | | | | | |
| or | | | | | |
| **Nuclear Medicine** | | | | | |
| **Semester 1** | | | | | |
| **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).<br>**C** Image Processing MRTY 3059 (18359). | 1 |
| **MRTY 3070** | *18370* | Nuclear Medicine 3A | 6 | **P** Nuclear Medicine 2 MRTY 2065 (18265), Clinical Education 2B MRTY 2067 (18267).<br>**C** Clinical Education 3B MRTY 3071 (18371). | 1 |
| **MRTY 3071** | *18371* | Clinical Education 3B | 3 | **P** Clinical Education 2B MRTY 2067 (18267).<br>**C** Nuclear Medicine 3A MRTY 3070 (18370). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 3072** | *18372* | Nuclear Medicine 3B | 6 | **P** Nuclear Medicine 3A MRTY 3070 (18370).<br>**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[4] | | | 6 | | |
| Semester 2 total: 24 credit points | | | | | |
| or | | | | | |
| **Radiation Therapy** | | | | | |
| **Semester 1** | | | | | |
| **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).<br>**C** Image Processing MRTY 3059 (18359). | 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 3075** | *18375* | Radiation Therapy 3A | 6 | **P** Radiation Therapy 2 MRTY 2069 (18269) Radiation Therapy Physics 2 MRTY 2068 (18268), Clinical Education 2C MRTY 2070 (18270).<br>**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 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 3077** | *18377* | Radiation Therapy 3B | 6 | **P** Radiation Therapy 2 MRTY 2069 (18269), Radiation Therapy Physics 2 MRTY 2068 (18268).<br>**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[4] | | | 3 | | |
| Semester 2 total: 24 credit points | | | | | |

Table 12.1.1: Bachelor of Applied Science (Medical Radiation Sciences) Honours

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 1850[D]: Honours program; full-time, 4 years<br>Course code 1851[N]: Honours program; full-time, 4 years<br>Course code 1852[R]: Honours program; full-time, 4 years<br>Course code 1853[D]: Honours program; part-time, 5 years<br>Course code 1854[N]: Honours program; part-time, 5 years<br>Course code 1855[R]: Honours program; part-time, 5 years | | | | | |

## Full-time mode

### ■ Years 1 to 3

As per Pass course

### ■ Year 4

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **MRTY 4032** | *18435* | Honours Thesis 1A | 24 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 4033** | *18436* | Honours Thesis 1B | 24 | | 2 |
| Semester 2 total: 24 credit points | | | | | |

## Part-time mode

### ■ Years 1 to 3

As per Pass course

### ■ Year 4

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **MRTY 4034** | *18437* | Honours Thesis A | 12 | *NB: No on campus classes except for compulsory workshop attendance.* | 1 |
| Semester 1 total: 12 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 4035** | *18438* | Honours Thesis B | 12 | *NB: No on campus classes except for compulsory workshop attendance.* | 2 |
| Semester 2 total: 12 credit points | | | | | |

### ■ Year 5

**Semester 1**

| | | | | | |
|---|---|---|---|---|---|
| **MRTY 4036** | *18439* | Honours Thesis C | 12 | *NB: No on campus classes except for compulsory workshop attendance.* | 1 |
| Semester 1 total: 12 credit points | | | | | |
| **Semester 2** | | | | | |
| **MRTY 4037** | *18440* | Honours Thesis D | 12 | *NB: No on campus classes except for compulsory workshop attendance.* | 2 |
| Semester 2 total: 12 credit points | | | | | |

### Notes to Table 12.1 and 12.1.1

1. Clinical Education 1A 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 1B Nuclear Medicine – 2 week block mid year and 2 weeks December or January.
   Clinical Education 1C 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 (not offered in 2004)
   MRTY 3083 (18383) Sports Injury Imaging
   MRTY 3084 (18384) Paediatric Radiography
   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
   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 2004)
   (iv) Biomedical Science electives:
   BIOS 4035 (11489) Sexuality for Health professionals
   BIOS 4044 (11498) Embryology
5. Students have the option to enrol in the Honours program in part-time mode over two years. Students complete their honours thesis across 4 part-time semesters – ie, 2 part-time semesters in year 4 and 2 part-time semesters in Year 5.
6. Participation in the Honours workshop during the four weeks prior to semester one is compulsory for all Honours students.

## ■ 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. If you have enquiries regarding this process please contact Student Administration on (02) 9351 9574.

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 do so may jeopardise 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, and the expenses for this must be met by the student. All students must wear a personal radiation monitor (PRM) that will be issued by the School against a deposit. Students are responsible for exchanging the monitor when required. Information updates are provided on the School Web site and must be checked regularly.

### Diagnostic Radiography

Clinical Education provides an opportunity for the student to integrate the knowledge acquired in the professional units of study 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.

Throughout years 2 and 3 the student's competence will be progressively monitored by university supervisors and assessed by authorised clinical assessors from the diagnostic radiography centres. By the end of the third year students must demonstrate the clinical competence required to perform as a diagnostic radiographer with minimum supervision.

### 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.

In total students spend 28 weeks on clinical placement over the three years of the degree program. All students are required to spend at least five (5) weeks away from the Sydney region. A list of currently approved Nuclear Medicine centres appears in the clinical education section of this handbook. Students are advised to plan ahead for at least one away from home placement.

### 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 provides 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*

26 July to 6 August (1 or 2 weeks depending on stream)
6 to 17 December (2 weeks) OR
3 to 14 January 2005 (Nuclear Medicine only)

*Year 2*

9 August to 24 September (7 weeks)
18 October to 3 December (7 weeks including 2 weeks on-campus from 18 to 29 October)

*Year 3*

27 January to 27 February 2005 (5 weeks)
28 June to 30 July (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 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 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, Attitudes and Interaction

Old code 251A7. 3 credit points. **Semester**: 1. **Prerequisite**: Foundations of Psychology for the Health Sciences BACH 1131 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). **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 settings 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, Practitioners 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 settings; 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 settings.

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 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). **Prohibition**: Cognitive Factors in Health; Cognition and Neurocognitive Recovery. **Assessment**: Aassignment and examination.

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**: 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 1B.

*Textbooks*

Graham D and Cloke P. Principles of Radiological Physics. (4th 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*

Graham D and Cloke P. Principles of Radiological Physics. (4th ed). Churchill Livingstone.

### BIOS 1124 **Human Biology and Biochemistry**

Old code 111D2/111D2X. 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 Edn W.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, C.M. 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% and End semester exam: 70%.

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.

*Textbooks*

Damjanov, I. (2000) Pathology for the Health-Related Professions, 2nd edition, W B Saunders.

Shier, D., Butler, J. and Lewis, R. (1999) Hole's Essentials of Human Anatomy and Physiology, 7th edition, McGraw Hill.

### 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, C.M. 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 attitudes 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.

### BIOS 4046 **Clinical Physics**

Old code 114A1. 3 credit points. Dr Gil Vella. **Semester**: 2. **Prerequisite**: Introductory Radiation Physics 1A (BIOS119) and 1B (BIOS 1120) or equivalent. **Assessment**: Assignment 1 (1500 words) on lifting (40%). Assignment 2 (2000 words) on either bioelectric signals or bioeffects (60%).

*NB: This Faculty elective, which is available to all students, is principally taken by MRS students. Only offered to students in years 3 or 4 of their course.*

This unit examines three aspects of physics used in clinical situations. The first part covers the biomechanics of lifting patients. The second part looks at the bio-electrical signals from the body, such as an emg or an ecg; how they are generated, measured and used in gating CT scans. The final part examines the biological effects of non-ionising radiation such as ultrasound, magnetic and radiofrequency fields in MRI machines and lasers.

**Practical**: Two experiments; one using a jib crane to illustrate the forces exerted on the back when lifting and the second on the types of amplifiers used in bio-instrumentation and the methods of minimising electrical noise.

*Textbooks*

No textbook, but extensive notes will be provided, together with a reference list.

### 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 MRTY 1027 (18129) or Nuclear Medicine 1A MRTY 1023 (18125). **Assessment**: Final examination.

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 1A BIOS 1119 (111C6). **Assessment**: Essay, class tests, final examination.

This unit of study will introduce the student to the basic principles of 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 2BIOS 1129 (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 and expand on image production concepts of digital imaging and image quality. The unit builds on technical and theoretical work from Radiographic Practice 1A. Introductory radiographic anatomy and pathology is included in the unit

*Textbooks*

Merrill's Atlas of Radiographic Positions and Radiologic Procedures. Ballinger, PWP Frank, ED.

### MRTY 1021 **Radiographic Physics 1**

Old code 18123. 3 credit points. To be advised. **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 three 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, three 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 body systems. It provides an introduction to quantitative analysis of functional data. 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.

**Practical**: Nuclear medicine and computer laboratories

*Textbooks*

Essentials of Nuclear Medicine Imaging (4th ed.). Mettler F.A. Jr and Guiberteau M.J. (1998).

### MRTY 1025 Nuclear Medicine Physics 1

Old code 18127. 3 credit points. Dr Dale Bailey. **Semester**: 2. **Prerequisite**: Introductory Radiation Physics 1A BIOS 1119 (111C6).

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. Dr Simon Cowell. **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 1119 (111C6). **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 1A, 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. Mr Craig Opie. **Semester**: 2. **Prerequisite**: Introductory Radiation Physics 1A BIOS 1119 (111C6). **Assessment**: Fomal test, field trip report, final examination.

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*

The Physics of Radiation Therapy. (3rd ed). Khan, F.M. (2003). Baltimore: Lippincott, Williams & Wilkins.

### MRTY 1030 Clinical Education 1C

Old code 18132. 3 credit points. Ms Nikki Field. **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, 2 weeks mid-year, 2 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, monitors, legislation and the safe use of ionising radiation common to all Medical Radiations.

*Textbooks*

Practical Radiation Protection and Applied Radiobiology (1999). Dowd SB and Tilson ER.

### 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 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. To be advised. **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**: Patient-focussed assignments/Practical 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 Atlas of Radiographic Positions and Radiologic Procedures, Philip Ballinger

### MRTY 2062 **Radiographic Pathology 1**

Old code 18262. 3 credit points. Ms Sarah Lewis. **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 and radiographic critique of normal non-contrast images of the pelvic girdle, spine, abdomen and facial bones. 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. Dr Dale Bailey. **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. **Assumed knowledge**: Basic principles of Nuclear Medicine Imaging. **Prerequisite**: Nuclear Medicine 1B MRTY 1024 (18126), Clinical Education 1B MRTY 1026 (18128). **Assessment**: Class test, assignment, exam.

This unit of study examines the application of radionuclides and imaging to the investigation of body systems. The computer analysis of functional data will be investigated. 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 and web based learning.

*Textbooks*

Essentials of Nuclear Medicine Imaging (4th ed.). Mettler, F.A., Guiberteau, M.J. (1998). W.B. Sanders Co.

### MRTY 2066 **Radiopharmacy**

Old code 18266. 4 credit points. Ms Elisabeth Kilburn-Watt. **Semester**: 1. **Classes**: On campus. **Prerequisite**: Human Biology and Biochemistry BIOS 1124 (111D2) 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. Saha, G.B. (1998).

### MRTY 2067 **Clinical Education 2B**

Old code 18267. 21 credit points. Dr Simon Cowell. **Semester**: 2. **Classes**: Clinical placements. **Prerequisite**: Clinical Education 1B MRTY 1026 (18128), Nuclear Medicine 2. **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. Ms Danielle Milinkovic. **Semester**: 1. **Prerequisite**: Radiation Therapy Physics 1 MRTY 1029 (18131). **Corequisite**: Introductory Radiation Biology and Protection MRTY 2057 (18257). **Assessment**: Fomal test, report, final examination.

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 Craig Opie. **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 1B, 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. 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
4. Practical Radiotherapy Planning, Dobbs J, Barret A, Ash D, (2nd ed) 1992 London. Arnold.

### MRTY 2070 **Clinical Education 2C**

Old code 18270. 21 credit points. 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 setting.

**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 N Bankman

### MRTY 3060 **Medical Radiations Project**

Old code 18360. 3 credit points. Mr Peter Kench. **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**: Progress reports and submission of project.

This unit of study follows on from the module in Radiographic Practice 3, Nuclear Medicine 3A and Radiation Therapy 3A, 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 Craig Opie. **Semester**: 2. **Classes**: 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 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. To be advised. **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 exmained in 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 1A, 1B & 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. Ms Jill Clarke. **Semester**: 1. **Classes**: Lectures/tutorial. **Assessment**: Class test and final examination.

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 Jeremy King. **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. To be advised. **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 Diagnositic 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. Dr Dale Bailey. **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. Mr Peter Kench. **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 in Nuclear Medicine procedures for the investigation of pathophysiology. 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**: Laboratory, problem centred and web based learning

*Textbooks*

Essentials of Nuclear Medicine Imaging (4th ed.). Mettler, F.A., Guiberteau, M.J. (1998). W.B. Sanders Co.

### MRTY 3071 **Clinical Education 3B**

Old code 18371. 3 credit points. Dr Simon Cowell. **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. Ms Edwina Adams & Mr Peter Kench. **Semester**: 2. **Classes**: On campus. **Prerequisite**: Nuclear Medicine 3A MRTY 3070 (18370). **Corequisite**: Clinical Education 4B MRTY 3073 (18373). **Assessment**: Class tests, assignments and exams.

This unit of study examines the application of radionuclides in Nuclear Medicine procedures for the investigation of pathophysiology. Key procedures will be examined comprehensively to integrate theory into practice. It also provides a study of physiological pathways which are fundamental to an understanding of design and use of radiopharmaceuticals.

**Practical**: Laboratory, problem centred and web based learning

*Textbooks*

Essentials of Nuclear Medicine Imaging (4th ed.). Mettler, F.A., Guiberteau, M.J. (1998). W.B. Sanders Co.

### MRTY 3073 **Clinical Education 4B**

Old code 18373. 3 credit points. Dr Simon Cowell. **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. Ms Nikki Field. **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**: Poster 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. Levitte, 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 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 setting.

**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 Year 2 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, salivary glands and facial sinuses. Advances in radiation therapy planning will be further addressed.

**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 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 setting.

**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. Ms Sarah Lewis. **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 3083 **Sports Injury Imaging**

Old code 18383. 3 credit points. Mr Jeremy King. **Semester**: 2. **Classes**: On campus. **Assessment**: Project submission.

*NB: Not offered in 2004*

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. Ms Sarah Lewis. **Semester**: 2.

*NB: Not offered in 2004*

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 plus magnetic resonance spectroscopy (MRS) and magnetic resonance angiography (MRA).

### MRTY 3087 **Medical Radiation Sci Physics Elective***

Old code 18387. 3 credit points. Mr Barrie Egerton. **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. Ms Jill Clarke. **Semester**: 2. **Classes**: Lectures/tutorials. **Assessment**: Class tests and final examination.

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 4032 **Honours Thesis 1A**

Old code 18435. 24 credit points. Dr Ann Poulos. **Semester**: 1.

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.

### MRTY 4033 **Honours Thesis 1B**

Old code 18436. 24 credit points. Dr Ann Poulos. **Semester**: 2.

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.

### MRTY 4034 **Honours Thesis A**

Old code 18437. 12 credit points. Dr Simon Cowell. **Semester**: 1. **Assessment**: Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project.

*NB: No on campus classes except for compulsory workshop attendance.*

This unit provides the Honours student with the opportunity to undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with their supervisor.

### MRTY 4035 **Honours Thesis B**

Old code 18438. 12 credit points. Dr Simon Cowell. **Semester**: 2. **Assessment**: Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project.

*NB: No on campus classes except for compulsory workshop attendance.*

This unit provides the Honours student with the opportunity to undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with their supervisor.

### MRTY 4036 **Honours Thesis C**

Old code 18439. 12 credit points. Dr Simon Cowell. **Semester**: 1. **Assessment**: Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project.

*NB: No on campus classes except for compulsory workshop attendance.*

This unit provides the Honours student with the opportunity to undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with their supervisor.

### MRTY 4037 **Honours Thesis D**

Old code 18440. 12 credit points. Dr Simon Cowell. **Semester**: 2. **Assessment**: Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project.

*NB: No on campus classes except for compulsory workshop attendance.*

This unit provides the Honours student with the opportunity to undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the 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 setting 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 settings, and under a range of different professional titles. Settings 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 BACH 2115 (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 | **P** Body Functions and Disease BIOS 2096 (112F1X). | 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.<br>*NB: Not offered to off-campus students in 2004.* | 1, 2 |
| **OCCP 3052** | *15395X* | 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 | **P** Client Groups 1 OCCP 2073 (152C4). | 2 |
| **OCCP 3054** | *15397X* | Professional Practice III: Mastery & Research | 11 | | Full year |
| Year 3 total: 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 4 (last offered in 2004)** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 4019** | *15442* | Honours Research Seminar II | 4 | | Full year |
| **OCCP 4043** | *154A8* | Honours Thesis | 41 | | Full year |
| Research elective (Semester 1)<br>Honours students, in consultation with their supervisor, elect to take the Research Elective in either year 3 or year 4. OCCP 4070 (154D3) Research Elective Independent Study will be introduced in 2004. | | | 3 | | |
| Year 4 total: 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** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1133** | *251A5* | Introduction to Health Psychology | 6 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | Human Biology and Biochemistry | 4 | **A** Basic Chemistry.<br>*NB: This unit will also be available in paper-based distance mode for off-campus students and possibly repeating students.* | 1 |
| **OCCP 1054** | *15155/ 15155X* | Leisure in Australia | 4 | | 1 |
| **OCCP 1055** | *15156/ 15156X* | Introduction to Leisure and Health | 4 | | 1 |
| **OCCP 1080** | *15172* | Professional Practice I: Communication | 6 | *NB: Advanced standing (for off-campus students only).* | 1 |
| **Semester 2** | | | | | |
| **BACH 1139** | *251B1* | Health and Research Design: General | 3 | | 2 |
| **BACH 2126** | *252A1* | Maladaptive Behaviours and 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 (251A3) or Introduction to Health Psychology BACH 1133 (251A5).<br>**N** Cognitive Factors in Health; Cognition and Neurocognitive Recovery. | 2 |
| **HIMT 1047** | *09147* | Australian Health Care Systems | 4 | *NB: Advanced standing (for off-campus students only).* | 2 |
| **OCCP 1057** | *15158/ 15158X* | Creative Arts in Recreation | 4 | *NB: Advanced standing (for off-campus students only).* | 1 (on-campus), 2 (off-campus) |
| **OCCP 1093** | *15179* | Leisure Practice Through the Lifecycle | 3 | **A** Basic principles of human development and leisure principles. | 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 |
|---|---|---|---|---|---|
| **OCCP 2053** | *152B1/ 152B1X* | Contemporary Issues in Healthcare | 3 | | 1 (off-campus), 2 (on-campus) |
| Year 1 total: 48 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 2074** | *152C5X* | Professional Practice II: Skill Development | 11 | **P** Professional Practice I: OCCP 1080 (15172). *NB: Advanced standing (for off-campus students only).* | Full year |
| **Semester 1** | | | | | |
| **BACH 1134** | *251A6* | Health, Illness and Social Inquiry | 6 | | 1 |
| **BIOS 2095** | *112F0/ 112F0X* | Body Functions | 4 | | 1 (on-campus), 2 (off-campus) |
| **OCCP 2058** | *152B6/ 152B6X* | Social Psychology of Leisure and Play | 3 | | 1 |
| **OCCP 2059** | *152B7/ 152B7X* | Learning Processes and Leisure Education | 3 | | 1 |
| **Semester 2** | | | | | |
| **BACH 1141** | *251B3* | Analysing Health Research: General | 3 | **A** Basic mathematics. | 1 |
| **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 (off-campus), 2 (on-campus) |
| **OCCP 1056** | *15157/ 15157X* | Management and Leadership | 4 | | 1 (off-campus), 2 (on-campus) |
| **OCCP 2062** | *152C0/ 152C0X* | Program Design and Evaluation | 4 | | 1 (off-campus), 2 (on-campus) |
| **OCCP 2073** | *152C4* | Client Groups I | 6 | **P** Introduction to Leisure and Health OCCP 1055 (15156). | 2 |
| Year 2 total: 48 credit points | | | | | |
| ■ **Year 3 (first offered in 2004)** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 3063** | *153A8* | Professional Practice III: Mastery & Research | 22 | **P** Professional Practice II OCCP 2074 (152C5). | Full year |
| **Semester 1** | | | | | |
| **OCCP 3050** | *15393/ 15393X* | Professional Communication and Guidance | 3 | | 1 |
| **Semester 2** | | | | | |
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |
| **BIOS 3054** | *113A7* | Contemporary Issues in Biomedical Sciences | 4 | | 2 |
| **OCCP 3052** | *15395X* | 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** | *15394/ 15394X* | Outdoor Recreation and Education | 3 | **A** Communication skills, Basic counselling skills. *NB: Not offered to off-campus students in 2004.* | 1, 2 |
| **OCCP 3060** | *153A5/ 153A5X* | Client Groups II | 3 | **P** Client Groups 1 OCCP 2073 (152C4). | 2 |
| Electives | | | 6 | | |
| Students are required to complete two 3 credit points electives from the School of Behavioural and Community Health Sciences. | | | | | |
| Year 3 total: 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)** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 3063** | *153A8* | Professional Practice III: Mastery & Research | 22 | **P** Professional Practice II OCCP 2074 (152C5). | Full year |
| **Semester 1** | | | | | |
| **BACH 4047** | *25446/ 25446X* | Developing a Research Project | 4 | *NB: Also available in off-campus mode.* | 1, 2 |
| **OCCP 3050** | *15393/ 15393X* | Professional Communication and Guidance | 3 | | 1 |

## Table 13.2.1: Bachelor of Applied Science (Leisure and Health) Honours (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **Semester 2** | | | | | |
| **BACH 1137** | *251A9* | Clients, Practitioners and Organisations | 3 | | 2 |
| **BIOS 3054** | *113A7* | Contemporary Issues in Biomedical Sciences | 4 | | 2 |
| **OCCP 3029** | *15378* | Honours Research Seminar I | 3 | | 2 |
| **OCCP 3059** | *15394/ 15394X* | Outdoor Recreation and Education | 3 | **A** Communication skills, Basic counselling skills. *NB: Not offered to off-campus students in 2004.* | 1, 2 |
| **OCCP 3060** | *153A5/ 153A5X* | Client Groups II | 3 | **P** Client Groups 1 OCCP 2073 (152C4). | 2 |
| Elective | | | 3 | | |
| Students are required to complete elective from the School of Behavioural and Community Health Sciences. | | | | | |
| Year 3 total: 48 credit points | | | | | |
| ■ **Year 4 (first offered in 2005)** | | | | | |
| **Full Year units of study** | | | | | |
| **OCCP 4019** | *15442* | Honours Research Seminar II | 4 | | Full year |
| **OCCP 4043** | *154A8* | Honours Thesis | 41 | | Full year |
| Research elective (Semester 1) | | | 3 | | |
| Honours students, in consultation with their supervisor, elect to take the Research Elective in either year 3 or year 4. OCCP 4070 (154D3) Research Elective Independent Study will be introduced in 2004. | | | | | |
| Year 4 total: 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** | | | | | |
| **Semester 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 (for off-campus students only).* | 1 (on-campus), 2 (off-campus) |
| **Semester 2** | | | | | |
| **BIOS 1126** | *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 |
| **BACH 1098** | *25181X* | Introduction to Health Sociology | 5 | **N** Higher Level units of Sociology. | 2 (off-campus) |
| **OCCP 1058** | *15159X* | Programming for Children and Adolescents | 4 | | 2 |
| Year 1 total: 25 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1099** | *25182X* | Psychology I | 5 | | 1 (off-campus) |
| **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 (for off-campus students only).* | 1 |
| **Semester 2** | | | | | |
| **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 |
| **BIOS 2095** | *112F0/ 112F0X* | Body Functions | 4 | | 1 (on-campus), 2 (off-campus) |
| **HIMT 1047** | *09147* | Australian Health Care Systems | 4 | *NB: Advanced standing (for off-campus students only).* | 2 |
| Year 2 total: 26 credit points | | | | | |
| ■ **Year 3** | | | | | |
| **Semester 1** | | | | | |
| **BACH 2113** | *25289/ 25289X* | Psychology of Disability I | 4 | | 1 |
| **OCCP 2059** | *152B7/ 152B7X* | Learning Processes and Leisure Education | 3 | | 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 |
|---|---|---|---|---|---|
| **OCCP 2062** | *152C0/ 152C0X* | Program Design and Evaluation | 4 | | 1 (off-campus), 2 (on-campus) |
| **Semester 2** | | | | | |
| **BACH 2114** | *25290/ 25290X* | Psychology of Disability II | 4 | | 2 |
| **BACH 2115** | *25291/ 25291X* | Research Methods I | 3 | | 2 |
| **OCCP 2060** | *152B8X* | Diversional Therapy & the Aging Population | 3 | | 2 |
| Year 3 total: 21 credit points | | | | | |
| ■ **Year 4** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 2074** | *152C5X* | Professional Practice II: Skill Development | 11 | **P** Professional Practice I: OCCP 1080 (15172). *NB: Advanced standing (for off-campus students only).* | Full year |
| **Semester 1** | | | | | |
| **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 |
| **Semester 2** | | | | | |
| **BACH 1031** | *2511KX* | 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 (off-campus), 2 (on-campus) |
| **OCCP 2061** | *152B9X* | Client Groups I | 4 | | 2 |
| Year 4 total: 28 credit points | | | | | |
| ■ **Year 5** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 3044** | *15398X* | Professional Practice III | 11 | | Full year |
| **Semester 1** | | | | | |
| **BACH 3059** | *25357/ 25357X* | Research Methods II | 2 | **P** Research Methods 1 BACH 2115 (25291/25291x). | 1 |
| **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. *NB: Not offered to off-campus students in 2004.* | 1, 2 |
| **Semester 2** | | | | | |
| **OCCP 3053** | *15396/ 15396X* | Client Groups II | 3 | **P** Client Groups 1 OCCP 2073 (152C4). | 2 |
| Elective (see note) | | | 3 | | |
| Year 5 total: 25 credit points | | | | | |
| ■ **Year 6 (first offered in 2004)** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 3045** | *15399X* | Professional Practice III | 11 | | Full year |
| **Semester 1** | | | | | |
| **BIOS 3042** | *11397/ 11397X* | Biological Sciences IIIA | 2 | | 1 |
| **Semester 2** | | | | | |
| **BIOS 3043** | *11398/ 11398X* | Biological Sciences IIIB | 2 | **P** Body Functions and Disease BIOS 2096 (112F1X). | 2 |
| **OCCP 3052** | *15395X* | 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) | | | 4 | | |
| Year 6 total: 23 credit points | | | | | |

## Note

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 settings, 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 13.4.1and 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 IV flexibility are offered. Students undertake Professional Practice IV at a suitable time in relation to their 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 4 (last offered in 2004)** | | | | | |
| Students choose three professional electives of 8 credit points each from the following twelve (availability of electives may vary from year to year). | | | | | |
| **Semester 1** | | | | | |
| **OCCP 4055** | *154B8* | Adolescent and Family Mental Health | 8 | | 1 |
| **OCCP 4056** | *154B9* | OT for Children with Learning & Coord Difficulties | 8 | | 1 |
| **OCCP 4057** | *154C0* | Upper Limb/Hand Therapy | 8 | | 1 |
| **OCCP 4058** | *154C1* | Advanced Communication & Management | 8 | | 1 |
| **OCCP 4059** | *154C2* | OT & Post-traumatic Stress Syndrome | 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 |
| **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 | | 1 |
| **OCCP 4066** | *154C9* | The Use of Creative Arts in Occupational Therapy | 8 | | 1 |
| **OCCP 4067** | *154D0* | Assessing Cognitive Impairments in Adults & Children | 8 | | 1 |
| **OCCP 4068** | *154D1* | OT in Occupational Health, Safety & Rehabilitation | 8 | **P** Human Occupations III OCCP 3030 (15379). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **OCCP 4051** | *154B4* | Professional Practice IV | 24 | **P** Professional Practice OCCP 3061 (153A6) IIIA and IIIB OCCP 3065 (153B0). | 2 |
| Semester 2 total: 24 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 4 (last offered in 2004)** | | | | | |
| Full year units of study | | | | | |
| **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 IIIB OCCP 3065 (153B0). | Full year |
| **OCCP 4054** | *154B7* | Honours Thesis | 20 | | Full year |
| Year 4 total: 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** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 1084** | *15176* | Professional Practice I | 4 | | Full year |
| **Semester 1** | | | | | |
| **BACH 1129** | *251A1* | Foundations of Health Sociology | 3 | | 1 |
| **BACH 1131** | *251A3* | Foundations of Psychology for the Health Sciences | 3 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | 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 |
| **OCCP 1081** | *15173* | Human Occupations IA | 3 | | 1 |
| **OCCP 1082** | *15174* | Occupational Therapy Theory & Process I | 5 | | 1 |
| **OCCP 1091** | *15177* | Components of Occupational Performance IA | 3 | | 1 |
| **Semester 2** | | | | | |
| **BIOS 1132** | *111D9* | Neuroscience I | 3 | | 2 |
| **BIOS 1136** | *111E3* | Functional Anatomy A | 4 | | 2 |
| **OCCP 1036** | *15137* | Human Occupations IB | 3 | | 2 |
| **OCCP 1083** | *15175* | Occupations & Roles Across the Lifespan I | 5 | | 2 |
| **OCCP 1092** | *15178* | Components of Occupational Performance IB | 5 | | 2 |
| Electives (see note) | | | 3 | | |
| Year 1 total: 48 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Full year units of study** | | | | | |
| **OCCP 2078** | *152C9* | Professional Practice II | 4 | **P** Professional Practice I OCCP 1084 (15176). | Full year |
| **Semester 1** | | | | | |
| **BACH 1142** | *251B4* | Designing Health Research | 3 | | 1 |
| **BIOS 1138** | *111E5* | Functional Anatomy B | 3 | **A** Functional Anatomy A BIOS 1136 (111E3). | 1 |
| **BIOS 1140** | *111E7* | Neuroscience II | 3 | | 1 |
| **OCCP 2041** | *15297* | Human Occupations IIA | 3 | | 1 |
| **OCCP 2075** | *152C6* | Components of Occupational Performance IIA | 4 | | 1 |
| **OCCP 2076** | *152C7* | Occupational Therapy Theory and Process II | 4 | | 1 |
| **OCCP 2077** | *152C8* | Occupations & Roles Acrss the Lifespan II | 3 | | 1 |
| **Semester 2** | | | | | |
| **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 (251A3) or Introduction to Health Psychology BACH 1133 (251A5).<br>**N** Cognitive Factors in Health; Cognition and Neurocognitive Recovery. | 2 |
| **BIOS 1127** | *111D4* | Body Systems I | 3 | **A** Human Biology and Biochemistry BIOS 1124 (111D2). | 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 |
|---|---|---|---|---|---|
| **EXSS 2015** | *22215* | Kinesiology for Occupational Therapy | 3 | | 2 |
| **OCCP 2042** | *15298* | Human Occupations IIB | 3 | **A** Child development. | 2 |
| **OCCP 2044** | *152A1* | Components of Occupational Performance IIB | 3 | | 2 |
| Year 2 total: 48 credit points | | | | | |
| ■ **Year 3 (first offered in 2004)** | | | | | |
| **Semester 1** | | | | | |
| **OCCP 3061** | *153A6* | Professional Practice IIIA | 12 | **P** Professional Practice II OCCP 2078 (152C9). | 1 |
| **OCCP 3065** | *153B0* | Professional Practice IIIB | 12 | **P** Professional Practice II OCCP 2078 (152C9). | 1 |
| **Semester 2** | | | | | |
| **BACH 1147** | *251B9* | Analysing Qualitative Health & Social Research | 3 | | 2 |
| **BACH 2126** | *252A1* | Maladaptive Behaviours and 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 |
| **EXSS 3019** | *22319* | Applied Physiology | 3 | | 2 |
| **OCCP 3032** | *15381* | Occupational Therapy Theory & Process III | 3 | | 2 |
| **OCCP 3064** | *153A9* | Human Occupations III | 3 | | 2 |
| **OCCP 3066** | *153B1* | Components of Occupational Performance III | 5 | | 2 |
| Electives (see note) | | | 3 | | |
| Year 3 total: 48 credit points | | | | | |
| ■ **Year 4 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| Professional electives Semester 1 credit points: 24<br>Students choose three professional electives of 8 credit points each. | | | | | |
| **Semester 2** | | | | | |
| **OCCP 4051** | *154B4* | Professional Practice IV | 24 | **P** Professional Practice OCCP 3061 (153A6) IIIA and IIIB OCCP 3065 (153B0). | 2 |
| Year 4 total: 48 credit points | | | | | |

■ **Note**

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)** | | | | | |
| **Semester 1** | | | | | |
| **OCCP 3061** | *153A6* | Professional Practice IIIA | 12 | **P** Professional Practice II OCCP 2078 (152C9). | 1 |
| **OCCP 3065** | *153B0* | Professional Practice IIIB | 12 | **P** Professional Practice II OCCP 2078 (152C9). | 1 |
| **Semester 2** | | | | | |
| **BACH 2126** | *252A1* | Maladaptive Behaviours and 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 |
| **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 3064** | *153A9* | Human Occupations III | 3 | | 2 |
| **OCCP 3066** | *153B1* | Components of Occupational Performance III | 5 | | 2 |
| Research elective | | | 3 | | |
| Honours students, in consultation with their supervisor, elect to take the Research Elective in either year 3 or year 4. OCCP 4070 (154D3) Research Elective Independent Study will be introduced in 2004. | | | | | |
| Year 3 total: 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)** | | | | | |
| **Full year units of study** | | | | | |
| **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 IIIB OCCP 3065 (153B0). | Full year |
| **OCCP 4054** | *154B7* | Honours Thesis | 20 | | Full year |
| Year 4 total: 48 credit points | | | | | |

# ■ Professional Practice

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 setting 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 1*
21–25 June (1 week)
*Year 2*
28 June–16 July (3 weeks)
*Year 3*
22 March – 16 April (4 weeks)
26 April – 28 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, on-line education, 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 (IIIB) 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*
28 June to 9 July (2 weeks)
*Year 2*
12 July – 30 July (other dates to be confirmed)
*Year 3*
3A: 1 March – 9 April
3B: 3 May – 18 June
*Year 4*
Pass course: 9 August – 1 October
Honours program: 8 November – 17 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 settings; 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.

### 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 attitudes, 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%), Presentation (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 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 settings; theoretical perspectives on the self, the body, illness and identity.

### 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**: 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 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 attitudes towards disability, causes of negative attitudes 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**: 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 attitudes. 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**: 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 and Behaviour Change**

Old code 252A1. 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**: 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 settings 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 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). **Prohibition**: Cognitive Factors in Health; Cognition and Neurocognitive Recovery. **Assessment**: Aassignment and examination.

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 3059 **Research Methods II**

Old code 25357/25357X. 2 credit points. Ms Karen Pepper. **Semester**: 1. **Classes**: Off campus. **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.

### 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 1124 **Human Biology and Biochemistry**

Old code 111D2/111D2X. 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 2095 **Body Functions**

Old code 112F0/112F0X. 4 credit points. Dr Elizabeth Hegedus. **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 (off-campus), 2 (on-campus). **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.

### BIOS 3042 **Biological Sciences IIIA**

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 IIIB**

Old code 11398/11398X. 2 credit points. Ms Dana Strain. **Semester**: 2. **Prerequisite**: Body Functions and Disease BIOS 2096 (112F1X).

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 3054 **Contemporary Issues in Biomedical Sciences**

Old code 113A7. 4 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 scientific technical language and to interpret biologically based data. Students enrolled in this unit of study will choose to work in one of the following areas: Sexuality for health professionals; Alternate health care; Health disease and ageing and Toxic effects of drugs and other chemicals. Assessments and instructional methodology will vary according to the topic selected.

### HIMT 1047 **Australian Health Care Systems**

Old code 09147. 4 credit points. Ms Aditi Dey (02) 9351 9058. **Semester**: 2. **Classes**: On-campus attendance, day classes. **Assessment**: Continuous assessment/examination.

*NB: Advanced standing (for off-campus students only)*

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 tool, the Health Care Game, is used in the delivery and assessment of this unit.

### 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. Ms Jo Ragen. **Semester**: 1. **Classes**: On campus 3 hours/week, Off campus. **Assessment**: 2 assignments.

This unit of study introduces students to models of practice within leisure service provision, including medical, social, individual and community models. Students will gain the knowledge 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. Models of practice will be applied to particular client groups.

*Textbooks*

Peterson, CA and Stumbo, NJ (2000) Therapeutic Recreation Program Design: Principles and Procedures, (3rd ed.).

### OCCP 1056 **Management and Leadership**

Old code 15157/15157X. 4 credit points. Mr Philip Chan. **Semester**: 1 (off-campus), 2 (on-campus). **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, H.

### OCCP 1057 **Creative Arts in Recreation**

Old code 15158/15158X. 4 credit points. Dr Norm Kelk. **Semester**: 1 (on-campus), 2 (off-campus). **Classes**: On campus 3 hours/week. **Assessment**: Assignments.

*NB: Advanced standing (for off-campus students 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 1080 **Professional Practice I: Communication**

Old code 15172. 6 credit points. Ms Jo Ragen. **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 (for off-campus students 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 1093 **Leisure Practice Through the Lifecycle**

Old code 15179. 3 credit points. Dr Norm Kelk. **Semester**: 2. **Classes**: 3 hours per week. **Assumed knowledge**: Basic principles of human development and leisure principles. **Assessment**: 1500 word essay, tutorial presentation and report.

This unit is designed to provide an integration of human developmental theory, leisure practices of people of different ages, and the design of leisure activities for people over the whole

lifespan. Students will review the information regarding changes in clients' leisure practices as a consequence of age, developmental changes, and cohort effects. They will be introduced to the design, development, implementation and evaluation of leisure programs for different groups, and for people living in different social situations. Students will be asked to observe groups of people engaged in leisure activities and existing leisure programs as part of the teaching strategies of this unit.

### 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. Ms Michelle Donelly. **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. 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 152B8X. 3 credit points. Dr Norm Kelk. **Semester**: 2. **Classes**: Off-campus. **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 I

Old code 152B9X. 4 credit points. Ms Jo Ragen. **Semester**: 2. **Classes**: Off-campus. **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**: 3 hours/week. **Prerequisite**: Introduction to Leisure and Health OCCP 1055 (15156). **Assessment**: Report (1500 words), 1000 words essay, take home Exam.

This unit introduces students to definitions and classifications of disabilities and handicaps, community attitudes towards disability, causes of negative attitudes and strategies for changing these, adjustments to disability and issues related to living with a disability. The unit continues to provide students with an understanding of the application of different models of practice which were commenced in earlier units. 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. This is achieved through lectures, tutorials and teaching sessions with people with disabilities. Models of practice will be applied to particular client groups.

### OCCP 2074 Professional Practice II: Skill Development

Old code 152C5X. 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. **Prerequisite**: Professional Practice I: OCCP 1080 (15172). **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 (for off-campus students 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 3044 Professional Practice III

Old code 15398X. 11 credit points. Ms Jo Ragen. **Semester**: Full year. **Classes**: Off-campus 12 hours. **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 placement

### OCCP 3045 **Professional Practice III**

Old code 15399X. 11 credit points. Dr Norm Kelk. **Semester**: Full year. **Classes**: 12 hours. **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 placement

### 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 attitudes 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%).

*NB: Not offered to off-campus students in 2004.*

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 15395X. 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**: Off-campus. **Prerequisite**: Client Groups 1 OCCP 2073 (152C4). **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 3059 **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%).

*NB: Not offered to off-campus students in 2004.*

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 3060 **Client Groups II**

Old code 153A5/153A5X. 3 credit points. Ms Jo Ragen. **Semester**: 2. **Classes**: On campus 2 hours/week. **Prerequisite**: Client Groups 1 OCCP 2073 (152C4). **Assessment**: Assessment: Assignments.

This unit will continue to develop and integrate expertise in supporting people participating in leisure programs who experience various disabilities. Current legislation and policy related to these client groups will be examined, and approaches to policy development discussed. The unit continues to provide students with an understanding of the ways in which clinical and community environments affect participation in leisure and recreation which was commenced in earlier units.

### OCCP 3063 **Professional Practice III: Mastery & Research**

Old code 153A8. 22 credit points. Ms Jo Ragen. **Semester**: Full year. **Classes**: On-campus 3 hours for 4 weeks, plus fieldwork placement. **Prerequisite**: Professional Practice II OCCP 2074 (152C5). **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 Ev Innes. **Semester**: Full year. **Classes**: On campus 2 hours/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.

### OCCP 4070 **Research Elective Independent Study**

Old code 154D3. 3 credit points. Various. **Semester**: Semester 2, Year 3 or Semester 1, Year 4. **Assumed knowledge**: Designing Health Research and Analysing Quantitative Health and Social Research; OR Health and Research Design: General, and Analysing Health research: General; OR equivalent. **Assessment**: Assignment (2000 words) 100%.

*NB: For Occupation and Leisure Science Honours students only*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

*Textbooks*

Course notes and readings provided dependent on the research methodology.

## ■ 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 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 settings.

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 2126 **Maladaptive Behaviours and Behaviour Change**

Old code 252A1. 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**: 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 settings and contrasts these with competing models of psychological therapy.

### 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 (251A3) or Introduction to Health Psychology BACH 1133 (251A5). **Prohibition**: Cognitive Factors in Health; Cognition and Neurocognitive Recovery. **Assessment**: Aassignment and examination.

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.

### BIOS 1124 **Human Biology and Biochemistry**

Old code 111D2/111D2X. 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. Dr Karen Ginn. **Semester**: 2. **Classes**: On campus: 42 hours, online 3 hours. **Assessment**: Mid-Semester exam (20%), End Semester practical exam (40%) and End Semester exam (40%).

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. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. 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 1138 **Functional Anatomy B**

Old code 111E5. 3 credit points. Ms Catherine Willis. **Semester**: 1. **Classes**: On campus 30 hours. **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.

### 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. Ms Katy Bridge. **Semester**: 2. **Classes**: On campus, 9 Lectures and 11 x 2 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 methods

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*
Pedretti, L.W. & Early, M.B. (Eds). (2001). Occupational therapy practice skills for physical dysfunction (5th ed.). St. Louis, MI: Mosby

### 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. Michelle Donelly and Ms Moy Dibden. **Semester**: 2. **Classes**: On campus lectures and tutorials. **Assessment**: Written assignment, examination. Peer facilitated tutorials.
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 Book and readings to be purchased.

### OCCP 1091 Components of Occupational Performance IA

Old code 15177. 3 credit points. Mr Philip Chan. **Semester**: 1. **Classes**: On campus 11 x 2 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 settings.
*Textbooks*
List to be provided in class.

### OCCP 1092 Components of Occupational Performance IB

Old code 15178. 5 credit points. Ms Kirsty Stewart and 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 11 x 2 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. Ms Michelle Donelly. **Semester**: 2. **Classes**: On campus lectures and tutorials 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 of 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 hour 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 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 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 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 3064 Human Occupations III

Old code 153A9. 3 credit points. Dr Ev Innes. **Semester**: 2. **Classes**: On campus: 13 Lectures and 2 hours tutorials. **Assessment**: Presentation and report.

This unit examines the area of productivity, including 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 3065 Professional Practice IIIB

Old code 153B0. 12 credit points. Mr Brett O'Neill. **Semester**: 1. **Classes**: On campus, briefing and debriefing tutorials, Off campus, 7 week clinical placement. **Prerequisite**: Professional Practice II OCCP 2078 (152C9). **Assessment**: Presentation and performance report.

This unit of study provides students with opportunities to demonstrate professional behaviours, integrate and apply theory and skills learned in previous units of study in the course, to occupational therapy service provision with guidance/supervision from one or more fieldwork educators. Students will complete one seven week placement and attend briefing and debriefing lectures and tutorials.

### OCCP 3066 Components of Occupational Performance III

Old code 153B1. 5 credit points. Ms Judy Ranka and Ms Moy Dibden. **Semester**: 2. **Classes**: On campus lectures and tutorials. **Assessment**: Assignments and presentations.

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 4019 Honours Research Seminar II

Old code 15442. 4 credit points. Dr Ev Innes. **Semester**: Full year. **Classes**: On campus 2 hours/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 3065 (153B0). **Assessment**: Fieldwork (Performance report, presentation and assignments) On Campus component (Presentation and assignments).

This unit of study has one 8 week block placement in a professional setting plus briefings and debriefings, and a 5 week on-campus component, 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 attitudes 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 IIIA OCCP 3061 (153A6) and IIIB OCCP 3065 (153B0). **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 setting 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 attitudes 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 Ev Innes. **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 Learning & 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 (1)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 attitudes. 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 4059 OT & Post-traumatic Stress Syndrome

Old code 154C2. 8 credit points. Ms Ruth Beltran. **Semester**: 1. **Classes**: 5 hours per week for 10 weeks, with three weeks of independent study. **Assessment**: Various.

This unit of study introduces the student to this area of occupational therapy practice. Students will understand the nature of psychosocial trauma and its effects on the individual and the community. Current service models and various programs and treatment approaches will be examined. Students will explore and develop occupational therapy perspectives and approaches in the light of current trends in this area. Students will gain beginning knowledge and skills to work in the area of refugee and war trauma, disaster trauma, and trauma of domestic violence and sexual assault.

### 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 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. 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, Dr 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.

### OCCP 4070 **Research Elective Independent Study**

Old code 154D3. 3 credit points. Various. **Semester**: Semester 2, Year 3 or Semester 1, Year 4. **Assumed knowledge**: Designing Health Research and Analysing Quantitative Health and Social Research; OR Health and Research Design: General, and Analysing Health research: General; OR equivalent. **Assessment**: Assignment (2000 words) 100%.

*NB: For Occupation and Leisure Science Honours students only*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

*Textbooks*

Course notes and readings provided dependent on the research methodology.

# 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 settings. 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 settings to promote health and facilitate rehabilitation. Work venues include generalist and specialist settings 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 offers seven graduate coursework masters programs for students who hold a physiotherapy qualification at bachelor level, or equivalent and have at least two years clinical experience. These programs include manipulative physiotherapy, sports physiotherapy, cardiopulmonary physiotherapy, neurological physiotherapy, paediatric physiotherapy, double degree in sports and manipulative physiotherapy, and a generic program which addresses a number of other professional sub-disciplines. The School offers research programs at masters and doctoral levels. In addition, the school offers a Graduate Physiotherapy Program for students who hold a bachelors degree in a related discipline. 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: Professor Joy Higgs (02) 9351 Dr Robert Herbert, (02) 9351 9380; Graduate Physiotherapy Program Coordinator: Dr Jane Latimer (02) 9351 9191.

## ■ 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 attitudes 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 sitting 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 currently 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 outline 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 thesis 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) and the Elective (164H1) 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 4 (last offered in 2004)** | | | | | |
| **Full Year units of study** | | | | | |
| **PHTY 4068** | *164G9* | Evidence-Based Practice | 3 | **P** (except Singapore courses) Research Methods I: Design BACH 1026 (2511F), 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 |
| **Semester 1** | | | | | |
| **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 4066** | *164G7* | Clinical Education IVA | 9 | **P** (except Singapore courses) Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4066 Clinical Education IVA.* | 1 |
| **PHTY 4067** | *164G8* | Clinical Education IVB | 9 | **P** (except Singapore courses) Clinical Education III PHTY 3049 (16347), 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). *NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4067 Clinical Education IVB.* | 1 |
| **Semester 2** | | | | | |
| **PHTY 4071** | *164H2* | Advanced Manipulation Skills | 1 | **P** (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3046 (16344). | 2 |

## 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 4072** | *164H3* | Neurological Physiotherapy II | 1 | **P** | (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338). | 2 |
| **PHTY 4073** | *164H4* | Clinical Education IVC | 9 | **P** | Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4073 Clinical Education IVC.* | 2 |
| **PHTY 4074** | *164H5* | Clinical Education IVD | 9 | **P** | Clinical Education III PHTY 3049(16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4074 Clinical Education IVD.* | 2 |
| Year 4 total: 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 course; full-time, 4 years | | | | | | |
| ■ **Year 4 (last offered in 2004)** | | | | | | |
| **Full Year units of study** | | | | | | |
| **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 4077** | *164H8* | Honours Research Seminar | 5 | **C** | Honours Thesis PHTY 4083 (164I4). | Full year |
| **PHTY 4083** | *164I4* | Honours Thesis | 12 | **C** | Honours Research Seminar PHTY 4077 (164H8). | Full year |
| **Semester 1** | | | | | | |
| **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 4075** | *164H6* | Clinical Education IVHA | 9 | **P** | Clinical Education III PHTY 3041 (16342). 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). 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 |
| **Semester 2** | | | | | | |
| **PHTY 4071** | *164H2* | Advanced Manipulation Skills | 1 | **P** | (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3046 (16344). | 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 | 9 | **P** | Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4073 Clinical Education IVC.* | 2 |
| **PHTY 4074** | *164H5* | Clinical Education IVD | 9 | **P** | Clinical Education III PHTY 3049(16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4074 Clinical Education IVD.* | 2 |
| Year 4 total: 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 2 (last offered in 2004)** | | | | | |
| **Full Year units of study** | | | | | |
| **PHTY 2039** | *16239* | Cardiopulmonary Physiotherapy I | 5 | **P** Body Systems: Structure and Function I BIOS 1133 (111E0). | 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 |
| **Semester 1** | | | | | |
| **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 |
| **EXSS 2008** | *22208* | Biomechanics | 4 | | 1 |
| **PHTY 2041** | *16241* | Electrophysical Agents | 4 | **A** 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).<br>**P** Foundations of Musculoskeletal Physiotherapy PHTY 1022 (16122). | 1 |
| **Semester 2** | | | | | |
| **BACH 1145**[1] | *251B7* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 2 |
| **BACH 1147**[1] | *251B9* | Analysing Qualitative Health & Social Research | 3 | | 2 |
| **BIOS 2103** | *112F7* | Neurosciences for Physiotherapists | 3 | **P** Introductory Neuroscience BIOS 1137 (111E4). | 2 |
| **PHTY 2042** | *16242* | Ethical 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 |
| Year 2 total: 48 credit points | | | | | |
| **■ Year 3 (first offered in 2004)** | | | | | |
| **Full Year units of study** | | | | | |
| **EXSS 3009** | *22309* | Applied Physiology | 5 | | Full year |
| **PHTY 3038** | *16339* | Paediatrics | 5 | **P** Cardiopulmonary Physiotherapy I PHTY 2039 (16239), Musculoskeletal Physiotherapy II PHTY 2040 (16240), Biomechanics EXSS 2008 (22208).<br>**C** Neurological Physiotherapy I PHTY 3047 (16345), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). | Full year |
| **PHTY 3046** | *16344* | Musculoskeletal Physiotherapy III | 7 | | Full year |
| **PHTY 3047** | *16345* | Neurological Physiotherapy I | 6 | **P** Neurosciences for Physiotherapists BIOS 2103 (112F7), Biomechanics EXSS 2008 (22208). | Full year |
| **PHTY 3048** | *16346* | Community and Occupational Physiotherapy | 7 | **C** Musculoskeletal Physiotherapy III PHTY 3046 (16344). | Full year |
| **Semester 1** | | | | | |
| **BACH 2125** | *252A0* | Maladaptive Behaviours and Behaviour Change | 4 | | 1 |
| **PHTY 3029** | *16330* | Cardiopulmonary Physiotherapy II | 2 | **P** Body Systems BIOS 2099 (112F4), Cardiopulmonary Physiotherapy I PHTY 2039 (16239). | 1 |
| **Semester 2** | | | | | |
| **PHTY 3049** | *16347* | Clinical Education III | 9 | **P** Clinical Education I PHTY 2043 (16243), Electrophysical Agents PHTY 2041 (16241). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III.<br>**C** Neurological Physiotherapy I PHTY 3047 (16345), Musculoskeletal Physiotherapy III PHTY 3046 (16344). | 2 |
| **PHTY 3050** | *16348* | Exercise Management in Health and Disease | 2 | | 2 |
| Year 3 total: 48 credit points | | | | | |
| **■ Year 4 (first offered in 2005)** | | | | | |
| **Full Year units of study** | | | | | |
| **PHTY 4070** | *164H1* | Elective | 2 | | Full year |
| **PHTY 4084** | *164I5* | Evidence Based Practice | 4 | | Full year |
| **PHTY 4086** | *164I7* | Neurological Physiotherapy II | 2 | | 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 |
|---|---|---|---|---|---|
| **Semester 1** | | | | | |
| **PHTY 4066** | *164G7* | Clinical Education IVA | 9 | **P** (except Singapore courses) Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4066 Clinical Education IVA.* | 1 |
| **PHTY 4067** | *164G8* | Clinical Education IVB | 9 | **P** (except Singapore courses) Clinical Education III PHTY 3049 (16347), 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). *NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4067 Clinical Education IVB.* | 1 |
| **Semester 2** | | | | | |
| **PHTY 4073** | *164H4* | Clinical Education IVC | 9 | **P** Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4073 Clinical Education IVC.* | 2 |
| **PHTY 4074** | *164H5* | Clinical Education IVD | 9 | **P** Clinical Education III PHTY 3049(16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4074 Clinical Education IVD.* | 2 |
| **PHTY 4085** | *164I6* | Complex Cases | 3 | | 2 |
| **PHTY 4071** | *164H2* | Advanced Manipulation Skills | 1 | **P** (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3046 (16344). | 2 |
| Year 4 total: 48 credit points | | | | | |

■ **Note**

1. Students choose either BACH 1145 or BACH 1147.

## 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)** | | | | | |
| **Full Year units of study** | | | | | |
| **EXSS 3009** | *22309* | Applied Physiology | 5 | | Full year |
| **PHTY 3038** | *16339* | Paediatrics | 5 | **P** Cardiopulmonary Physiotherapy I PHTY 2039 (16239), Musculoskeletal Physiotherapy II PHTY 2040 (16240), Biomechanics EXSS 2008 (22208). **C** Neurological Physiotherapy I PHTY 3047 (16345), Cardiopulmonary Physiotherapy II PHTY 3029 (16330). | Full year |
| **PHTY 3042** | *16343* | Research for Physiotherapists | 4 | | Full year |
| **PHTY 3046** | *16344* | Musculoskeletal Physiotherapy III | 7 | | Full year |
| **PHTY 3047** | *16345* | Neurological Physiotherapy I | 6 | **P** Neurosciences for Physiotherapists BIOS 2103 (112F7), Biomechanics EXSS 2008 (22208). | Full year |
| **PHTY 3048** | *16346* | Community and Occupational Physiotherapy | 7 | **C** Musculoskeletal Physiotherapy III PHTY 3046 (16344). | Full year |
| **Semester 1** | | | | | |
| **BACH 2125** | *252A0* | Maladaptive Behaviours and Behaviour Change | 4 | | 1 |
| **PHTY 3029** | *16330* | Cardiopulmonary Physiotherapy II | 2 | **P** Body Systems BIOS 2099 (112F4), Cardiopulmonary Physiotherapy I PHTY 2039 (16239). | 1 |
| **Semester 2** | | | | | |
| **BACH 3043** | *25341* | Research Statistics | 2 | **A** Windows Operating System. **P** Analysing Quantitative Health & Social Research BACH 1145 (251B7) or Analysing Quantitative Health & Social Research BACH 1147 (251B9). | 2 |
| **PHTY 3049** | *16347* | Clinical Education III | 9 | **P** Clinical Education I PHTY 2043 (16243), Electrophysical Agents PHTY 2041 (16241). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III. **C** Neurological Physiotherapy I PHTY 3047 (16345), Musculoskeletal Physiotherapy III PHTY 3046 (16344). | 2 |

## Table 14.2.1: 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 3050** | *16348* | Exercise Management in Health and Disease | 2 | | 2 |
| Year 3 total: 54 credit points | | | | | |
| ■ **Year 4 (first offered in 2005)** | | | | | |
| **Full Year units of study** | | | | | |
| **PHTY 4086** | *164I7* | Neurological Physiotherapy II | 2 | | Full year |
| **PHTY 4089** | *164J0* | Honours Research Seminar | 4 | | Full year |
| **PHTY 4090** | *164J1* | Honours Thesis | 12 | | Full year |
| **Semester 1** | | | | | |
| **PHTY 4087** | *164I8* | Clinical Education IVHA | 7 | **P** Clinical Education III PHTY 3049 (16347). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4087 (164I8), Clinical Education IVHB PHTY 4088(164I9), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5). | 1 |
| **PHTY 4088** | *164I9* | Clinical Education IVHB | 7 | **P** Clinical Education III PHTY 3049 (16347). Students who fail PHTY 3029 are precluded from undertaking the Cardiopulmonary and Neurology modules of Clinical Education IVHA PHTY 4087 (164I8), Clinical Education IVHB PHTY 4088(164I9), Clinical Education IVC PHTY 4073 (164H4), Clinical Education IVD PHTY 4074 (164H5). | 1 |
| **PHTY 4091** | *164J2* | Advanced Manipulation Skills | 1 | | 1 |
| **Semester 2** | | | | | |
| **PHTY 4073** | *164H4* | Clinical Education IVC | 9 | **P** Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4073 Clinical Education IVC.* | 2 |
| **PHTY 4074** | *164H5* | Clinical Education IVD | 9 | **P** Clinical Education III PHTY 3049(16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4074 Clinical Education IVD.* | 2 |
| **PHTY 4085** | *164I6* | Complex Cases | 3 | | 2 |
| Year 4 total: 54 credit points | | | | | |

## Table 14.3: 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 1691: Pass course; full-time, 4 years | | | | | |
| ■ **Year 1 (first offered in 2004)** | | | | | |
| **Semester 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 1135** | *111E2* | Functional Anatomy A | 4 | | 1 |
| **BIOS 1137** | *111E4* | Introductory Neuroscience | 3 | | 1 |
| **EXSS 1026** | *22119* | Biomechanics A | 3 | | 1 |
| **PHTY 1021** | *16121* | Motor Performance and Learning | 4 | **P** Foundations of Psychology for the Health Sciences BACH 1131 (251A3). | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1130** | *251A2* | Foundations of Health Sociology | 3 | | 2 |
| **BACH 1145**[1] | *251B7* | Analysing Quantitative Health & Social Research | 3 | **A** Basic mathematics. | 2 |
| **BACH 1147**[1] | *251B9* | Analysing Qualitative Health & Social Research | 3 | | 2 |
| **BIOS 1133** | *111E0* | Body Systems: Structure and Function I | 3 | **A** Molecules and Energy BIOS 1130 (111D7) or Chemistry IA CHEM 1101. | 2 |
| **BIOS 1144** | *111F1* | Functional Anatomy B for Physiotherapists | 5 | **A** Functional Anatomy A BIOS 1135 (111E2). | 2 |
| **BIOS 2103** | *112F7* | Neurosciences for Physiotherapists | 3 | **P** Introductory Neuroscience BIOS 1137 (111E4). | 2 |

Table 14.3: 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 |
|---|---|---|---|---|---|
| **EXSS 1027** | *22120* | Biomechanics B | 3 | **A** Functional Anatomy A BIOS 1135 (111E2) and Biomechanics A EXSS 1026 (22119). | 2 |
| **EXSS 1028** | *22121* | Muscle Mechanics | 4 | | 2 |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 2 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BACH 2125** | *252A0* | Maladaptive Behaviours and Behaviour Change | 4 | | 1 |
| **BIOS 2099** | *112F4* | Body Systems: Structure and Function II and Pharmacology | 4 | **A** Molecules and Energy BIOS 1130 (111D7). | 1 |
| **EXSS 2024** | *22224* | Applied Physiology | 5 | | 1 |
| **PHTY 2045** | *16245* | Evidence Based Physiotherapy | 3 | **P** Designing Health Research.<br>**C** Analyzing Quantitative/Qualitative Health and Social Research. | 1 |
| **PHTY 2046** | *16246* | Professional Practice | 4 | **P** Foundations of Psychology for the Health Sciences; Foundations of Health Sociology.<br>**C** Clinical Observation and Measurement. | 1 |
| **PHTY 2047** | *16247* | Clinical Observation and Measurement | 4 | **P** Functional Anatomy A; Functional Anatomy B for Physiotherapists; Biomechanics A; Biomechanics B.<br>**C** Professional Practice. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **PHTY 2048** | *16248* | Cardiopulmonary Physiotherapy A | 4 | **P** Body systems: structure and function 1; Applied Physiology.<br>**C** Body Systems: Structure and Function 2 and Pharmacology. | 2 |
| **PHTY 2049** | *16249* | Neurological Physiotherapy A | 6 | **P** Neuroscience for physiotherapists; Motor Performance and Learning.<br>**C** Clinical observation and measurement; Muscle mechanic; Evidence based physiotherapy. | 2 |
| **PHTY 2050** | *16250* | Musculoskeletal Physiotherapy A | 8 | **P** Functional Anatomy A; Functional Anatomy B for physiotherapists.<br>**C** Clinical Observation and Measurement; Muscle mechanics; Evidence based physiotherapy. | 2 |
| **PHTY 2051** | *16251* | Musculoskeletal Physiotherapy B | 6 | **P** Functional Anatomy A; Functional Anatomy B for physiotherapists.<br>**C** Clinical Observation and Measurement; Neuroscience for physiotherapists; Evidence based physiotherapy. | 2 |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 3 (first offered in 2006)** | | | | | |
| **Semester 1** | | | | | |
| **PHTY 3051** | *16349* | Cardiopulmonary Physiotherapy B | 6 | **P** Cardiopulmonary Physiotherapy A.<br>*NB: First offered in 2006.* | 1 |
| **PHTY 3052** | *16350* | Neurological Physiotherapy B | 4 | **P** Neurological Physiotherapy A. | 1 |
| **PHTY 3053** | *16351* | Musculoskeletal Physiotherapy C | 8 | **P** Musculoskeletal Physiotherapy A; Musculoskeletal Physiotherapy B. | 1 |
| **PHTY 3054** | *16352* | Musculoskeletal Physiotherapy D | 6 | **P** Musculoskeletal Physiotherapy A; Musculoskeletal Physiotherapy B. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **PHTY 3055** | *16353* | Physiotherapy Practicum A | 8 | **P** Cardiopulmonary Physiotherapy A and B, Neurological Physiotherapy A and B, Musculoskeletal Physiotherapy A, B, C and D. | 2 |
| **PHTY 3056** | *16354* | Physiotherapy Practicum B | 8 | **P** Cardiopulmonary Physiotherapy A and B, Neurological Physiotherapy A and B, Musculoskeletal Physiotherapy A, B, C and D. | 2 |
| **PHTY 3057** | *16355* | Physiotherapy Practicum C | 8 | **P** Cardiopulmonary Physiotherapy A and B, Neurological Physiotherapy A and B, Musculoskeletal Physiotherapy A, B, C and D. | 2 |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 4 (first offered in 2007)** | | | | | |
| **Semester 1** | | | | | |
| **PHTY 4092** | *164J3* | Musculoskeletal Physiotherapy E | 4 | **P** Musculoskeletal Physiotherapy C; Musculoskeletal Physiotherapy D. | 1 |
| **PHTY 4093** | *164J4* | Cardiopulmonary and Neurological Physiotherapy | 4 | **P** Neurological Physiotherapy B; Cardiopulmonary Physiotherapy B. | 1 |
| **PHTY 4094** | *164J5* | Physiotherapy Practicum D | 8 | **P** Cardiopulmonary Physiotherapy B, Neurological Physiotherapy B, Musculoskeletal Physiotherapy C and D.<br>**C** Musculoskeletal Physiotherapy E; Cardiopulmonary and Neurological Physiotherapy. | 1 |
| **PHTY 4095** | *164J6* | Physiotherapy Practicum E | 8 | **P** Cardiopulmonary Physiotherapy B, Neurological Physiotherapy B, Musculoskeletal Physiotherapy C and D.<br>**C** Musculoskeletal Physiotherapy E; Cardiopulmonary and Neurological Physiotherapy. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **PHTY 4096** | *164J7* | Physiotherapy in Childhood | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E\t.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4097** | *164J8* | Physiotherapy in the Workplace | 4 | **P** Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |

## Table 14.3: 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 4098** | *164J9* | Physiotherapy in Recreation | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4099** | *164K0* | Physiotherapy in the Community | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4100** | *164K1* | Physiotherapy for Older People | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| Elective Studies | | | 4 | | |
| Semester 2 total: 24 credit points | | | | | |

■ **Note**

1. Students choose either BACH 1145 or BACH 1147.

## Table 14.3.1: 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 1692: Honours course; full-time, 4 years | | | | | |
| ■ **Year 4 (first offered in 2007)** | | | | | |
| **Semester 1** | | | | | |
| **PHTY 4092** | *164J3* | Musculoskeletal Physiotherapy E | 4 | **P** Musculoskeletal Physiotherapy C; Musculoskeletal Physiotherapy D. | 1 |
| **PHTY 4093** | *164J4* | Cardiopulmonary and Neurological Physiotherapy | 4 | **P** Neurological Physiotherapy B; Cardiopulmonary Physiotherapy B. | 1 |
| **PHTY 4094** | *164J5* | Physiotherapy Practicum D | 8 | **P** Cardiopulmonary Physiotherapy B, Neurological Physiotherapy B, Musculoskeletal Physiotherapy C and D.<br>**C** Musculoskeletal Physiotherapy E; Cardiopulmonary and Neurological Physiotherapy. | 1 |
| **PHTY 4095** | *164J6* | Physiotherapy Practicum E | 8 | **P** Cardiopulmonary Physiotherapy B, Neurological Physiotherapy B, Musculoskeletal Physiotherapy C and D.<br>**C** Musculoskeletal Physiotherapy E; Cardiopulmonary and Neurological Physiotherapy. | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| Select four from the following five: | | | | | |
| **PHTY 4096** | *164J7* | Physiotherapy in Childhood | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E\t.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4097** | *164J8* | Physiotherapy in the Workplace | 4 | **P** Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4098** | *164J9* | Physiotherapy in Recreation | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4099** | *164K0* | Physiotherapy in the Community | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| **PHTY 4100** | *164K1* | Physiotherapy for Older People | 4 | **P** Cardiopulmonary and Neurological Physiotherapy; Musculoskeletal Physiotherapy E.<br>**C** Physiotherapy Practicum D; Physiotherapy Practicum E. | 2 |
| Plus | | | | | |
| **PHTY 4101** | *164K2* | Honours Research Dissertation | 8 | | 2 |
| Semester 2 total: 24 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 settings under the supervision and guidance of clinical educators. Clinical education offers undergraduates and graduates the chance to integrate academic units and practical skills in a clinical setting thereby gaining experience in physiotherapy practice.

During the undergraduate and graduate programs students are allocated to one of five clinical 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: (i) obtain criminal record clearance; (ii) comply with the NSW Child Protection Act; (iii) comply with NSW Department of Health Circulars 2002/97 regarding immunization and vaccination. Information about these requirements is contained in Chapter 19, Clinical Education.

It is also a requirement that all physiotherapy 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.

A specific number of clinical hours is required to ensure adequate clinical 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*

12 July to 6 August

*Year 3*

9 August to 10 September

*Year 4 Pass/Honours*

26 April to 28 May

7 June to 9 July

20 September to 22 October

1 November to 3 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 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 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 settings.

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 2125 Maladaptive Behaviours and Behaviour Change

Old code 252A0. 4 credit points. **Semester**: 1.

### 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**: Analysing Quantitative Health & Social Research BACH 1145 (251B7) or Analysing Quantitative Health & Social Research BACH 1147 (251B9). **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 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 Laurette Batmanian. **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) or Chemistry IA CHEM 1101. **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: 42 hours, online 3 hours. **Assessment**: Mid-Semester exam (20%), End Semester practical exam (40%) and End Semester exam (40%).

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. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. 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 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.

### BIOS 1144 Functional Anatomy B for Physiotherapists

Old code 111F1. 5 credit points. Ms Catherine Willis. **Semester**: 2. **Assumed knowledge**: Functional Anatomy A BIOS 1135 (111E2). **Assessment**: Practical exam (20%) and end semester exam (80%).

This unit of study examines the detailed gross anatomical structure and functional anatomy of the lower limb, vertebral column, pelvis, thorax and neck, including the functional anatomy of gait. This is followed by an examination of the functional anatomy associated with chewing, swallowing and communication. In addition the embryological development of the musculoskeletal and cardiorespiratory systems of relevance to physiotherapists will be covered. Material will be presented in lectures and practical sessions on campus and in online tutorial sessions. In addition students will also be expected to undertake some independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

### 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 (MCQ) and End Semester exams (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 30 hours. **Prerequisite**: Introductory Neuroscience BIOS 1137 (111E4). **Assessment**: Mid Semester Exam and End Semester Exam.

This unit provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Tissues from human cadavers will be studied and attendance at these classes is a subject requirement.

*Textbooks*

Reference list (no prescribed texts).

### EXSS 1026 **Biomechanics A**

Old code 22119. 3 credit points. **Semester**: 1. **Assessment**: Mid semester written examination (40% and end semester written examination (60%).

This unit provides an understanding of the principles and practice of biomechanics relevant to the analysis of movement associated with a wide range of human activities. The underlying principles of movement analysis are presented together with particular application to the analysis of human movement. These principles are applied in some detail to walking gait. There is an emphasis throughout the unit on the application of principles to problem solving in real situations in clinical and workplace contexts.

### EXSS 1027 **Biomechanics B**

Old code 22120. 3 credit points. **Semester**: 2. **Assumed knowledge**: Functional Anatomy A BIOS 1135 (111E2) and Biomechanics A EXSS 1026 (22119). **Assessment**: Mid semester written examination (40% and end semester written examination (60%).

This unit provides an understanding of the principles and practice of biomechanics relevant to the analysis of body loads and tissue stresses associated with a wide range of human activities. The impact of movement and muscle action on tissues is studied through the application of statics, kinetics, energy analysis, electromyography, tissue mechanics. Particular application of these principles is made to balance and stability, the function and dysfunction of the spine, and simple lifting procedures. There is an emphasis throughout the unit on the application of principles to problem solving in real situations in clinical and workplace contexts.

### EXSS 1028 **Muscle Mechanics**

Old code 22121. 4 credit points. Mr Tom Gwinn. **Semester**: 2.

This unit focuses on the sarcomere, and its molecular components, as the basis of skeletal muscle function and adaptability. Starting from the cross bridge cycle and the mechanical behaviour of an isolated sarcomere, students progress to explore the functional implications of altered assemblies of sarcomeres in series on in parallel. Data is presented on sarcomere remodelling of human muscle in response to training and disuse. Students then apply this information to deduce the effects of these adaptations on muscle function, including alterations in the capacity to produce force and power, and on the passive length-tension properties of muscle. Adaptations of muscle to chronic shortening and lengthening are also examined. The control of muscle activation is examined both at the cellular level (excitation and excitation – contraction coupling) and at the whole muscle level (recruitment and rate coding). Practical classes examine muscle histology and architecture, and the analysis of joint torques during maximal voluntary isometric, shortening and lengthening contractions.

### 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.

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.

### PHTY 1021 **Motor Performance and Learning**

Old code 16121. 4 credit points. Dr Roger Adams. **Semester**: 1. **Classes**: On campus, 38 hours. **Prerequisite**: Foundations of Psychology for the Health Sciences BACH 1131 (251A3).

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, talent and expertise. The second examines features of the learning environment that can be manipulated to promote motor learning such as goals, motivation, instruction, practice conditions and feedback, and considers normal motor development across the lifespan. The third examines the application of these features of the learning environment of rehabilitation, 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 2039 **Cardiopulmonary Physiotherapy I**

Old code 16239. 5 credit points. Ms Vicki Williams, Ms Nia Luxton. **Semester**: Full year. **Classes**: Semester 1: 30 hours, Semester 2: 24 hours. **Prerequisite**: Body Systems: Structure and Function I BIOS 1133 (111E0).

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, Foundations of Musculoskeletal Physiotherapy and Introduction to Physiotherapy Practice.

*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. Ms Wendy Annable. **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 in the management of 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, strapping and bracing, and walking aids. 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. Ms Vicki Williams. **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.

### PHTY 2043 **Clinical Education I**

Old code 16243. 6 credit points. Ms Sharon Faulkner, S.Faulkner@fhs.usyd.edu.au. **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 settings. Students may be placed in one of many healthcare settings 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 setting.

### PHTY 3029 **Cardiopulmonary Physiotherapy II**

Old code 16330. 2 credit points. Ms Lyndal Maxwell. **Semester**: 1. **Classes**: 24 hours. **Prerequisite**: Body Systems BIOS 2099 (112F4), Cardiopulmonary Physiotherapy I PHTY 2039 (16239).

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 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 2039 (16239), Musculoskeletal Physiotherapy II PHTY 2040 (16240), Biomechanics EXSS 2008 (22208). **Corequisite**: Neurological Physiotherapy I PHTY 3047 (16345), 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 practitioner in the area of paediatric physiotherapy. The student will become aware of the changes which occur from infancy through to maturity 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 the student for the health care setting. The unit of study will provide opportunity for students to incorporate information gained from other units of study such as clinical observation and measurement, 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 3042 **Research for Physiotherapists**

Old code 16343. 4 credit points. Dr Adrienne Hunt. **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 3046 **Musculoskeletal Physiotherapy III**

Old code 16344. 7 credit points. Dr Jane Latimer. **Semester**: Full year. **Classes**: Semester 1: 70 hours, Semester 2: 16 hours.

This unit introduces students to the physiotherapy assessment and management of spinal pain and disability with the focus being on primary care management. Students learn to 'triage' patients with spinal pain, a system that allows them to distinguish patients with non-specific spinal pain from those suspected of having underlying disease/pathology. The unit covers the basic epidemiology of spinal pain (risk factors, clinical course, prognostic factors) and the assessment of treatment outcome. The evidence base for management options is explored and students learn to apply a range of treatments such as education and advice, manual therapy, exercise, McKenzie therapy etc. Non-physiotherapy treatments such as surgery and drug therapy are also covered. The unit aims to teach students to integrate a variety of approaches into management of spinal pain. A module on chronic pain is included in semester II.

### PHTY 3047 Neurological Physiotherapy I

Old code 16345. 6 credit points. Dr Louise Ada. **Semester**: Full year. **Classes**: Semester 1: 52 hours, Semester 2: 24 hours. **Prerequisite**: Neurosciences for Physiotherapists BIOS 2103 (112F7), Biomechanics EXSS 2008 (22208).

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 sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting 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 3048 Community and Occupational Physiotherapy

Old code 16346. 7 credit points. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Semester 1: 37 hours, Semester 2: 28 hours. **Corequisite**: Musculoskeletal Physiotherapy III PHTY 3046 (16344).

Semester 1: 4 credits points, Semester 2: 3 credits points.

This unit examines three major primary health care issues that are pertinent to physiotherapy practice. Semester 1 covers aspects of medical and physiotherapy contribution to the provision of health care in special populations. The health care issues covered groups include elderly people in health or disease/disability; women's health; burn injuries, especially in children, amputees, HIV/AIDS, diabetes, mental illness, palliative care and Aboriginal health issues pertinent to physiotherapy. This unit will also use sociological perspectives to analyse key personal and interpersonal apsects of therapy in these groups and in health care settings. Other issues examined are those that are important in the provision of a professional physiotherapy service, including marketing and business and quality management. Semester 2 covers modules on health promotion and occupational health. The principles and practice of health promotion are explored within a community based framework and are applied to the role of the physiotherapist's contribution to health care in a number of areas. The second module in this semester covers the role of the physiotherapist in occupational health, preventative ergonomics and occupational rehabilitation. This module will also explore theoretical sociological perspectives on work and organisations in relation to injury causation and rehabilitation.

### PHTY 3049 Clinical Education III

Old code 16347. 9 credit points. Ms Angela Stark. **Semester**: 2. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: Clinical Education I PHTY 2043 (16243), Electrophysical Agents PHTY 2041 (16241). Students who fail PHTY 3029 (16330) are precluded from undertaking Cardiopulmonary or Neurology placements in Clinical Education III. **Corequisite**: Neurological Physiotherapy I PHTY 3047 (16345), Musculoskeletal Physiotherapy III PHTY 3046 (16344).

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 3050 Exercise Management in Health and Disease

Old code 16348. 2 credit points. **Semester**: 2.

### PHTY 4066 Clinical Education IVA

Old code 164G7. 9 credit points. Ms Cheryl Hobbs, C.Hobbs@fhs.usyd.edu.au. **Semester**: 1. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: (except Singapore courses) Clinical Education III PHTY 3049 (16347). 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).

*NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4066 Clinical Education IVA*

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 4067 Clinical Education IVB

Old code 164G8. 9 credit points. Ms Angela Stark. **Semester**: 1. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: (except Singapore courses) Clinical Education III PHTY 3049 (16347), 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).

*NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4067 Clinical Education IVB*

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### 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 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 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 3046 (16344).

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 Barré 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. Ms Cheryl Hobbs. **Semester**: 2. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: Clinical Education III PHTY 3049 (16347). 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).

*NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4073 Clinical Education IVC*

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 4074 **Clinical Education IVD**

Old code 164H5. 9 credit points. Ms Sharon Faulkner. **Semester**: 2. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: Clinical Education III PHTY 3049(16347). 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).

*NB: Students who are enrolled in a 3rd year unit of study that is 2nd semester or full year are not eligible to enrol in PHTY 4074 Clinical Education IVD*

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 4075 **Clinical Education IVHA**

Old code 164H6. 9 credit points. Ms Cheryl Hobbs, C.Hobbs@fhs.usyd.edu.au. **Semester**: 1. **Classes**: 140 hours off-campus plus occasional on-campus classes. **Prerequisite**: Clinical Education III PHTY 3041 (16342). 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. Students will also be responsible for individual and group training programs such as strength and fitness programs. 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 Angela Stark. **Semester**: 1. **Classes**: 140 hours off-campus plus occasional on-campus classes. **Prerequisite**: Clinical Education III PHTY 3041 (16342). 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. Students will also be responsible for individual and group training programs such as strength and fitness programs. 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 Debra Shirley. **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 164I4. 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.

## ■ Diploma of Health Science (Aboriginal Health and Community Development)

*Not offered in 2004*

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 15.1.

Table 15.1: Diploma of Health Science (Aboriginal Health and Community Development) Not offered in 2004

| 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** | | | | | |
| **Semester 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 |
| **BIOS 1076** | *11184* | Biological Sciences I | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |

Table 15.1: Diploma of Health Science (Aboriginal Health and Community Development) Not offered in 2004 (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **Semester 2** | | | | | |
| **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 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 2016** | *07263* | Community Development ll | 6 | **P** Community Development I AHCD 1031 (07181). | 1 |
| **AHCD 2020** | *07267* | Professional Practice II | 6 | **P** Professional Practice I AHCD 1035 (07185). | 1 |
| **AHCD 2021** | *07268* | Alcohol and Other Drugs II | 6 | **P** Alcohol and Other Drugs I AHCD 1036 (07126). | 1 |
| **BACH 2133** | *252B5* | Health and Human Behaviour | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 2013** | *07260* | Perspectives in Indigenous Health II | 6 | **P** Perspecitves in Indigenous Health I AHCD 1028 (07177). | 2 |
| **AHCD 2015** | *07262* | Primary Health Care II | 6 | **P** Primary Health Care I AHCD 1030 (07180). | 2 |
| **AHCD 2022** | *07269* | Introduction to Health Research | 6 | | 2 |
| **BIOS 2090** | *112E5* | Biological Sciences II | 6 | **P** Biological Sciences I BIOS 1076 (11184). | 2 |
| Semester 2 total: 24 credit points | | | | | |

# ■ 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 15.2.

### 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 15.2: 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** | | | | | |
| **Semester 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 |
| **BIOS 1076** | *11184* | Biological Sciences I | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 1031** | *07181* | Community Development I | 6 | | 2 |

Table 15.2: 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 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 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 2** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 2016** | *07263* | Community Development ll | 6 | **P** Community Development I AHCD 1031 (07181). | 1 |
| **AHCD 2020** | *07267* | Professional Practice II | 6 | **P** Professional Practice I AHCD 1035 (07185). | 1 |
| **AHCD 2021** | *07268* | Alcohol and Other Drugs II | 6 | **P** Alcohol and Other Drugs I AHCD 1036 (07126). | 1 |
| **BACH 2133** | *252B5* | Health and Human Behaviour | 6 | | 1 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 2013** | *07260* | Perspectives in Indigenous Health II | 6 | **P** Perspecitves in Indigenous Health I AHCD 1028 (07177). | 2 |
| **AHCD 2015** | *07262* | Primary Health Care II | 6 | **P** Primary Health Care I AHCD 1030 (07180). | 2 |
| **AHCD 2022** | *07269* | Introduction to Health Research | 6 | | 2 |
| **BIOS 2090** | *112E5* | Biological Sciences II | 6 | **P** Biological Sciences I BIOS 1076 (11184). | 2 |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 3** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 3015** | *07349* | Indigenous Health Research | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1 |
| Electives (see note) | | | 18 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 3008** | *07342* | Indigenous Community Health Project A | 6 | | 2 |
| **AHCD 3009** | *07343* | Professional Practice III | 6 | **P** Professional Practice II AHCD 2020 (07267). | 2 |
| Electives (see note) | | | 6 | | |
| Research elective | | | 6 | | |
| Pass students will choose one Research elective in Year 3 selected from the Research stream (see list below). | | | | | |
| Semester 2 total: 24 credit points | | | | | |
| ■ **Year 4** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 4001** | *074B5* | Indigenous Community Health Project B | 6 | **A** Knowledge of project planning.<br>**P** Completion of Indigenous Community Health Project A AHCD 3008 (07342). | 1 |
| Electives (see note) | | | 18 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 4002** | *074B6* | Professional Practice IV | 12 | **P** Professional Practice III AHCD 3009 (07343). | 2 |
| Electives (see note) | | | 12 | | |
| Semester 2 total: 24 credit points | | | | | |

■ **Note**

Pass students will choose 4 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.

Table 15.2.1: Bachelor of Health Science (Aboriginal Health and Community Development) Honours

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Course code 0781: Honours program; full-time, 4 years, block attendance, plus off-campus | | | | | |
| Years 1 and 2 | | | | | |
| As per Pass course | | | | | |
| ■ **Year 3** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 3015** | *07349* | Indigenous Health Research | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1 |

Table 15.2.1: Bachelor of Health Science (Aboriginal Health and Community Development) Honours (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| Research Elective[1] | | | 6 | | |
| Elective[2] | | | 12 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 3009** | *07343* | Professional Practice III | 6 | **P** Professional Practice II AHCD 2020 (07267). | 2 |
| **AHCD 3016** | *07350* | Writing a Research Prosposal | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 2 |
| Elective[2] | | | 12 | | |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 4** | | | | | |
| **Semester 1** | | | | | |
| **AHCD 4052** | *07445* | Honours Workshop | 6 | **P** Admitted to honours program. | 1 |
| Research Elective[1] | | | 12 | | |
| Semester 1 total: 18 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 4054** | *07447* | Research Thesis | 30 | | 2 |
| Semester 2 total: 30 credit points | | | | | |

**■ Notes**

1. Honours students will choose one Research elective in Year 3 and two Research electives in Year 4 from the Research stream (see list below).
2. Honours students will choose four electives in Year 3.

## Electives

Electives are 6 credit points each, offered subject to sufficient demand and staff availability

| | | | | | |
|---|---|---|---|---|---|
| **■ Counselling and Indigenous Mental Health stream** | | | | | |
| **AHCD 2017** | *07264* | Counselling Theory and Methods A | 6 | **P** Introduction to Counselling Skills AHCD 1032 (07182). | 1 |
| **AHCD 3010** | *07344* | Counselling for Grief and Loss | 6 | **P** Introduction to Counselling Skills AHCD 1032 (07182). | 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 4030** | *07423* | Issues in Indigenous Mental Health | 6 | **P** Introduction to Counselling Skills AHCD 1032 (07182). | 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 | **P** Introduction to Counselling Skills AHCD 1032 (07182). | 1, 2 |
| **AHCD 4042** | *07435* | Wellness | 6 | **P** Introduction to Counselling Skills AHCD 1032 (07182). | 1, 2 |
| **■ Indigenous Community Development and Management stream** | | | | | |
| **AHCD 4015** | *07409* | Health Computing | 6 | | 1, 2 |
| **AHCD 4017** | *07411* | Community Development III | 6 | **P** Community Development II AHCD 2016 (07263). | 1, 2 |
| **AHCD 4019** | *07413* | Community Development IV | 6 | **P** Community Development III AHCD 4017 (07411). | 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 Policy, Planning and Evaluation 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 | **P** Perspectives in Indigenous Health III AHCD 4033 (07426). | 1, 2 |

Table 15.2.1: Bachelor of Health Science (Aboriginal Health and Community Development) Honours (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **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 | | 2 |
| **AHCD 4023** | *07417* | Health Promotion for Indigenous Communit C | 6 | | 1, 2 |
| **AHCD 4033** | *07426* | Perspectives in Indigenous Health III | 6 | **P** Perspectives in Indigenous Health II AHCD 2013 (07260). | 1, 2 |
| **AHCD 4034** | *07427* | Health Promotion of Indigenous Communities A | 6 | | 1, 2 |
| **AHCD 4035** | *07428* | Primary Health Care III | 6 | **P** Primary Health Care II AHCD 2015 (07262). | 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 | **P** Biological Sciences II BIOS 2090 (112E5). | 1, 2 |
| **BIOS 3051** | *113A4* | Biological Sciences IIIA | 6 | **P** Biological Sciences II BIOS 2090 (112E5). | 1 |
| ■ **Research stream** | | | | | |
| **AHCD 3016** | *07350* | Writing a Research Prosposal | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 2 |
| **AHCD 4007** | *07401* | Epidemiology | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1, 2 |
| **AHCD 4016** | *07410* | Participant Observation and Ethnography | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1, 2 |
| **AHCD 4018** | *07412* | Action Research | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1, 2 |
| **AHCD 4038** | *07431* | Quantitative Research Methods | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1, 2 |
| **AHCD 4039** | *07432* | Oral History | 6 | **P** Introduction to Health Research AHCD 2022 (07269). | 1, 2 |
| **BACH 4052** | *25451* | Social Research | 6 | | 1, 2 |

# ■ 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.

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<br>Students enrol in the following units of study either in Semester 1 or Semester 2. 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 | | 1, 2 |
| **AHCD 1007** | *07151* | Aboriginal Studies | 1 | | 1, 2 |
| **AHCD 1009**[1] | *07157* | Anatomy Support (A) | 4 | | 1, 2 |
| **AHCD 1010** | *07158* | Anatomy Support (B) | 2 | | 2 |
| **AHCD 1011** | *07159* | Biological Sciences Orientation | 2 | | 2 |
| **AHCD 1012** | *07160* | Biological Sciences Support (A) | 6 | | 1, 2 |
| **AHCD 1013** | *07161* | Biological Sciences Support (B) | 3 | | 1 |
| **AHCD 1014** | *07162* | Physics Support | 6 | | 1, 2 |

Table 15.3: Aboriginal Health Science Support Program (continued)

| Unit code | Old code | Unit name | CP | A: Assumed knowledge P: Prerequisite Q: Qualifier C: Corequisite N: Prohibition | Semester |
|---|---|---|---|---|---|
| **AHCD 1015** | *07163* | Research Methods Support (1) | 3 | | 2 |
| **AHCD 1016** | *07164* | Professional Studies Support (1A) | 2 | | 1, 2 |
| **AHCD 1017** | *07165* | Professional Studies Support (1B) | 4 | | 1, 2 |
| **AHCD 1018**[2] | *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 | | 1, 2 |
| **AHCD 1022** | *07170* | Mathematics Orientation | 1 | | 2 |
| **AHCD 1023** | *07171* | Mathematics Support (A) | 1 | | 1, 2 |
| **AHCD 1024** | *07172* | Mathematics Support (B) | 2 | | 1, 2 |
| **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 | | 1, 2 |
| **AHCD 2010** | *07257* | Research Methods Support (2A) | 3 | | 1, 2 |
| **AHCD 2011** | *07258* | Research Methods Support (2B) | 4 | | 1, 2 |

### Notes

1. Includes 2 credit points prior to start of academic year.
2. Includes 1 credit point prior to start of year.

## ■ 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.

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<br>Course code 0783: Full-time (block mode) | | | | | |
| **Semester 1** | | | | | |
| **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 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **AHCD 1064** | *07198* | Mathematics Workshop B | 4 | | 2 |
| **AHCD 1065** | *07199* | Academic Skills Workshop B | 4 | | 2 |
| **AHCD 1066** | *071A0* | Human Biology Workshop B | 4 | | 2 |
| **AHCD 1067** | *071A1* | Aboriginal Studies B | 4 | | 2 |
| **AHCD 1068** | *071A2* | Anatomy Workshop B | 4 | | 2 |
| **AHCD 1069** | *071A3* | Behavioural Science Workshop B | 4 | | 2 |
| Semester 2 total: 24 credit points | | | | | |

# ■ Units of study

### AHCD 1006 **Study Skills**

Old code 07149. 4 credit points. **Semester**: 1, 2.

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, 2.

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 them 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**: 1, 2.

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**: 1, 2.

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 (1A)**

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**: 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 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**: 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 1022 **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.

### AHCD 1023 **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**: 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 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 settings. 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. **Assessment**: In-class quizzes, case studies, oral presentation.
This unit of study will introduce the concept of Primary Health Care, which will provide the framework for theoretical and practical learning in the area of Indigenous health. Students wil explore a range of models of health care and overview the current state of Indigenous health in Australia. The unit of study provides students with the opportunity to develop knowledge and skills for the implementation of Primary Health Care in Indigenous health.

### AHCD 1031 **Community Development I**
Old code 07181. 6 credit points. F.Khavarpour. **Semester**: 2. **Classes**: Block mode.
The aim of this unit of study is to provide students with skills to understand Community Development and how to prepare documents such as Community Profiles to satisfy the needs of a particular community. The subject commences the process of capacity building within a community by investigating current tools used in the practice of community development.

### 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. Miranda Rose. **Semester**: 2. **Classes**: Block mode. **Assessment**: Assessment is based on participation in block mode classes, placement and submission of written work.
This compulsory unit aims to introduce students to definitions and models of professional practice as they relate to the diverse roles and responsibilities of indigenous health and community development practitioners. The subject comprises attendance at lectures during block and participation in a 70 hour supervised professional practice placement in a health organisation providing services to Indigenous communities. Participation in the professional practice placement provides students with the opportunity to observe and participate in the application of theory in practical settings. Ind addition it supports independent learning in the field and broadens students' knowledge and experience of professional settings by setting individual learning goals.

### 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 issues are examined, and the more common drugs, both legal and illegal will be considered.

Areas to be covered will include: tolerance, dependence, withdrawal, models of drug use/abuse, harm minimisation/ reduction, and prevention, intervention and treatment.

Assessment will include a field trip component.

**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 071A3. 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**: 1, 2.

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**: 1, 2.

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. **Prerequisite**: Perspecitves in Indigenous Health I AHCD 1028 (07177).

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. **Classes**: Block Mode. **Prerequisite**: Primary Health Care I AHCD 1030 (07180). **Assessment**: Written assignments, 1 problem-based tutorial activity.

This unit of study further explores the concept of Primary Health Care, through an examination of the Pillars of Primary Health Care; participation, intersectoral collaboration and Equity. Also included will be an introduction to the relevant governments policies related to Indigenous Australian health.

### AHCD 2016 **Community Development II**

Old code 07263. 6 credit points. F. Khavarpour. **Semester**: 1. **Classes**: Block mode. **Prerequisite**: Community Development I AHCD 1031 (07181).

This unit of study follows Community Profile, developed in Community Development I AHCD 1031 (07181). By prioritising community needs and using community development approach, the unit examines and develops Strategic Plan to address community's needs and prepares the students for work in the community. The principles of partnership particularly in the Indigenous communities and its implication in the development of the community's Strategic Plan will be also discussed.

### AHCD 2017 **Counselling Theory and Methods A**

Old code 07264. 6 credit points. **Semester**: 1. **Classes**: Block mode. **Prerequisite**: Introduction to Counselling Skills AHCD 1032 (07182). **Assessment**: Assignments, examination, attendance, and participation.

The aim of this unit is to focus on the development of a variety of counselling techniques and methods. This unit will assist students to develop a clear understanding of the counselling component of role in the Aboriginal health and community development workers

### AHCD 2020 **Professional Practice II**

Old code 07267. 6 credit points. Miranda Rose. **Semester**: 1. **Classes**: Block mode. **Prerequisite**: Professional Practice I AHCD 1035 (07185). **Assessment**: Assessment is based on participation in block work classes, a 2 week placement and submission of written work.

This compulsory unit aims to provide students with the opportunity to focus on their developing professional competencies as they relate to the diverse roles and responsibilities of Indigenous health & community development practitioners. The subject requires attendance at lectures during block and participation in a 70 hour supervised professional practice placement in a health organisation providing clinical or community development health services to Indigenous communities. Examples of organisations where students have completed placements include: hospitals, health outposts, Aboriginal Medical Services, community health services, and health promotion programs. Participation in the professional practice placement provides students with the opportunity to practice their skills and apply theoretical knowledge in a professional workplace setting with the guidance of an experienced supervisor.

### 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.

This 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.

**Practical**: Field trip assessment

### 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. Miranda Rose. **Semester**: 2. **Classes**: Block Mode. **Prerequisite**: Professional Practice II AHCD 2020 (07267). **Assessment**: Assessment is based on participation in Block work classes, a 2 week, placement and submission of written work.

This compulsory unit aims to provide students with the opportunity to extend and integrate their practical skills and theoretical knowledge as these relate to the roles and responsibilities of indigenous health & community development practitioners. There is increasing emphasis in this unit on the development of reflective learning skills and critical analysis of issues as they relate to indigenous health in its many contexts. The subject requires attendance at lectures during block and participation in a 70 hour supervised professional practice placement in an organisation providing health or community development services to indigenous communities.

### AHCD 3010 **Counselling for Grief and Loss**

Old code 07344. 6 credit points. Shane Merritt. **Semester**: 1, 2. **Classes**: Block mode. **Prerequisite**: Introduction to Counselling Skills AHCD 1032 (07182).

The aim of this subject is to focus on the essential skills and understanding needed for the development of effective counselling in the area of bereavement. Essential to this will be the fostering of an understanding of the unique past and present influences on Indigenous people, concerning grief and loss. Several theories, definitions and models of grief and loss will be considered. Factors that influence bereavement will also be discussed, as will cultural aspects of loss, such as the Stolen Generations, and transgenerational grief. Healing and spirituality will be a major part of this subject.

### AHCD 3015 **Indigenous Health Research**

Old code 07349. 6 credit points. **Semester**: 1. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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. Ms Miranda Rose. **Semester**: 2. **Classes**: Block mode. **Prerequisite**: Professional Practice III AHCD 3009 (07343). **Assessment**: Assessnment is based on participation in block mode classes, a 4 weeks placement and submission of written work.

The aim of this subject is to provide an opportunity for students to participate in a supervised placement for 140 hours in an organisation providing health and/or community development related services or programs to Indigenous communities. Participation in the placement will enable students to consolidate theoretical knowledge and practical skills as it applies to the role of indigenous health and community development practitioners. In addition students are asked to relate their knowledge and skills to one of 6 Stream Electives including:

- · Research
- · Counselling and Indigenous Mental Health
- · Indigenous Community Development and Management
- · Primary Health Care/Health Promotion
- · Addiction Studies
- · Indigenous Environmental Health & Housing

### AHCD 4007 **Epidemiology**

Old code 07401. 6 credit points. **Semester**: 1, 2. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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. **Prerequisite**: Perspectives in Indigenous Health III AHCD 4033 (07426).

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 **Family Therapy**

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. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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. F. Khavarpour. **Semester**: 1, 2. **Classes**: By Contract. **Prerequisite**: Community Development II AHCD 2016 (07263).

This unit of study explores the community development approach from a social justice, empowerment and political perspectives. By using various theories and models the concept of socio-economic structure, power relationship and social justice within the context of community development approach are discussed and analysed. How these concepts will influence community development approach and in particular in Indigenous settings will be additional topics discussed in this unit of study.

### AHCD 4018 **Action Research**

Old code 07412. 6 credit points. **Semester**: 1, 2. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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. F. Khavarpour. **Semester**: 1, 2. **Classes**: By Contract. **Prerequisite**: Community Development III AHCD 4017 (07411).

This unit of study, part of a series of health promotion series, aims to provide the student with an opportunity to put into practice the theoretical and conceptual skills they have acquired during their course of study. 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. F. Khavarpour. **Semester**: 2. **Classes**: Distance package.

The aim of this unit of study is to introduce the students to the global view of health promotion. What the role of Aboriginal health professional might in the initiation of a health promotion initiative are the other issues will be discussed. The steps necessary in building partnership with other members of the organisation and communities for health promotion activities will be also examined.

**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. F. Khavarpour. **Semester**: 1, 2. **Classes**: By Contract.

This unit of study advances students understanding of health promotion to a higher level. In this unit of study student will be first learn about models and theories used in the health promotion and then apply them to a health promotion imitative. How to evaluate a health promotion activity in both mainstream and Indigenous context is also discussed.

**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 4030 Issues in Indigenous Mental Health

Old code 07423. 6 credit points. **Semester**: 1, 2. **Classes**: Block mode. **Prerequisite**: Introduction to Counselling Skills AHCD 1032 (07182). **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. F. Khavarpour. **Semester**: 1, 2. **Classes**: Block mode (3x5 days).

This unit of study provides the students with an understanding of the meaning and concept of policy and policy development within the Australian political structure. Various models of policy development and in particular Australian Policy Development Model will be examined. Application of these models to a current policy will be also investigated.

*Textbooks*

Readings provided

### AHCD 4033 Perspectives in Indigenous Health III

Old code 07426. 6 credit points. **Semester**: 1, 2. **Prerequisite**: Perspectives in Indigenous Health II AHCD 2013 (07260). **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. F. Khavarpour. **Semester**: 1, 2. **Classes**: Distance Package.

This unit of study introduces students to the concept and meaning of health promotion and how it is distinguished and differed from health education. The unit ends up with a comparative study of a mainstream and Indigenous health promotion imitative.

**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. **Prerequisite**: Primary Health Care II AHCD 2015 (07262). **Assessment**: Written assignments, case studies, oral presentation.

This unit of study builds on the concepts of Primary Health Care explored in PHC 1 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. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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. **Prerequisite**: Introduction to Health Research AHCD 2022 (07269).

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 Counsellling

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 addiction 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. **Prerequisite**: Introduction to Counselling Skills AHCD 1032 (07182).

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. **Prerequisite**: Introduction to Counselling Skills AHCD 1032 (07182).

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 for Teaching 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 health 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. F. Khavarpour. **Semester**: 1, 2. **Classes**: By Contract. **Prerequisite**: Health Policy, Planning and Evaluation AHCD 4032 (07425).

This unit of study is an advance study of policymaking process. The aim of this unit of study is to critically analyse the ideological and philosophical issues underlying the policy development process. How social, economic, political and cultural issues will have impact on the outcome of these policies will be also examined.

*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 (3 x 5 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. **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.

### AHCD 4054 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. **Prerequisite**: Biological Sciences I BIOS 1076 (11184).

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. **Prerequisite**: Biological Sciences II BIOS 2090 (112E5).

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. **Prerequisite**: Biological Sciences II BIOS 2090 (112E5).

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** | | | | | |
| **Semester 1** | | | | | |
| **BACH 1131** | *251A3* | Foundations of Psychology for the Health Sciences | 3 | | 1 |
| **BACH 1138** | *251B0* | Health and Research Design: General | 3 | | 1 |
| **BACH 1154** | *251C1* | Introduction to Environmental Health & Safety | 4 | | 1 |
| **BHSC 1001** | *29101* | Cultural Dimensions of Health | 4 | | 1 |
| **BIOS 1124** | *111D2/ 111D2X* | 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 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BACH 1130** | *251A2* | Foundations of Health Sociology | 3 | | 2 |
| **BACH 1141** | *251B3* | Analysing Health Research: General | 3 | **A** Basic mathematics. | 1 |
| **BACH 1148** | *251C0* | Health, Attitudes and Interaction | 3 | **P** Foundations of Psychology for the Health Sciences or Introduction to Health Psychology. | 2 |
| **BACH 2127** | *252A2* | Health Policy and Service Delivery | 3 | **P** Foundations of Health Sociology or Introduction to Health Sociology. | 2 |
| **BIOS 1145** | *111F2* | Introduction to Toxicology | 4 | | 2 |
| **BHSC 1011** | *29105* | Current Issues in Health Care 1 | 4 | | 2 |
| **HIMT 1047** | *09147* | Australian Health Care Systems | 4 | *NB: Advanced standing (for off-campus students only).* | 2 |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 2** | | | | | |
| **Semester 1** | | | | | |
| **BIOS 2100** | *112F5* | Applied Body Systems 1 | 6 | **P** Human Biology and Biochemistry BIOS 1124 (111D2). | 1 |
| **HIMT 1051** | *09151* | Introduction to Management Principles | 6 | | 1 |
| Core electives[1] | | | 9 | | |
| General/core[1 2] | | | 3 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BHSC 2001** | *29201* | Ethical and Legal Aspects of Health Care | 6 | | 2 |
| **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 |

## 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 |
|---|---|---|---|---|---|
| Core electives[5] | | | 5 | | |
| General/core electives[1 2] | | | 3 | | |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 3 (first offered in 2004)** | | | | | |
| **Semester 1** | | | | | |
| **BHSC 3001** | *29301* | Project Design and Management | 6 | | 1 |
| **BHSC 3002** | *29302* | Current Issues in Health Care 2 | 3 | | 1 |
| **BIOS 3053** | *113A6* | Applied Body Systems 3 | 6 | **P** Human Biology and Biochemistry BIOS 1124 (111D2). | 1 |
| Core electives[1] | | | 6 | | |
| General/core electives[1 2] | | | 3 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| Core electives[1] | | | 20 | | |
| General/core electives[1 2] | | | 4 | | |
| Semester 2 total: 24 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)** | | | | | |
| **Semester 1** | | | | | |
| **BHSC 3001** | *29301* | Project Design and Management | 6 | | 1 |
| **BHSC 3002** | *29302* | Current Issues in Health Care 2 | 3 | | 1 |
| **BIOS 3053** | *113A6* | Applied Body Systems 3 | 6 | **P** Human Biology and Biochemistry BIOS 1124 (111D2). | 1 |
| Core electives[1] | | | 6 | | |
| General/core electives[1 2] | | | 3 | | |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BHSC 3003** | *29303* | Honours Research Proposal | 4 | | 2 |
| Core electives[1] | | | 16 | | |
| General/core electives[1 2] | | | 4 | | |
| Semester 2 total: 24 credit points | | | | | |
| **■ Year 4 (first offered in 2005)** | | | | | |
| **Semester 1** | | | | | |
| **BHSC 4001** | *29401* | Honours Research Seminar 1 | 3 | **P** Honours Research Proposal BHSC 3003 (29303). | 1 |
| **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 |
| Semester 1 total: 24 credit points | | | | | |
| **Semester 2** | | | | | |
| **BHSC 4002** | *29402* | Honours Research Seminar 2 | 3 | **P** Honours Research Proposal BHSC 3003 (29303). | 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 |
| Semester 2 total: 24 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.

## 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 |
|---|---|---|---|---|---|
| Core electives for Bachelor of Health Sciences | | | | | |
| **■ Ageing** | | | | | |
| **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 |
| **BACH 3085** | *25383* | Death and Dying | 3 | **P** Introduction to Health Sociology.<br>*NB: Not offered in 2004.* | 1 |
| **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 |
| **BACH 3098** | *25396* | Psychosocial Wellbeing in Older Adults | 3 | **A** Introduction to Health Sociology and Introduction to Health Psychology. | 1, 2 |
| **BIOS 4037** | *11491* | Applied Biology of Ageing | 1 | **C** Biology of Ageing BIOS 4036 (11490). | 1 |
| **BIOS 4039** | *11493* | Biological Aspects of Disease Management | 1 | **C** Health, Disease and Ageing BIOS 4038 (11492). | 2 |
| **■ 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.<br>*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).<br>**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).<br>**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).<br>**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).<br>**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).<br>**P** Introduction to Environmental Health and Safety BACH 1154 (251C1), Epidemiology HIMT 3032 (09333). | 1, 2 |
| **BHSC 3013** | *29313* | Fieldwork Practicum | 4 | | 1, 2 |
| **OCCP 4069** | *154D2* | Occ Rehab and Workers Compensation | 4 | | 1 |
| **■ Health Promotion** | | | | | |
| **BACH 3081** | *25379* | Sociology of Sport | 3 | **P** Foundations of Health Sociology or Introduction to Health Sociology.<br>**N** Psychosocial Aspect of Recreation and Sport BACH 1102 (25185). | 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 (for off-campus students only).* | 1 (on-campus), 2 (off-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.<br>*NB: Not offered to off-campus students in 2004.* | 1, 2 |
| **OCCP 3052** | *15395X* | 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.<br>**P** Health, Illness and Social Inquiry BACH 1134 (251A6). | 2 |
| **HIMT 3041** | *09342* | Human Resource Management | 3 | *NB: Student places are limited.* | 1 |
| **RMBU 1640** | | Marketing Practice | | | 1, 2 |
| **RMMN 1156** | | Management Information Systems | | *NB: Residential School: Supplementary, 18 July.* | 2 (off-campus) |

## 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 |
|---|---|---|---|---|---|
| **RMMN 2553** | | Managing Yourself and Others | | | 1, 2 |
| **RMMN 3651** | | Human Resource Management | | | 1 |
| **RMMN 3759** | | Leadership Issues | | **P** RMMN 2553 Managing Yourself and Others. | 2 (off-campus) |
| **■ 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 Epidemiology for Health Professionals | 3 | **A** Health and Research Design BACH 1138 (251B0) or equivalent.<br>**P** Epidemiology HIMT 3032 (09333). | 1 |
| **■ 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.<br>*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 |
| **BIOS 3056** | *113A9* | Principles of Toxicology 1 | 4 | **P** Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2). | 1, 2 |
| **BIOS 3057** | *113B0* | Principles of Toxicology 2 | 3 | **P** Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2). | 1, 2 |
| **BIOS 3058** | *113B1* | Principles of Toxicology 3 | 3 | **P** Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2). | 1, 2 |
| **BIOS 3059** | *113B2* | Principles of Toxicological Testing | 4 | **P** Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2), Epidemiology HIMT 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 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 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**: 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 1148 Health, Attitudes and Interaction

Old code 251C0. 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 settings 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**: Health, Illness and Social Inquiry BACH 1134 (251A6).

This unit provides an introduction to fundamental areas in the sociology and psychology of organisations. Students will develop an appreciation of organisational shapes and settings 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**: 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 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.

### 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 Epidemiology for Health Professionals

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 Bulent Turman. **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 an awareness of cultural issues into their daily understanding of health-related interactions.

### BHSC 1011 Current Issues in Health Care 1

Old code 29105. 4 credit points. Dr Elizabeth Hegedus. **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. Dr Ros Bohringer. **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.

### BHSC 3001 Project Design and Management

Old code 29301. 6 credit points. Dr Gary Lee. **Semester**: 1.

This unit of study examines the principles and factors involved in the design and management of services, programs, and projects. Students will develop skills in planning, developing, implementing and evaluating projects as well as be given an introduction to financial management.

### BHSC 3002 Current Issues in Health Care 2

Old code 29302. 3 credit points. Ms Meg Stuart. **Semester**: 1.

This unit introduces students to selected developments that are impacting, or are likely to impact, on the practice and management of health care in Australia. Because health care is driven by a multitude of forces, the scope of the developments studied is broad. Topics to be covered will be drawn from the basic sciences applicable to health care, and health care management. Examples of the topics under consideration include quality management in the manufacture of alternative health products, medical indemnity, the relationship between vaccination and disease, and psychoneuroimmunology. Because issues current in health care will change from year to year, students should consult with the unit of study coordinator to ascertain what will be covered in the unit in a particular year.Material will be presented in lectures, with use of self-directed learning and individual or group projects. The unit integrates units of study completed earlier in the program, thus enabling students to apply their knowledge while developing the skills needed to analyse, understand and anticipate future directions in health care.

### BHSC 3003 Honours Research Proposal

Old code 29303. 4 credit points. **Semester**: 2.

This unit is designed to assist Honours students with the development of their individual research project for completion in Year 4. At the completion of this unit of study the student will have prepared a written proposal for a research project, and a student grant application and ethics application if appropriate. The development of the proposal and applications are undertaken in collaboration with an academic supervisor.

This unit is compulsory for students who have been accepted into the Honours program.

### 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 3010 **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 1138 (111E5). **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 3013 **Fieldwork Practicum**

Old code 29313. 4 credit points. **Semester**: 1, 2.

In this unit, students will undertake a three week workplace attachment during the inter-semester break assessing health issues. The focus of the workplace attachment will depend on the student's (preliminary) core elective academic stream including environmental and occupational health or toxicology or health promotion. Students will develop, prior to the attachment, an approved learning contract that specifies the learning goals, strategies and outcomes expected from the attachment. Identification and organisation of the workplace attachment is the responsibility of the student who must ensure all ethical and legal requirement for the workplace are satisfied before they commence. Students will meet during semester to discuss their fieldwork experiences. Students will submit a detailed report of the workplace attachment, analysing the experience and learning outcomes. This unit is only available in the third year (full-time equivalent) of the program and subject to the approval of the Course Coordinator.

### BIOS 1124 **Human Biology and Biochemistry**

Old code 111D2/111D2X. 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: 42 hours, online 3 hours. **Assessment**: Mid-Semester exam (20%), End Semester practical exam (40%) and End Semester exam (40%).

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. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. 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 1138 **Functional Anatomy B**

Old code 111E5. 3 credit points. Ms Catherine Willis. **Semester**: 1. **Classes**: On campus 30 hours. **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 1145 **Introduction to Toxicology**

Old code 111F2. 4 credit points. Dr Patricia Woodman. **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.

### 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 test (x2): 8% and 10%; written assignments (x2) 16%, 16%; End semester exam: 50%.

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. Ms Dana Strain. **Semester**: 2. **Prerequisite**: Human Biology and Biochemistry BIOS 1124 (111D2). **Assessment**: Mid semester exam: 20% End semester exam: 47% Short essay: 33%.

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 preventing 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. The principle underlying tumour formation will also be studied. 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 mandatory.

### BIOS 3053 Applied Body Systems 3

Old code 113A6. 6 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 3056 Principles of Toxicology 1

Old code 113A9. 4 credit points. **Semester**: 1, 2. **Prerequisite**: Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2).

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.

### BIOS 3057 Principles of Toxicology 2

Old code 113B0. 3 credit points. **Semester**: 1, 2. **Prerequisite**: Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2).

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.

### BIOS 3058 Principles of Toxicology 3

Old code 113B1. 3 credit points. **Semester**: 1, 2. **Prerequisite**: Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2).

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.

### BIOS 3059 Principles of Toxicological Testing

Old code 113B2. 4 credit points. **Semester**: 1, 2. **Prerequisite**: Introduction to Toxicology BHSC 1003 (29103) or BIOS 1145 (111F2), 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 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 attitudes 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. 1 credit point. 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. 1 credit point. 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 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.

### HIMT 1047 **Australian Health Care Systems**

Old code 09147. 4 credit points. Ms Aditi Dey (02) 9351 9058. **Semester**: 2. **Classes**: On-campus attendance, day classes. **Assessment**: Continuous assessment/examination.

*NB: Advanced standing (for off-campus students only)*

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 tool, the Health Care Game, is used in the delivery and assessment of this unit.

### HIMT 1051 **Introduction to Management Principles**

Old code 09151. 6 credit points. Ms Joanne Callen (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance, day classes. **Assessment**: Assignment, presentation, report, examinations.

This unit introduces students to the principles of management and develops their skills in management in health care settings. Topics include an introduction to management and what managers do; building effective teams; organising work; the influence of organisational culture; change management; planning; leadership and managerial ethics. Students will also develop an understanding of the structure and functions of organisations ranging from small businesses to government agencies and multinational corporations. The roles and responsibilities of officers at all levels will be examined, as will the chains of responsibility and decision-making processes. The relevant legislation will be explained with a particular focus on its effects on corporate governance. A key objective of this unit is to enable the students to develop practical management skills to enable them to perform effectively in businesses of all sizes. A case study method is used to support this.

### HIMT 3032 **Epidemiology**

Old code 09333. 4 credit points. Ms Margaret Williamson (02) 9351 9493. **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.

### HIMT 3041 **Human Resource Management**

Old code 09342. 3 credit points. Joanne Callen/Linda Ernst (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance 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 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 (on-campus), 2 (off-campus). **Classes**: On campus 3 hours/week. **Assessment**: Assignments.

*NB: Advanced standing (for off-campus students 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. Ms Michelle Donelly. **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. 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%).

*NB: Not offered to off-campus students in 2004.*

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 15395X. 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 4069 **Occ Rehab and Workers Compensation**
Old code 154D2. 4 credit points. Dr Ev Innes and Dr Kate O'Loughlin. **Semester**: 1. **Classes**: Weekly. **Assessment**: Report and presentation.
This unit focuses on the legislation and policies related to Occupational Health and Safety and Workers Compensation in NSW. The legislative requirements provide a framework for understanding the responsibilities and entitlements of employers and employees in the areas of workplace safety, injury prevention, workers compensation and injury management. Factors associated with the planning, implementation and evaluation of workplace programs will be examined and applied. The unit is taught from a practical perspective, involving the use of case studies.

### RMBU 1640 **Marketing Practice**
Old code (n/a). **Semester**: 1, 2.
Students learn to adopt a marketing approach as a framework for business planning. The unit provides a working knowledge of marketing principles and an appreciation of how the markets are constantly challenged to create and sustain superior products and services to meet the needs of customers. The first module enables students to identify the key principles used to create superior products and services for target customer groups. In the second module students learn to translate marketing ideas into commercial success. The third module deals with the adjustment or deletion of products or services as changes are anticipated or occur in the marketplace.

### RMMN 1156 **Management Information Systems**
Old code (n/a). **Semester**: 2 (off-campus).
*NB: Residential School: Supplementary, 18 July*
This unit provides an introduction to the key role of information in the management process. It comprises three modules which focus on business information needs, the tools of information management, and the practical development of a simple management information system in the form of a case study. This unit integrates theoretical and applied aspects of information management and sets out to provide a useful 'hands-on' introduction to computer applications and library systems for the commencing student.

### RMMN 2553 **Managing Yourself and Others**
Old code (n/a). **Semester**: 1, 2.
Managing Yourself and Others is designed to develop your competencies in managing yourself and working with other people. The first module deals with self awareness, self management and self development. The second module introduces interpersonal skills critical to effective communication such as good listening, assertiveness and conflict resolution. The third module covers group effectiveness and group facilitation.

### RMMN 3651 **Human Resource Management**
Old code (n/a). **Semester**: 1.
This unit provides students with an opportunity to develop a critical understanding of management, thinking and practice about human resource management. Throughout the unit students will be encouraged to develop an operational and strategic management focus on human resources in relation to local (small/medium sized), national and international enterprises. While taking an international perspective, a particular focus is on the Asia-Pacific region and towards using HRM to create value and a competitive advantage. The unit is designed to be academically stimulating and challenging with examples from real world contexts so as to benefit the student who is planning an Australian or international career in business, government or university research.

### RMMN 3759 **Leadership Issues**
Old code (n/a). **Semester**: 2 (off-campus). **Prerequisite**: RMMN 2553 Managing Yourself and Others.
This unit focuses students on a number of current issues facing leadership. There is an emphasis on the ambiguities and paradoxes which create complexity for leaders. Students will develop skill in researching and evaluating leadership praxis, and in critically reflecting on specific leadership issues such as change, the learning organisation, power, gender, culture, business ethics, and the responsibility of leaders to the wider community. Students will be expected to develop their own position on leadership through synthesis and critical reflection, and support their views.

# 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** | | | | | |
| **Semester 1** | | | | | |
| **SING 4038** | *20438* | Health Care Ethics | 3 | | 1 |
| **SING 4039** | *20439* | Legal Perspectives and Health Care | 3 | | 1 |
| **SING 4048** | *20448* | Nursing Knowledge and Health Care in Singapore | 6 | | 1 |
| **Semester 2** | | | | | |
| **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 |
| Year 1 total: 24 credit points | | | | | |
| **■ Year 2** | | | | | |
| **Semester 1** | | | | | |
| **SING 4044** | *20444* | Research Methods I | 3 | | 1 |
| **SING 4045** | *20445* | Research Methods II | 3 | | 1 |
| **SING 4049** | *20449* | Advanced Clinical Studies I | 6 | | 1 |
| **Semester 2** | | | | | |
| **SING 4046** | *20446* | Sociology of Work and Organisations | 3 | | 2 |
| **SING 4047** | *20447* | Sociology of Patient-practitioner Relations | 3 | | 2 |
| **SING 4050** | *20450* | Advanced Clinical Studies II | 6 | | 2 |
| Year 2 total: 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** | | | | | |
| **Semester 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 |
| **Semester 2** | | | | | |
| **SING 4062** | *20462* | Health Care Ethics | 3 | | 2 |
| **SING 4063** | *20463* | Legal Perspectives and Health Care | 3 | | 2 |
| **SING 4072** | *20472* | Nursing Knowledge and Health Care in Singapore | 6 | | 2 |
| Year 1 total: 24 credit points | | | | | |
| **■ Year 2** | | | | | |
| **Semester 1** | | | | | |
| **SING 4070** | *20470* | Sociology of Work and Organisations | 3 | | 1 |
| **SING 4071** | *20471* | Sociology of Patient-practitioner Relations | 3 | | 1 |
| **SING 4074** | *20474* | Advanced Clinical Studies II | 6 | | 1 |
| **Semester 2** | | | | | |
| **SING 4068** | *20468* | Research Methods I | 3 | | 2 |
| **SING 4069** | *20469* | Research Methods II | 3 | | 2 |
| **SING 4073** | *20473* | Advanced Clinical Studies I | 6 | | 2 |
| Year 2 total: 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** | | | | | |
| **Semester 1 Electives** | | | | | |
| 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 |
| **Semester 2** | | | | | |
| **SING 4051** | *20451* | Evaluation in Physiotherapy | 3 | | 2 |
| **SING 4052** | *20452* | Topics in Physiotherapy Management | 3 | | 2 |
| **SING 4053** | *20453* | Advanced Physiotherapy Studies | 6 | | 2 |
| Year 1 total: 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, minimum 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** | | | | | |
| **Semester 1** | | | | | |
| **SING 4056** | *20456* | Cognitive and Perceptual Components of OT | 3 | | 1 |
| **SING 4057** | *20457* | Advanced Communication Techniques in Occupational Therapy | 3 | | 1 |
| Electives | | | | | |
| **Semester 2** | | | | | |
| **SING 4054** | *20454* | Community Based Programs Development | 3 | | 2 |
| **SING 4055** | *20455* | Managing Occupational Therapy Services | 3 | | 2 |
| Electives | | | | | |
| **Elective units of study** | | | | | |
| Students must select four elective units of study. Availability is subject to enrolments and timetabling constraints. | | | | | |
| **Semester 1** | | | | | |
| **SING 4038** | *20438* | Health Care Ethics | 3 | | 1 |
| **SING 4039** | *20439* | Legal Perspectives and Health Care | 3 | | 1 |
| **Semester 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 4046** | *20446* | Sociology of Work and Organisations | 3 | | 2 |

# ■ 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** | | | | | |
| **Semester 1** | | | | | |
| **SING 4061** | *20461* | The Quality Perspective Applied to Medical Radiation Technology | 3 | | 1 |
| **SING 4075** | *20475* | Integrated Diagnosis and Treatment | 3 | | 1 |
| Electives | | | 6 | | |
| **Semester 2** | | | | | |
| **SING 4059** | *20459* | Computer Communication in Medical Radiation Technology | 3 | | 2 |
| **SING 4076** | *20476* | Radiographic Interpretation of Pathology | 3 | *NB: Diagnostic students only.* | 2 |

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 4077** | *20477* | Applications of Medical Imaging in Radiation Therapy | 3 | *NB: Radiation Therapy students only.* | 2 |
| Electives | | | 6 | | |
| ■ **Elective units of study** | | | | | |
| Students must select four elective units of study. Availability is subject to enrolments and timetabling constraints. | | | | | |
| **Semester 1** | | | | | |
| **SING 4038** | *20438* | Health Care Ethics | 3 | | 1 |
| **SING 4039** | *20439* | Legal Perspectives and Health Care | 3 | | 1 |
| **SING 4044** | *20444* | Research Methods I | 3 | | 1 |
| **SING 4045** | *20445* | Research Methods II | 3 | | 1 |
| **Semester 2** | | | | | |
| **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 4046** | *20446* | Sociology of Work and Organisations | 3 | | 2 |
| **SING 4047** | *20447* | Sociology of Patient-practitioner Relations | 3 | | 2 |
| Year 1 total: 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: www2.fhs.usyd.edu.au/mrs/student/undergrad/UGInf–1.htm.

## 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<br>Course code 1831 [R]: Pass degree; full-time, 1 year | | | | | |
| ■ **Common units** | | | | | |
| **Semester 1** | | | | | |
| **BACH 3068** | *25366* | Behavioural Science IIIA | 5 | | 1 |
| **MRTY 2037** | *18237* | Radiation Protection | 1 | | 1 |
| **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 |
| **Semester 2** | | | | | |
| **BACH 3069** | *25367* | Behavioural Science IIIB | 5 | | 2 |
| **MRTY 2038** | *18238* | Radiation Biology | 1 | | 2 |
| **MRTY 3058** | *18358* | Field Project B | 11 | | 2 |
| Common units total: 30 credit points | | | | | |

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 |
|---|---|---|---|---|---|
| **■ Diagnostic Radiography** | | | | | |
| **Semester 1** | | | | | |
| **MRTY 3033** | *18333* | Contrast Media | 2 | **P** (except Singapore courses) Introductory Human Biology BIOS 1084 (11193).<br>**C** Radiography IIA MRTY 3043 (18343), Clinical Education IIIA MRTY 3035 (18335). | 1 |
| **MRTY 3041** | *18341* | Imaging IIA | 4 | **P** (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).<br>**C** (except Singapore courses) Image Processing A MRTY 3037 (18337). | 1 |
| **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).<br>**C** (except Singapore courses) Clinical Education IIIA MRTY 3035 (18335). | 1 |
| **Semester 2** | | | | | |
| **MRTY 3032** | *18332* | Radiographic Pathology II | 2 | **P** (except Singapore courses) Radiographic Pathology IB MRTY 2046 (18246). | 2 |
| **MRTY 3039** | *18339* | Sonography A | 2 | | 2 |
| **MRTY 3040** | *18340* | Sonography B | 2 | | 2 |
| **MRTY 3042** | *18342* | Imaging IIB | 2 | **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).<br>**C** (except Singapore courses) Image Processing B MRTY 3038 (18338). | 2 |
| **MRTY 3044** | *18344* | Radiography IIB | 2 | **P** (except Singapore courses) Radiography IA MRTY 2043 (18243), Radiography 1B MRTY 2044 (18244), Clinical Education IIA MRTY 2034 (18234).<br>**C** (except Singapore courses) Clinical Education IIIA MRTY 3035 (18335). | 2 |
| Diagnostic Radiography total: 20 credit points | | | | | |
| **■ Radiation Therapy** | | | | | |
| **Full Year units of study** | | | | | |
| **MRTY 3034** | *18334* | Radiation Therapy Project | 2 | **P** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253), Clinical Education IIC MRTY 2034 (18234).<br>**C** Behavioural Science IIIA BEHS 3073 (103C6).<br>*NB: This unit is offered in Semester 1 and 2 and has a value of 4 credit points for Singapore conversion courses.* | Full year |
| **Semester 1** | | | | | |
| **MRTY 3049** | *18349* | Radiation Therapy IIA | 5 | **P** (except Singapore courses) Radiation Therapy 1A MRTY 2053 (18253), Radiotherapy Physics IB MRTY 2056 (18256).<br>**C** (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330). | 1 |
| **MRTY 3051** | *18351* | Radiotherapy Physics IIA | 2 | **P** (except Singapore courses) Radiotherapy Physics IB MRTY 2054 (18254). | 1 |
| **MRTY 3053** | *18353* | Principles of Oncology A | 2 | **P** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6). | 1 |
| **Semester 2** | | | | | |
| **MRTY 3050** | *18350* | Radiation Therapy IIB | 3 | **P** (except Singapore courses) Radiation Therapy IA MRTY 2053 (18253).<br>**C** (except Singapore courses) Clinical Education IIIC MRTY 3030 (18330). | 2 |
| **MRTY 3052** | *18352* | Radiotherapy Physics IIB | 2 | **P** (except Singapore courses) Radiotherapy Physics IIA MRTY 3051 (18351). | 2 |
| **MRTY 3054** | *18354* | Principles of Oncology B | 2 | **P** (except Singapore courses) Tumour Pathology B BIOS 2081 (112D6). | 2 |
| Radiation Therapy total: 18 credit points | | | | | |

# ■ 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 setting. 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** | | | | | |
| Students choose three professional electives of 8 credits points each from the following alternatives: | | | | | |
| **OCCP 4055** | *154B8* | Adolescent and Family Mental Health | 8 | | 1 |
| **OCCP 4056** | *154B9* | OT for Children with Learning & 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 |
| **OCCP 4065** | *154C8* | Supporting families and Protecting Children | 8 | | 1 |
| **OCCP 4066** | *154C9* | The Use of Creative Arts in Occupational Therapy | 8 | | 1 |
| **OCCP 4067** | *154D0* | Assessing Cognitive Impairments in Adults & Children | 8 | | 1 |
| **OCCP 4068** | *154D1* | OT in Occupational Health, Safety & Rehabilitation | 8 | **P** Human Occupations III OCCP 3030 (15379). | 1 |
| NB: The period of study commences five weeks prior to Semester 1 for a Study Preparation Program. | | | | | |
| 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 attitudes 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 five 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 2004 the period is Monday 19 January to Friday 3 September. | | | | | |
| **Full Year units of study** | | | | | |
| **PHTY 4068** | *164G9* | Evidence-Based Practice | 3 | **P** (except Singapore courses) Research Methods I: Design BACH 1026 (2511F), 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 |
| **Semester 1** | | | | | |
| **PHTY 4066** | *164G7* | Clinical Education IVA | 9 | **P** (except Singapore courses) Clinical Education III PHTY 3049 (16347). 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). *NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4066 Clinical Education IVA.* | 1 |
| **PHTY 4067** | *164G8* | Clinical Education IVB | 9 | **P** (except Singapore courses) Clinical Education III PHTY 3049 (16347), 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). *NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4067 Clinical Education IVB.* | 1 |
| **Semester 2** | | | | | |
| **PHTY 4071** | *164H2* | Advanced Manipulation Skills | 1 | **P** (except Singapore courses) Musculoskeletal Physiotherapy III PHTY 3046 (16344). | 2 |
| **PHTY 4072** | *164H3* | Neurological Physiotherapy II | 1 | **P** (except Singapore courses) Neurological Physiotherapy I PHTY 3037 (16338). | 2 |
| 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 settings. 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**

Old 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. **Semester**: 2.

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.

### MRTY 3044 **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 Learning & 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 (1)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 attitudes. 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 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. 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 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, Dr 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, C.Hobbs@fhs.usyd.edu.au. **Semester**: 1. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: (except Singapore courses) Clinical Education III PHTY 3049 (16347). 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).

*NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4066 Clinical Education IVA*

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 4067 Clinical Education IVB

Old code 164G8. 9 credit points. Ms Angela Stark. **Semester**: 1. **Classes**: 175 hours off-campus plus occasional on-campus classes. **Prerequisite**: (except Singapore courses) Clinical Education III PHTY 3049 (16347), 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).

*NB: Students who are enrolled in a 3rd year unit of study that is 1st semester or full year are not eligible to enrol in PHTY 4067 Clinical Education IVB*

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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### 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 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 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 3046 (16344).

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 Barré 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 setting, 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 settings. 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 OT

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 efficiently 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 setting, 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 settings. 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 | T326 | (02) 9351 9250 |
| BACH | School of Behavioural and Community Health Sciences | G101 | (02) 9351 9228 |
| BIOS | School of Biomedical Sciences | S202 | (02) 9351 9455 |
| CSCD | School of Communication Sciences and Disorders | S101 | (02) 9351 9450 |
| EXSS | School of Exercise and Sport Science | K213 | (02) 9351 9612 |
| HIMT | School of Health Information Management | T301 | (02) 9351 9494 |
| MRTY | School of Medical Radiation Sciences | M201 | (02) 9351 9640 |
| OCCP | School of Occupation and Leisure Sciences | J101 | (02) 9351 9386 |
| PHTY | School of Physiotherapy | O100 | (02) 9351 9273 |
| AHCD | Yooroang Garang: School of Indigenous Health Studies | T409 | (02) 9351 9497 |

## ■ 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.fhs.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 (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 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 Epidemiology for Health Professionals**
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



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 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 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**: Field work

*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 setting.
**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.

### BACH 3118 Social Dimensions of Biotechnology

Old code 253E1. 3 credit points. **Semester**: 1. **Classes**: On campus lectures and seminars. **Prerequisite**: Health, Illness & Social Inquiry' or 'Foundations of Health Sociology or Introduction to Health Sociology' or 'Health & Social Theory. **Assessment**: Weekly Journal (50%) ane essay (50% due Week 13).

This unit examines the social dimension of biotechnology and its role in medicine and health. It focuses on the promises and limitations of biotechnology, the ethical implications, and its representation in the media; genetic determinism in the social context, and the reconstitution of social and individual identities through biotechnology. Students will be introduced to various social issues surrounding cutting edge technologies including the human genome project, gene therapy, stem cell research, cloning, xenotransplantations, reproductive technologies, presymptomatic, predictive, and diagnostic DNA tests; population screenings; preimplantation diagnosis; and forensic DNA fingerprinting.

### BIOS 3060 Clinical Neuroscience

Old code 113B3. 3 credit points. Dr Ros Bohringer, Dr John Burne and Dr Bulent Turman. **Semester**: 2. **Assumed knowledge**: The unit will assume some basic knowledge of the organization of the nervous system and cellular structure and function. **Assessment**: The core knowledge area will be assessed by a 1 hour written examination and the supporting case studies by a 1500 word assignment.

*NB: This elective is offered to students in years 3 or 4 of their course.*

The core content will include the functional anatomy of the brain and spinal cord, development of the brain, blood supply to the brain, functional overview of the brain and spinal cord – including major sensory and motor pathways, subcortical and cortical sensory/motor functional areas, integrative functions of the cerebral cortex, sensory and motor consequences of lesions within the brain and spinal cord, routes for delivery and absorption of drugs and labeling substances in the brain, the synapse and principles of central pharmacology.

The mode of delivery will include lectures and practical sessions in anatomy. In addition, the unit will be supported by case studies containing clinical problems, learning materials and assessment tasks relevant to the different professional groups in the faculty. Students will select from the following case studies:

1) Cerebrovascular accident (stroke)
2) Demyelination (MS),
3) Neurodegeneration (Parkinson's disease and dementia),
4) Neoplasia (Tumour)

**Practical**: Anatomy practical sessions.
*Textbooks*
A reading list will be provided.

### 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 attitudes 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 limitations 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. 1 credit point. 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. 1 credit point. 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. Ms Meg Stuart. **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 Patricia Woodman. **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**: BIOS 1126 (111D3) Human Biology and Biochemistry or equivalent, BIOS 1124 (111D2) or equivalent, BIOS 1130 (111D7) Molecules and Energy 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 Patricia Woodman. **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**: BIOS 1126 (111D3) Human Biology and Biochemistry or equivalent, BIOS 1124 (111D2) or equivalent, BIOS 1130 (111D7) Molecules and Energy 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 4046 Clinical Physics

Old code 114A1. 3 credit points. Dr Gil Vella. **Semester**: 2. **Prerequisite**: Introductory Radiation Physics 1A (BIOS119) and 1B (BIOS 1120) or equivalent. **Assessment**: Assignment 1 (1500 words) on lifting (40%). Assignment 2 (2000 words) on either bioelectric signals or bioeffects (60%).

*NB: This Faculty elective, which is available to all students, is principally taken by MRS students. Only offered to students in years 3 or 4 of their course.*

This unit examines three aspects of physics used in clinical situations. The first part covers the biomechanics of lifting patients. The second part looks at the bio-electrical signals from the body, such as an emg or an ecg; how they are generated, measured and used in gating CT scans. The final part examines the biological effects of non-ionising radiation such as ultrasound, magnetic and radiofrequency fields in MRI machines and lasers.

**Practical**: Two experiments; one using a jib crane to illustrate the forces exerted on the back when lifting and the second on the types of amplifiers used in bio-instrumentation and the methods of minimising electrical noise.

*Textbooks*

No textbook, but extensive notes will be provided, together with a reference list.

### 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

### EXSS 1005 **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.

### 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. Ms Michelle Bramley (02) 9351 9451. **Semester**: 1. **Classes**: On-campus attendance, day classes. **Assessment**: Assignment 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. Ms Margaret Williamson (02) 9351 9493. **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.

### HIMT 3041 **Human Resource Management**

Old code 09342. 3 credit points. Joanne Callen/Linda Ernst (02) 9351 9558. **Semester**: 1. **Classes**: On-campus attendance 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.

### 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 Postgraduate studies

The Faculty offers a wide range of postgraduate programs and students may choose either a research or a coursework pathway. The following listings outline our postgraduate programs at certificate, diploma, master's and doctorate levels. Information in this chapter should be read in conjunction with the Senate Resolutions in The University of Sydney Calendar and the University Postgraduate Research/Coursework Studies Handbooks.

**Doctor of Philosophy (generic award)**
- Australian Stuttering Research Centre
- Behavioural and Community Health Sciences
- Biomedical Sciences
- Communication Sciences and Disorders
- Exercise and Sport Science
- Health Information Management
- Indigenous Health Studies
- Medical Radiation Sciences
- Occupational Therapy
- Orthoptics
- Physiotherapy
- Rehabilitation Research

**Doctor of Health Science (generic award)**

**Master of Applied Science (generic award)**
- Australian Stuttering Research Centre
- Master of Applied Science

**Cross-college coursework degrees**
- Graduate Certificate/Master of Health Science (Developmental Disability)

**School of Applied Vision Sciences**
- Graduate Certificate/Graduate Diploma of Health Science (Vision Impairment) – *Not offered in 2004*
- Master of Orthoptics
- Master of Applied Science (Orthoptics)

**School of Behavioural Health Sciences**
- Graduate Certificate/Master of Health Science (Behavioural Science)
- Master of Applied Science (Behavioural Science)
- Graduate Certificate/Master of Health Science (Child and Adolescent Health)
- Graduate Certificate/Graduate Diploma/Master of Health Science (Education)
- Master of Applied Science (Education)
- Master of Health Science (Gerontology)
- Master of Applied Science (Gerontology)
- Graduate Diploma/Master of Rehabilitation Counselling
- Master of Applied Science (Rehabilitation Counselling)

**School of Biomedical Sciences**
- Graduate Certificate/Graduate Diploma/Master of Health Science (Sexual Health)
- Master of Applied Science (Biomedical Sciences)

**School of Communication Sciences and Disorders**
- Master of Health Science (Speech-Language Pathology)
- Master of Communication Disorders
- Master of Applied Science (Communication Sciences and Disorders)

**School of Exercise and Sport Science**
- Graduate Certificate/Graduate Diploma/Master of Health Science (Exercise and Sport Science)
- Master of Applied Science (Exercise and Sport Science)

**School of Health Information Management**
- Graduate Certificate of Health Science (Casemix) – *Not offered in 2004*
- Graduate Certificate/Master of Health Science (Clinical Data Management)
- Master of Health Science (Health Informatics)
- Master of Health Information Management
- Master of Applied Science (Health Information Management)

**School of Medical Radiation Sciences**
- Graduate Certificate/Graduate Diploma/Master of Health Science (Medical Radiation Sciences)
- Graduate Certificate/Graduate Diploma/Master of Health Science (Medical Sonography)
- Master of Applied Science (Medical Radiation Sciences)

**School of Occupation and Leisure Sciences**
- Graduate Certificate/Master of Health Science (Occupational Therapy)
- Master of Occupational Therapy
- Master of Applied Science (Occupational Therapy)

**School of Physiotherapy**
- Master of Physiotherapy
- Master of Health Science (Cardiopulmonary Physiotherapy)
- Master of Health Science (Manipulative Physiotherapy)
- Master of Health Science (Neurological Physiotherapy)
- Master of Health Science (Paediatric Physiotherapy)
- Master of Health Science (Physiotherapy)
- Master of Health Science (Sports Physiotherapy)
- Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)
- Master of Applied Science (Physiotherapy)

**Yooroang Garang: School of Indigenous Health Studies**
- Graduate Certificate/Graduate Diploma/Master of Health Science (Indigenous Community Health)
- Master of Applied Science (Indigenous Community Health)

## ■ Doctor of Philosophy (PhD)

The PhD is designed to provide graduates with the opportunity to undertake in-depth study in a specialised area. It is a research degree that, for most students, has a minimum period of candidature of three years. The PhD degree is important for academic appointments and research appointments in government and industrial research and development organizations.

PhD students are expected to work individually and under the direction of their primary supervisor and one or more associate supervisors on advanced study and research in one of the research areas offered by their School. Some coursework may be required, but in no case is it a major component. The PhD has two intents. One is to prepare a substantial piece of work that represents a significant contribution to the particular field of study, while the other is to train candidates in the general area of research methodology, equipping them with skills which will serve them in any area of research.

The minimum admission requirement to the PhD is a master's degree, or a bachelor's degree with first or second class honours, from The University of Sydney, or equivalent qualification. Alternatively, you may be admitted having passed a qualifying examination at an equivalent standard. This could be the completion of a period of relevant advanced study and research towards a master's degree at the University of Sydney.

The proposed course of advanced study and research must receive approval from the appropriate Head of School, who also certifies that appropriate supervisors and resources are available. In most instances, a period of probationary candidature of two semesters is required.

The Faculty of Health Sciences is able to offer supervision across a broad range of research topics. Each School lists its areas of research expertise on School Web sites. To access this information visit the Faculty of Health Sciences Web site,

www.fhs.usyd.edu.au and follow the links to the School of your choice.

# ■ Doctor of Health Science (HScD)

This professional doctorate program is the Faculty of Health Sciences' latest contribution to meeting the educational needs of today's health professionals. The professional doctorate brings together opportunities to extend professional knowledge and practice and to carry relevant research in health professional settings.

The Faculty of Health Sciences at The University of Sydney has for many years had a strong national and international reputation for its higher degrees and research programs. Its concern to improve practice at all levels and segments of the health care system on the basis of rigorous research and scholarship has attracted students from all over the world. Many of its graduates now hold very senior positions throughout Australia and overseas. The Doctor of Health Science program represents an important development of this tradition.

### Program aims and conceptual framework

The professional doctorate is designed to provide specific professional development for health professionals who wish to acquire the knowledge and skills required to assume leadership roles as health professional practitioners, for example as program planners, clinical managers, and/or educators. It will support the development of a high standard of relevant academic and clinical skills in health professionals through an emphasis on systematic and scientific investigation to interpret theory and research, critique current methods and intervention, and translate these findings into a form which can direct present and future practice.

The professional doctorate will allow students to pursue high level rigorous scholarship directed towards advanced professional practice. Current health practice requires health professionals to be more responsive to health systems issues, to be more focused on efficacy of clinical interventions, and to be more flexible in the ways services are provided. These changes require the leadership of the health professions to develop sophisticated intellectual and practical skills that have not, until recently, been in high demand. For example, they must become skilled in the evaluation of professional practice and achievement of outcomes at individual and population levels, and to develop new ways of organising the delivery of care to clients in organisations with diminishing resources. The professional doctorate will provide a path for experienced clinicians in the health related areas to further develop their expertise and increase their research in workplace settings.

### Course design

The program is designed to be the equivalent of three years full time study and will consist of one third coursework and two thirds thesis. The coursework component of the degree will assist students to develop their expertise over a broader area than is possible with a single thesis topic.

Students will be able to specialise in any of the profession-specific areas within the Faculty, although not all areas will be available for any one intake. An outline of the course is given in Table 19.1.

Table 19.1: Doctor of Health Science

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2601: full-time, minimum 3 years, maximum 4 years<br>Course code 2602: part-time, minimum 6 years, maximum 8 years<br>Course code 2603: off-campus, part-time, minimum 6 years, maximum 8 years<br>Course code 2604: off-campus, full-time, minimum 3 years, maximum 4 years<br>Award total: 144 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **DHSC 7001** | *26701* | Theory in the Health Professions | 6 |
| **DHSC 7002** | *26702* | Research and Inquiry in the Health Professions | 6 |
| **DHSC 7003** | *26703* | Foundations for Doctoral Studies | 6 |
| 5 Electives (1 in Semester 1, 4 in Semester 2; 6 credit points each) | | | 30 |
| ■ **Year 2** | | | |
| **DHSC 1002** | *26R00A* | Research Thesis | 24 |
| **DHSC 1003** | *26R00B* | Research Thesis | 24 |
| ■ **Year 3** | | | |
| **DHSC 1002** | *26R00A* | Research Thesis | 24 |
| **DHSC 1003** | *26R00B* | Research Thesis | 24 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **DHSC 7001** | *26701* | Theory in the Health Professions | 6 |
| **DHSC 7002** | *26702* | Research and Inquiry in the Health Professions | 6 |
| **DHSC 7003** | *26703* | Foundations for Doctoral Studies | 6 |
| Elective (Semester 2) | | | 6 |
| ■ **Year 2** | | | |
| 4 Electives (2 per Semester; 6 credit points each) | | | 24 |
| ■ **Year 3** | | | |
| **DHSC 1004** | *26R00C* | Research Thesis | 12 |
| **DHSC 1005** | *26R00D* | Research Thesis | 12 |
| ■ **Year 4** | | | |
| **DHSC 1004** | *26R00C* | Research Thesis | 12 |
| **DHSC 1005** | *26R00D* | Research Thesis | 12 |
| ■ **Year 5** | | | |
| **DHSC 1004** | *26R00C* | Research Thesis | 12 |
| **DHSC 1005** | *26R00D* | Research Thesis | 12 |
| ■ **Year 6** | | | |
| **DHSC 1004** | *26R00C* | Research Thesis | 12 |
| **DHSC 1005** | *26R00D* | Research Thesis | 12 |

### Admission requirements

The Dean may admit an applicant to candidature for the degree if the applicant holds or has fulfilled the requirements for:

- Bachelor of Applied Science with First or Second Class Honours from The University of Sydney, or an undergraduate degree in the health sciences deemed to be equivalent; or
- Master of Applied Science from The University of Sydney, or Master of Health Science from The University of Sydney with a credit average, or equivalent; and
- A minimum of three years recent, full-time experience in the health field.

### Coursework units of study

There will be three core units of study:

- Theory in the Health Professions
- Research and Inquiry in the Health Professions, and
- Foundations for Doctoral Studies.

These core units will be offered, on a Faculty-wide basis, specifically for the doctoral program. Electives will be chosen from the large range of graduate units of study currently offered within the Faculty and University. Details of the Faculty elective units can be found in Chapter 21.

Electives must be chosen in consultation with the course coordinator, and approved by the head of the academic unit(s) in which the units are offered.

### Credit transfer

An applicant applying for credit transfer will have satisfied the admission criteria listed above and have demonstrated a high level of competency (with at least credit level grades) in the completed graduate coursework for which credit transfer is requested. Approval for credit transfer will be granted by the Head of the School responsible for HScD administration (currently this is the Head of the School of Behavioural and Community Health Sciences). This HOS's approval will be based on the recommendation of the academic coordinator, in consultation with the candidate's supervisor/s. Normally, credit transfer will only be granted for previously completed units of study that can be demonstrated as directly contributing to the candidate's total program of study in the Doctor of Health Science degree.

General faculty policy on credit transfer for the professional doctorate, together with specific policy in relation to core, elective and research units of study is listed below.

***General***

In general, no more than 50 per cent of the total coursework credit points (total is 48 credit points) will be granted credit transfer for the HScD coursework units of study.

Credit transfer will only be granted for units of study undertaken within the last 5 years.

***Core units of study***

Normally no credit transfer is granted for core units of study. In exceptional circumstances, credit may be granted if students can show that they have completed these units of study, or highly equivalent units of study, in another award program.

Students should forward applications for credit transfer in core units of study to the academic coordinator who will in consultation with the relevant core unit of study coordinator, make recommendations to the Head of the School responsible for HScD administration.

***Elective units of study***

Students will consult with their supervisor regarding credit transfer for elective units of study. Credit transfer will be granted for already completed units of study if the supervisor in consultation with the academic coordinator considers the completed units as relevant to the candidate's thesis research project. Credit transfer applications must be signed off by the candidate's supervisor and the academic coordinator and approved by the Head of School responsible for HScD administration.

Students should note that some electives are only available by distance mode while others are only available in on-campus mode. Details of mode of availability are included in the elective description.

***Research units of study and Thesis***

For those with a part completed candidature in a research master degree up to two semesters (full time equivalent), credit transfer may be granted for the research thesis component. Students should take into account that such credit transfer will reduce the minimum time of thesis submission and may also reduce the amount of HECS exemption.

The amount and nature of credit transfer in the research thesis will generally be given by the Head of School who administers the Professional Doctorate. Advice will be sought from the thesis supervisor in discussion with the Professional Doctorate academic coordinator and in conformity with University rules.

***Doctoral Symposium***

Students will be expected to present three (3) to four (4) research colloquia to their peers. Three (3) will take the form of 'work in progress' colloquia. The fourth and last of which might be analogous to an oral defense of the nearly completed thesis.

Colloquia will normally be arranged for presentation mid-year in a 'conference-type' format. One of the aims of the colloquium will be to reduce the isolation most students feel while undertaking a research degree and to introduce intermediate goals towards completion. It is expected that off-campus students will be incorporated into the common learning community of this program using flexible modes of delivery and through attendance at the research colloquia.

Candidates completing the award in off-campus mode are expected to attend the mid-year colloquium. It is expected that during the period of 'residence' off-campus students will also make contact with significant academic staff within the Faculty.

***The Thesis***

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.

The topic of the thesis shall be approved by the Faculty.

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.

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.

A candidate shall submit to the Registrar four copies of the thesis in a form prescribed by the Faculty.

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.

When the degree has been awarded, a copy of the thesis incorporating any required emendations and revisions shall be lodged in the University Library.

***Appointment of Examiners***

On receiving the thesis and having considered the certificate of the supervisor, the Dean shall consult with the relevant head of academic unit, and if he or she thinks fit, appoint examiners.

If the Dean after consultation with the relevant head of academic unit resolves to appoint examiners, she or he shall appoint three independent examiners, at least two of whom shall be external. All examiners shall have at least professional doctorate or PhD qualifications.

The Dean shall report the names of the examiners appointed to the Academic Board, which may appoint one or more additional examiners.

In any case where the Dean, having received the thesis and having considered the report of the supervisor, resolves not to appoint examiners, he or she shall report the circumstances to the Academic Board.

***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.

***Time limits***

A candidate may proceed either on a full-time or part-time basis.

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.

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.

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.

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.

Both reports shall then be forwarded to the Associate Dean (Graduate Research) within the Faculty.

Further enquiries:
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Academic Coordinator
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Email: b.adamson@fhs.usyd.edu.au

## ■ HScD units of study

### DHSC 1002 **Research Thesis**

Old code 26R00A. 24 credit points. **Semester**: 1.

Students complete a major research work which shall be a substantially original contribution to the subject. This research will be presented in the form of a thesis as part of this work. Students will be expected to give an annual research presentation to their peers.

### DHSC 1003 **Research Thesis**

Old code 26R00B. 24 credit points. **Semester**: 2.

Students complete a major research work which shall be a substantially original contribution to the subject. This research will be presented in the form of a thesis as part of this work. Students will be expected to give an annual research presentation to their peers.

### DHSC 1004 **Research Thesis**

Old code 26R00C. 12 credit points. **Semester**: 1.

Students complete a major research work which shall be a substantially original contribution to the subject. This research will be presented in the form of a thesis as part of this work. Students will be expected to give an annual research presentation to their peers.

### DHSC 1005 **Research Thesis**

Old code 26R00D. 12 credit points. **Semester**: 2.

Students complete a major research work which shall be a substantially original contribution to the subject. This research will be presented in the form of a thesis as part of this work. Students will be expected to give an annual research presentation to their peers.

### DHSC 7001 **Theory in the Health Professions**

Old code 26701. 6 credit points. Dr Rod Rothwell. **Semester**: 1. **Classes**: On-campus; external/distance mode. **Assessment**: Three assignments.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects.

*Textbooks*

Extensive study notes provided

### DHSC 7002 **Research and Inquiry in the Health Professions**

Old code 26702. 6 credit points. **Semester**: 2. **Classes**: On-campus; off-campus/distance mode.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. At the conclusion of this unit, students will have developed a research proposal for answering a research question of their choosing.

### DHSC 7003 **Foundations for Doctoral Studies**

Old code 26703. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus; off-campus/distance mode. **Assessment**: Continuous.

Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data.

There will be flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported, www.fhs.usyd.edu.au/bach/7003.

*Textbooks*

www.fhs.usyd.edu.au/bach/dhsc7003

# Master of Applied Science (generic award)

## ■ Australian Stuttering Research Centre

### Admission requirements

In order to qualify for admission to this course:

- The Faculty, may, on the recommendation of the Head of the School/Centre concerned, admit to candidature for a degree of Master within the Faculty an applicant:
- 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;
- who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

### Selection process

Students wishing to enrol in a research degree in the area of stuttering should apply for admission to candidature within the Centre.

The Centre in which admission has been sought will select from among the applicants who meet the entry requirements.

### Course outlines

The course outlines for the Master of Applied Science are presented in Table 19.2.

### Master's research thesis

The successful submission of a research thesis is the ultimate objective of the program. The process will necessitate a collaborative endeavour between a student and the supervisor and will involve a student's advisory committee.

For enquiries contact the Director of the Centre, Professor Mark Onslow.
Phone: (02) 9351 9061
Fax: (02) 9351 9392
Email: m.onslow@fhs.usyd.edu.au
Web: www.fhs.usyd.edu.au/asrc

Table 19.2: Master of Applied Science (Research)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2403: full-time, minimum 1.5 years, maximum 2 years | | | |
| Course code 2404: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **STUT 6002** | *24501A* | Research Thesis Preparation | |
| **STUT 6003** | *24501B* | Research Thesis Preparation | |
| ■ **Year 2** | | | |
| **STUT 6004** | *24502A* | Research Thesis | |
| **STUT 6005** | *24502B* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| **STUT 6002** | *24501A* | Research Thesis Preparation | |
| **STUT 6003** | *24501B* | Research Thesis Preparation | |
| ■ **Years 3 and 4** | | | |
| **STUT 6004** | *24502A* | Research Thesis | |
| **STUT 6005** | *24502B* | Research Thesis | |

## ■ Master of Applied Science by Research

This generic degree is offered to candidates from a wide range of disciplines and training to pursue their research interest in this Faculty. Students should refer to the school chapters to identify appropriate supervisors.

Coursework may be required where this is considered necessary for the development of the thesis. However the admission criteria for this program may differ from those indicated for each school.

### Admission requirements

To qualify for admission to the Master of Applied Science degree, applicants must possess:

- A relevant bachelor's degree from The University of Sydney or other Australian university or an overseas institution of higher education equivalent to an Australian bachelor degree.
- Evidence of general and academic qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research.

### Course outline

The course outline for the Master of Applied Science is presented in Table 19.3.

Table 19.3: Master of Applied Science

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2801: full-time, minimum 1.5 years, maximum 2 years | | | |
| Course code 2802: part-time, minimum 3 years, maximum 4 years | | | |
| Course code 2803: off-campus, full-time, minimum 1.5 years, maximum 2 years | | | |
| Course code 2804: off-campus, part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **MASC 1001** | *28R01A* | Research Thesis | |
| **MASC 1002** | *28R01B* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **MASC 1003** | *28R01C* | Research Thesis | |
| **MASC 1004** | *28R01D* | Research Thesis | |

### Applications

- An application for admission to a Master's degree program is accepted subject to the availability of facilities and supervision. Courses and arrangements as stated in the Handbook or any other publication, announcement or advice of the Faculty are expression of intent only and are not to be taken as a firm offer or undertaking. The Faculty reserves the right to discontinue or vary such courses, or arrangement of staff allocations at any time without notice.
- An application shall be made on the prescribed form and shall be lodged with the Head, Student Administration (Cumberland).
- An application shall normally be made by the end of October immediately preceding the year in which the applicant wishes to register, except that, for a program being conducted for the first time, application for admission shall be made by the specified closing date, as determined by the Head, Student Administration (Cumberland), from time to time.
- An applicant may seek admission to a Master's degree program either as a full-time or part-time on-campus or full-time or part-time off campus student.

### Enrolment

1. The Faculty may:

(a) Permit an applicant to enrol as a Master's degree by Research candidate in one of the following Master of Applied Science areas:
Behavioural Science
Biomedical Sciences
Communication Sciences and Disorders
Education
Exercise and Sport Science
Gerontology
Health Information Management
Indigenous Community Health
Medical Radiation Sciences
Occupational Therapy
Orthoptics
Physiotherapy
Rehabilitation Counselling
Stuttering, Or
Master of Communication Disorders

(b) Permit an applicant to enrol as a Master's qualifying student for the purpose of preparing for candidature in any of the above Master's degree courses. On successful completion of the Qualifying Program, a prospective Master's degree student is required to apply for admission to the Master's degree program.

2. An applicant enrolled as a Master's degree candidate or as a qualifying student will not be permitted to undertake concurrently other graduate studies in the University, or elsewhere, except with the approval of the Faculty.
3. An applicant will not be permitted to enrol as a qualifying student or degree candidate unless the head of school/centre has certified that the applicant is considered suited to undertake the program and that the current research interests of members of Faculty and the availability of resources for the proposed research have been discussed with the applicant.
4. The Faculty may permit an applicant to enrol as a Master's degree candidate if the applicant has:
(a) Qualified for admission in terms of the admission requirements (see Section on Admission Requirements under each academic unit),
OR
(b) Been enrolled as a Master of Applied Science/Health Science Qualifying Student in the Faculty and has subsequently carried out such work, passed such examinations and reached such standards as prescribed by the Faculty.
AND
(c) Satisfied the Faculty that the applicant can devote sufficient time to advanced study and research.
AND
(d) An applicant may be required to submit additional information to satisfy Head of School/Centre.

## Course requirements

*1. General*

(a) A qualifying student shall be eligible for consideration for admission to a Master's degree program on completion of a program approved by the Faculty at a level of performance prescribed by the Faculty.

(b) A candidate shall be eligible for admission to the degree of Master of Applied Science if the candidate:
(i) undertakes the prescribed course of study for the degree, and
(ii) completes the prescribed program of the research thesis which involves original investigation or review, and
(iii) submits and has accepted a thesis prepared under the supervision of an academic supervisor appointed by the Faculty.

*2. Minimum time*

(a) A qualifying student shall not be eligible for consideration for enrolment as a Master's degree candidate until a period of at least one semester has elapsed from initial enrolment.

(b) A candidate shall not normally be eligible for admission to the degree:
(i) in the case of a full-time student, until a period of at least three semesters has elapsed from time of enrolment as a Master's degree candidate, OR
(ii) in the case of a part-time student, until a period of at least six semesters has elapsed from the time of enrolment as a Master's degree candidate.

*3. Maximum time*

(a) A qualifying student shall complete the program within two years.

(b) A candidate shall present for examination:
(i) in the case of a full-time student, not later than four semesters from the date of enrolment as a Master's degree candidate, OR
(ii) in the case of a part-time student, not later than eight semesters from the date of enrolment as a Master's degree candidate, unless special permission for an extension of time be granted by the Faculty.

*4. Discontinuation of enrolment*

Notwithstanding the provision of section 3 above, the Faculty may discontinue the enrolment of a Master's degree candidate in less than the maximum time allowed, if it is dissatisfied with the candidate's progress.

*5. Fieldwork and supervision*

(a) the work other than field work should be carried out in the school/centre and such other areas as appropriate or under such conditions as the Faculty may determine.

(b) the Faculty shall appoint a supervisor from the Academic staff of the Faculty/University.

(c) where the Faculty considers it appropriate, it may appoint an academic associate or co-supervisors. In the case of part-time students, the Faculty may appoint associate or co-supervisors in the student's region or workplace.

*6. Progress reports*

Every Master's degree candidate is required to complete an annual report on his/her work to the academic supervisor then through the Head of school/centre to the Graduate Studies Committee.

*7. Research subject*

Not later than two semesters after enrolment as a full-time Master's degree candidate or three semesters after enrolment as a part-time Master's degree candidate, the candidate shall submit the subject of the research thesis for approval by the Faculty. After the subject has been approved it may not be changed except with the written permission of the Faculty.

## Research thesis

1. On completion of studies, a Master's degree candidate will submit a thesis which complies with the following requirements:
(a) The greater proportion of the work described must have been completed subsequent to initial enrolment, and
(b) It must be a distinct contribution to the knowledge of the subject whether by original investigation or by review, and
(c) It must be written in English or in a language approved by the Faculty and reach a satisfactory standard of literary presentation.
2. The thesis shall consist of the candidate's own account of his/her work. In special cases work done conjointly with other persons may be accepted provided the Faculty is satisfied with the candidate's part in the joint work.
3. Every candidate shall submit with the thesis a short abstract of the thesis comprising of not more than 300 words.
4. A candidate may not submit as the main content of the thesis any work or material which has been previously submitted for a degree or other similar award, but shall not be precluded from incorporating such in the thesis, provided that he/she indicates generally in the preface and specifically in the notes of the work, material which has been so incorporated.
5. The candidate shall give in writing two months' notice of the intention to submit the thesis.
6. Two copies of the thesis shall be prepared by the candidate.
(a) The thesis shall be submitted to the Head, Student Administration (Cumberland) with a certificate signed by the supervisor(s) certifying that the form of presentation in the candidate's thesis is satisfactory.
(b) If the Head of School/Centre declines to accept the thesis, the supervisor may appeal in writing to the Graduate Studies Committee.
(c) If the supervisor or supervisor(s) decline(s) to certify the thesis is ready for examination and the Head of School/Centre declines to accept the thesis, a candidate may appeal to the Graduate Studies Committee.

### Examination of thesis

1. The Faculty shall appoint two examiners, at least one of whom shall not be a member of the academic staff of the University. At least one examiner shall be selected from within the University. The student's supervisor(s) shall not be an examiner.
2. All examiners shall be furnished with a copy of the course description and course requirements, and be required to award marks/grades of Fail, Pass, Credit, Distinction and High Distinction according to the criteria determined by the Faculty, which is available from Student Administration (Cumberland).
3. The candidate may be required to attend the College or such other place as the Faculty shall determine for an oral examination of his/her thesis.
4. The report of examiners shall be forwarded to the Head of School/Centre for recommendation to Graduate Studies Committee, to award one of the above grades as a thesis final result.
   Note: However, if there is any disagreement among the examiners, the Head, shall consult the supervisor and the annual progress report before making a recommendation.
5. Following a resolution regarding the thesis by the Graduate Studies Committee, the examiners' reports, anonymously, may be released to the candidate by the relevant Head of School/Centre.

# Cross-college coursework courses

This new 48 credit point coursework, master program, Master of Health Science (Developmental Disability) and 24 credit point graduate certificate program, Graduate Certificate of Health Science (Developmental Disability) is a cross-College of Health Sciences initiative designed to advance multidisciplinary practice in the field of developmental disabilities. The purpose of this program is to create a multidisciplinary network of medical, health, dental, nursing and related professionals who will become leaders in the field and who are skilled and competent in addressing the needs of people with developmental disability. It is expected that intending students will be competent practitioners in their chosen profession. The program is not intended to be profession specific; rather it is premised on interdisciplinary and multidisciplinary approaches to educating specialists in the medical, dental, health and nursing care of people with developmental disabilities and their families.

This course aims to provide specific professional development for medical, health, dental, nursing and related professionals who wish to acquire the knowledge and skills required to assume multidisciplinary roles and to develop specialist expertise in medical, health and community care for people with developmental disabilities and their families. It will support the development of a high standard of relevant academic and clinical skills in medical, health, dental, nursing and related professionals through an emphasis on systematic critique and analysis of policy practice frameworks, theory and research, current methods and intervention and system issues. The two courses aim to:

Develop leaders in the field of developmental disability able to consider issues from a scholarly perspective and provide intellectual leadership into the next century

Develop practitioners at an advanced level able to challenge their own discipline and contribute to multi-disciplinary practice which affords respect to individuals with developmental disability, their families, advocates and carers

Provide the intellectual environment in which practitioners can learn with their colleagues from a range of health, medical and related disciplines and within the framework and principles of adult and independent learning with options available in off-campus and on-campus modes, and

Provide the opportunity for practitioners from this range of disciplines to gain a postgraduate credential indicating a specialization in the developmental disability field.

Enrolment in the two courses, which will be articulated, will be open to applicants with a bachelor degree in an area of occupational relevance such as health, medicine, welfare, law, behavioural, social or biomedical sciences.

The course is designed predominantly in off-campus mode with a short, required on-campus block attendance in the compulsory core unit of study at the commencement of the course.

The core unit of study, Critical Issues in Development Disability, is compulsory for all students, and normally taken in the first semester of enrolment. Credit transfer is not available for this core unit. Progression in the course beyond first semester is conditional on satisfactory completion of this unit.

## ■ Graduate Certificate of Health Science (Developmental Disability)

This course is designed to provide the opportunity for practitioners from a range of health, medical and related disciplines to gain a graduate credential in the developmental disability field within the framework and principles of adult and independent learning with options available in off-campus and on-campus modes.

### Admission requirements

- A bachelor's degree in an area of occupational relevance such as health sciences, medicine, dentistry, nursing, welfare, law, psychology, social or biomedical sciences; or
- Overseas qualifications acceptable to the Faculty; or
- Other general and professional qualifications and /or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirement for admission to the program as may be prescribed by the Faculty.

Students will be expected to use electronic information systems, access to (but not necessarily ownership of) a computer with Internet connection is a highly desirable criterion for admission.

### Course outline

The course outlines for the Graduate Certificate of Health Science (Developmental Disability) course are presented in Table 19.4.

Table 19.4: Graduate Certificate of Health Science (Developmental Disability)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2703: off-campus, full time, 1 semester<br>Course code 2704: off-campus, part-time, 2 semesters<br>Award total: 24 credit points | | | |
| **Full-time mode** | | | |
| **GSDD 5001** | *27501X* | Critical Issues in Developmental Disability | 6 |
| Electives Developmental Disability stream[1] | | | 12 |
| Electives[2] | | | 6 |
| **Part-time mode** | | | |
| **GSDD 5001** | *27501X* | Critical Issues in Developmental Disability | 6 |
| Electives Developmental Disability stream[1] | | | 12 |
| Electives[2] | | | 6 |

**Notes**

1. Students must choose electives totalling 12 credit points from the Developmental Disability stream units (27E61A).
2. Choose electives totalling 6 credit points, relevant to specialisation, from across the Faculty or University (00E61A).

## ■ Master of Health Science (Developmental Disability) Pass and Honours

These programs are designed for medical, health, dental, nursing and related professionals to develop, at an advanced level, able to challenge their own discipline and contribute to multi-disciplinary practice which affords respect to individuals with developmental disability, their families, advocates and carers and to become leaders in the field of developmental disability able to consider issues from a scholarly perspective. The courses are conducted as a combination of off-campus self-directed learning and on-campus blocks.

### Admission requirements

- A bachelor's degree in an area of occupational relevance such as health sciences, medicine, dentistry, nursing, welfare, law, psychology, social or biomedical sciences; or
- Overseas qualifications acceptable to the Faculty; or
- Other general and professional qualifications and /or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirement for admission to the program as may be prescribed by the Faculty.

Students will be expected to use electronic information systems, access to (but not necessarily ownership of) a computer with Internet connection is a highly desirable criterion for admission.

### Master of Health Science (Developmental Disability) Honours

Students in the Master program who have received 65 per cent Credit or better in all units of study and a 75 per cent Distinction

or better in at least two units of study may be invited to complete the additional honours requirements of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem. An honours candidate will normally be required to enroll in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester.

### Course outline

The course outlines for the Master of Health Science (Developmental Disability) Pass and Honours courses are presented in Tables 19.5 and 19.5.1.

Table 19.5: Master of Health Science (Developmental Disability) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2701: off-campus, full time, 1 year<br>Course code 2702: off-campus, part-time, 2 years<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **GSDD 5001** | *27501X* | Critical Issues in Developmental Disability | 6 |
| Electives Developmental Disability stream[1] | | | 24 |
| Electives[2] | | | 18 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **GSDD 5001** | *27501X* | Critical Issues in Developmental Disability | 6 |
| Electives Developmental Disability stream[1] | | | 12 |
| Electives[2] | | | 6 |
| ■ **Year 2** | | | |
| Electives Developmental Disability stream[1] | | | 12 |
| Electives[2] | | | 12 |

### Notes

1. Students must choose electives totalling 24 credit points from the Developmental Disability stream units (27E61A).
2. Choose electives totalling 18 credit points, relevant to specialisation, from across the Faculty or University (00E61A).

Table 19.5.1: Master of Health Science (Developmental Disability) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2705: off-campus, full time, 1 semester<br>Course code 2706: off-campus, part-time, 2 semesters<br>Award total: 12 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course (see Table 19.5) | | | |
| ■ **Year 2 Honours** | | | |
| **GSDD 5009** | *27509X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course (see Table 19.5) | | | |
| ■ **Year 3 Honours** | | | |
| **GSDD 5009** | *27509X* | Dissertation | 12 |

### Program of study

At the Graduate Certificate level the compulsory core unit will ordinarily be undertaken in the first semester along with the required units from the Developmental Disability Studies stream and/or an elective unit for full time students. At the Master level, the core unit plus at least two units of study will ordinarily be undertaken from the Developmental Disability Studies stream in the first semester.

| Unit code | (old code) | Unit name |
|---|---|---|
| ***Developmental Disability Stream (27E61A)*** | | |
| Offered in 2004 | | |
| BACH 5041 | (2551U) | Introduction to Gerontology |
| BACH 5070 | (2552N) | Family and Caring in the Community |
| BACH 5147 | (2554U) | Psychology of Ageing |
| BACH 5148 | (2554V) | Health Policy and Social Theory |
| BACH 5186 | (25560) | Graduate Skills for Professional Development |
| BACH 5213 | (2556R) | Law and the Health Services |
| BACH 5268 | (2558A/ 2558AX) | Developing a Research Project |
| BACH 5288 | (2558U) | Disability and the New Genetics |
| BACH 5289 | (2558V) | Disability and the Community |
| BIOS 5018 | (11433X) | Health, Dysfunction and Ageing |
| GSDD 5004 | (27504/ 27504X) | Multidisciplinary and Collaborative Practice in Developmental Disability |
| GSDD 5006 | (27506X) | Inquiry Topic |
| GSDD 5009 | (27509X) | Dissertation |
| GSDD 5011 | (27510X) | Autism Spectrum Disorders: Theoretical Foundations |
| GSDD 5013 | (27512X) | Community Living and People with Developmental Disability |
| GSDD 5015 | (27514X) | Physical Health of People with Developmental Disability |
| GSDD 5016 | (27515X) | Sexuality and People with Developmental Disability |
| GSDD 8001 | (27801) | Integration Process: Sharing Responsibilities (EDPD5011) |
| GSDD 8002 | (27802) | Students with Special Education Needs (EDPD5001) |
| OCCP 5138 | (15573) | Specialised Seating |
| Offered in 2005 | | |
| GSDD 5003 | ( 27503X) | Mental Health of People with Developmental Disability (Offered in Semester 2, 2005) |
| GSDD 5007 | (27507X) | Communication and People with Lifelong Disability (Offered in Semester 1, 2005) |
| GSDD 5008 | (27508X) | Legal & Ethical Issues in Developmental Disability |
| GSDD 5012 | (27511X) | Behaviour Support and Promoting Quality of Life (Offered in Semester 2, 2005) |
| GSDD 5014 | (27513X) | Parenting with a Developmental Disability (Offered in Semester 2, 2005) |
| GSDD 5017 | (27516X) | Mealtime Management and Communication (Offered in Semester 2, 2005) |

### Elective units of study

Elective units can be taken from any currently offered within the University. Typically elective units will be taken from those currently offered within the College of Health Sciences from the Faculty of Health Sciences (Chapter 21), the Faculty of Medicine, the Faculty of Nursing and the Faculty of Dentistry. It will also be possible to take appropriate units across the University of Sydney, or at other Universities. Selection of elective units must be done in consultation with the program coordinator and approved by the head of the academic unit(s) in which the units of study are offered.

## ■ Cross-college units of study

### BACH 5041 Introduction to Gerontology

Old code 2551U. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; off campus mode. **Assessment**: Three assignments.

*NB: www.fhs.usyd.edu.au/bach/5041*

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. 3 Modules: Population ageing and public policy; Understanding health and ageing; Ageing, society and professional practice.

*Textbooks*

Australia's New Aged. McCallum, J Geiselhart, K. (1996). Allen & Unwin.

www.fhs.usyd.edu.au/bach/5041

### BACH 5070 Family and Caring in the Community

Old code 2552N. 6 credit points. Dr Rosemary Cant (02) 9351 9560. **Semester**: 2. **Classes**: On campus and off campus block mode. **Assessment**: Contribution to tutorials and group work and an individual final report.

This unit of study examines family and community care within the context of social, economic and political processes and structures. The social basis of community care is considered

together with an analysis based on a systems approach to understanding family processes when caring work is extensive. The ecological approach locates these families within their social contexts. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are conductive to the provision of reliable and effective family community care? The nature of community and aspects of Australian community studies relevant to issues of care are considered. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health area.

### BACH 5147 **Psychology of Ageing**

Old code 2554U. 6 credit points. Dr Steve Cumming (02) 9351 9404, and Dr Lynn Harris (02) 9351 9162. **Semester**: 2. **Classes**: On campus, directed independent and contract learning.

This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted.

### BACH 5148 **Health Policy and Social Theory**

Old code 2554V. 6 credit points. Dr Ian Hughes (02) 9351 9582. **Semester**: 1, 2. **Classes**: Contract learning. On-campus mode.

This unit of study treats the relationship between self, health and health policy as a social process. Included in this process are the distribution of health & illness and implications for health care, social organisation and the management of illness, the medical model, professionalism, management of acute and chronic illness and alternatives in health care delivery. The theoretical and substantive issue covered by this unit are: classical and contemporary theories of social change, contemporary approaches to social change, evaluating public and private models of health-care delivery, health-care policy, technical changes, demographic changes, health care systems and social movements (eg, consumer rights). A key to understanding all of the above is the concept risk society. Are we living in an age of risk, or is it a post-modernist invention?

### BACH 5186 **Graduate Skills for Professional Development**

Old code 25560. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: Contact in off-campus mode. **Assessment**: Assignments.

Participants in this unit of study will develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical analyses, formation of tables and graphs, critical literature review.There will be flexibility in selecting curriculum content to match the background and needs of the particular student.

*Textbooks*

1. The Research Student's Guide to Success. Cryer, P. (1996). Buckingham, England. Open University Press.
2. Get Great Information Fast. Germov, J. and Williams, L. (1999). Sydney: Allen and Unwin.

### BACH 5213 **Law and the Health Services**

Old code 2556R. 6 credit points. Dr Judith Mair (02) 9351 9126. **Semester**: 2. **Classes**: 2 hours alternate weeks. **Assessment**: Assignment and seminar presentation.

This unit aims to equip providers of health services with knowledge of the legal framework for the delivery of health services in Australia together with law relevant to the client base. The unit will cover legal issues involving children, childbirth, older people, the mentally ill, those addicted to drugs or alcohol, and people with intellectual and physical disabilities. The unit will also cover law protecting safety and compensation for accidents in the home, at work and transport related. This unit is available on-campus and regular group discussions will be held on a fortnightly basis.

*Textbooks*

List of references to be supplied.

### BACH 5268 **Developing a Research Project**

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### BACH 5288 **Disability and the New Genetics**

Old code 2558U. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.

This unit examines the influence of current research into the genetic basis of disability and disease on how the community and health professions view health, disability and disease. This unit will look at the role of genetic counselling in health care. Students will also examine how the increasing availability of genetic testing for many genetic disorders will affect individuals and their families. Some of the topics covered will be definitions of genetic counselling, application of genetic counselling to different groups (ie, pre-symptomatic testing, diagnostic testing, pre-natal testing), goals of genetic counselling and testing. The unit will examine the different perspectives of health professions in genetic counselling and testing – ie, clinical geneticists, science trained counsellors, social workers, psychologists and nurses. The course will also examine how the presence of genetic disease or disorder affects the individual and family (will cover various types of condition and patterns of inheritance). The dilemmas individuals and their families face in deciding whether or not to seek genetic counselling will also be discussed.

### BACH 5289 **Disability and the Community**

Old code 2558V. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.

This unit examines definitions of disability and handicap. Of particular importance will be how ways of viewing disability and handicap affect how people with disabilities are treated in the community and in health care settings. Students will be encouraged to focus their study on a particular segment of the community (ie, health professionals, different ethnic groups or media) and examine that group's attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie, women, children or people with a specific condition). The underlying aim will be for students to develop strategies for improving attitudes 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 attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability.

### BIOS 5018 **Health, Dysfunction and Ageing**

Old code 11433X. 6 credit points. Ms Dana Strain (02) 9351 9140. **Semester**: 2. **Classes**: Directed. **Assessment**: Written assignment, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence with age of certain diseases and impairments, especially those with a tendency to become disabling and a handicap. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented from leading to further disability. The unit also provides for in-depth study of a specific aspect of individual student interest.

### GSDD 5001 Critical Issues in Developmental Disability

Old code 27501X. 6 credit points. Professor Trevor Parmenter (02) 88780500. **Semester**: 1. **Classes**: Off campus mode with block attendance at pre-course workshop, week 0. **Assessment**: Contribution to tutorials and group work and an individual final report.

As potential leaders in the field of developmental disability, students undertaking this unit will develop a framework for considering the major concepts in the field from a variety of viewpoints. The unit will form the basis for introducing students to effective multidisciplinary practice. This unit forms a conceptual underpinning for the course and introduces students to basic concepts such as models of disability, classification, etiology, models of intervention and life span issues. Also covered are historical developments, bio psychosocial aspects, (including physical and mental health and family issues), disability legislation and other legal issues such as consent and guardianship. Students will work together in this unit of study in multidisciplinary ways. All students will undertake and satisfactorily complete this core unit in the first semester of enrolment.

### GSDD 5004 Multidisciplinary and Collaborative Practice in Developmental Disability

Old code 27504/27504X. 6 credit points. Professor Gwynnyth Llewellyn (02) 9351 9213 and Dr Christine Johnston. **Semester**: 2. **Classes**: Off campus. **Assessment**: Contribution to tutorials and group work and an individual final report.

*NB: Offered Semester 2, 2005*

Participants in this unit will develop high-level skills in multidisciplinary, collaborative practice in the field of developmental disabilities. Students will explore the range of past and present models of practice affecting the treatment of people with developmental disabilities and their families. These include professional versus client led models of practice; interdisciplinary, multidisciplinary and transdisciplinary models; parents as partners, collaborators and drivers; negotiation and communication between professionals and with families; multidisciplinary team management and consultation skills and expertise. Students will have the opportunity to participate in multidisciplinary assessment and support planning case presentations.

### GSDD 5006 Inquiry Topic

Old code 27506X. 6 credit points. Professor Trevor Parmenter (02) 8078 0500, Professor Gwynnyth Llewellyn (02) 9351 9213. **Semester**: 1, 2. **Classes**: off campus with independent directed study. **Assessment**: 6,000 word report.

The purpose of this unit of study is to provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in developmental disabilities. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

### GSDD 5009 Dissertation

Old code 27509X. 12 credit points. Prof. Trevor Parmenter (02) 8878 0500, Prof. Gwynnyth Llewellyn (02) 9351 9213. **Semester**: 1, 2. **Classes**: Off campus with independent directed study. **Assessment**: 12,000 words dissertation.

The honours dissertation is an extra 12-credit points unit of study in addition to the 48 credit points required to complete the Master of Health Science (Developmental Disability). The honours dissertation is an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

### GSDD 5011 Autism Spectrum Disorders: Theoretical Foundations

Old code 27510X. 6 credit points. Dr Jacqui Roberts, Autism Association NSW (02) 8868 8511. **Semester**: 1. **Classes**: Off campus mode. **Assessment**: Individual and group reports.

*NB: Offered Semester 2, 2004*

This unit focuses students' understanding of autism spectrum disorders across the life span in both historical and current contexts. The unit will cover topical issues in autism including but not limited to:'Autism spectrum or spectra': Exploring issues of definition, assessment and diagnosis in autism; 'From psychotherapy to discrete trial training': Changes in treatment and management of autism over time; 'From research to practice': Exploring the relationship between empirical information and the management of autism across the life span; 'Beyond the Triad': Exploring what we now know about the underlying characteristics of autism, which inform observable autistic behaviours; 'Crossing the boundaries': Issues in the provision of a multi disciplinary collaborative approach to the assessment and management of autism; and an exploration of the validity of a 'neurotypical' approach to the world, from the perspective of people with autism.

### GSDD 5013 Community Living and People with Developmental Disability

Old code 27512X. 6 credit points. Dr Roger Stancliffe, Senior Research Fellow, Centre for Developmental Disability Studies (02) 8878 0500. **Semester**: 1. **Classes**: Off campus mode. **Assessment**: Individual reports.

*NB: Offered Semester 2, 2004*

This unit provides students with an understanding of contemporary issues in provision of community living services to people with a developmental disability. The unit will be of most benefit to those students who have some experience of developmental disability services. Topics to be covered include the following. Deinstitutionalisation and community living. Differing approaches to provision of accommodation support in the community, including group homes, supported living, semi-independent living, and co-residency. The funding, legislative and regulatory environment in which community living services currently operate. Quality service provision in community living, with a focus on resident outcomes, and the evaluation and management of quality. Values underpinning community living and quality service. The Active Support Model and quality provision of community living services. Safety, risk management and self-determination. National and international data on provision of community living services.

*Textbooks*

Provided on enrolment.

### GSDD 5015 Physical Health of People with Developmental Disability

Old code 27514X. 6 credit points. Dr Seeta Durvasula (Lecturer, Faculty of Medicine) Centre for Developmental Disability Studies (02) 8878 0500,. **Semester**: 1. **Classes**: Off campus mode. **Assessment**: Contribution to on-line tutorials and group work and 2 reports.

*NB: Offered Semester 1, 2004*

This unit provides an overview of the main physical health conditions in people with developmental disability. Topics include mortality and life span; genetics of developmental disability, including important syndromes and their relevant features; an examination of major conditions such as epilepsy, sensory impairments, endocrinological disorders, gastro-oesophageal and nutritional problems. A practical, multidisciplinary approach to comprehensive health assessment and management will be considered. Students will also critically review the factors influencing health and health care access in people with developmental disability. Students will have the opportunity to examine a topic of individual interest in further depth.

*Textbooks*

Provided on enrolment

### GSDD 5016 Sexuality and People with Developmental Disability

Old code 27515X. 6 credit points. Dr Kelley Johnson. **Semester**: 2. **Classes**: Offered in a flexible, independent learning 0ff-campus mode. **Assumed knowledge**: Knowledge of the structure and function of male and female genitalia and the sexual response cycle; knowledge of and/or experience with people with developmental disability. **Assessment**: Individual report; group report; and evidence of group participation in on-line discussion.

*NB: Offered Semester 2, 2004*

This UOS will provide the students with an overview of historical, cultural and sociological perspectives on the sexuality of people with developmental disability. Students will become aware of the relationships between identity, gender and sexuality and how these are shaped by cultural and societal attitudes and beliefs. Students will explore issues of sexual preferences, knowledge about and decision-making and control over sexuality, sex education and sexual and reproductive health through examination of the life stories of women and men with developmental disability. Students will demonstrate the ability to discuss approaches/programs and formal services in relation to sexuality with people with a developmental disability, their family members, carers or advocates and assist them to understand, appreciate and support the realization of sexuality for people with developmental disability.

*Textbooks*
All resources will be provided in web based content modules linked online and e-resourced through the university library.
The students will be expected to have access to computer details.

### GSDD 8001 **Integration Process: sharing responsibilities (EDPD 5011)**

Old code 27801. 6 credit points. Kathleen Tait (02) 93516286. **Semester**: 1. **Classes**: On campus. **Assessment**: Seminar presentation and paper; written analysis of an attitude survey.
This unit will critically examine the processes, models, educational policies and strategies proposed for the integration and inclusion of students with special needs into the regular classroom and the community. The shift in the debate from whether or not the integration should take place to the acceptance of the principles of integration and inclusion, and the consequent debates concerning strategies for the implementation and inclusion are major discussion topics. Issues such as the most appropriate and effective delivery systems, the most effective curriculum structures and the hidden curriculum within integration and inclusion, will be raised. The strong movement towards full inclusion of people with disabilities, both in schools and the community,will be explored, together with an examination of the barriers to full inclusion, such as stigma and negative attitudes towards disability, the service delivery structures in schools and community services, the cost factors and appropriate levels of training for all staff involved.

### GSDD 8002 **Students With Special Education Needs (EDPD 5001)**

Old code 27802. 6 credit points. Assoc. Prof. David Evans (02) 9351 8463. **Semester**: 1, Summer School. **Classes**: On campus mode. **Assessment**: Seminar paper involving a review of theoretical and research literature and a research interpretation and evaluation critique.
An introduction to the study of the psychology, development and learning requirements of students with special needs, such as result from intellectual, physical, chronic illness, commuication, sensory, learning disabilities and/or emotional disturbance, including students who are gifted and talented but also have such additional needs. In order that students develop skills of critical review and analysis, principles of reearch design and statistical analysis will be explicated through the examination of theoretical and research literature in the field.

### OCCP 5138 **Specialised Seating**

Old code 15573. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus mode with independent study. Web CT.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
This unit of study will cover the knowledge and skills required by occupational therapists and others to prescribe, evaluate and modify equipment that promotes effective sitting positions. Students will integrate principles of ergonomics, biomechanics and design to determine appropriate wheelchair and other seating options for children and adults whose physical function is compromised by neurological and/or musculoskeletal impairments. Learning experience will include Web CT, block mode and independent study.

# School of Applied Vision Sciences

## ■ Graduate Certificate of Health Science (Vision Impairment)

*NB: Not offered in 2004*

This Graduate Certificate course is designed to provide professional education for graduates in the health sciences, teaching or related areas who are working or wish to work in the area of vision impairment. The course consists of four core units and two elective units. It is only available in a part-time mode.

On successful completion of the Graduate Certificate program, students may apply to articulate into the Graduate Diploma with advanced standing for stage one of that award.

### Admission requirements

(i) To qualify for admission applicants shall:
(ii) Possess a undergraduate degree from an institution recognised by The University of Sydney; or
(iii) Possess an undergraduate diploma in a related area and show evidence of additional professional training and/or experience to indicate that the applicant has sufficient educational preparation and capacity to pursue post graduate studies; or
(iv) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii).

## ■ Graduate Diploma of Health Science (Vision Impairment)

*NB: Not offered in 2004*

The Graduate Diploma of Health Science (Vision Impairment) course is designed to provide specialist study within a wide range of skills for professionals working with the vision impaired. The first module (common with the Graduate Certificate) provides a basis for this education, whilst the second module (in the second year) allows for individual programs to be developed from a range of electives and the provision for individual special study. The course is offered on either a full or part time basis and can be completed in a minimum of one year.

### Admission requirements

To qualify for admission applicants shall:
(i) Possess a undergraduate degree from an institution recognised by The University of Sydney; or
(ii) Possess an undergraduate diploma in a related area and show evidence of additional professional training and/or experience to indicate that the applicant has sufficient educational preparation and capacity to pursue post graduate studies; or
(iii) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii)

Note: Participants wishing to transfer (or articulate) from the Graduate Certificate into the Graduate Diploma should complete a Course Application form and submit this to the Head of School. Admission for all students will be contingent on availability of places.

## ■ Master of Orthoptics by Coursework

Orthoptists are allied health professionals and key members of the medical eye care team who prevent, manage and research disorders of the eye and vision systems. They have particular expertise in the assessment and treatment of binocular vision (use of the two eyes as a pair). Orthoptists support patients who have visual problems associated with conditions such as stroke and head injury, work with partially sighted people and treat children with lazy eyes. Orthoptists assist in the assessment of patients with eye diseases and are skilled in many of the exacting diagnostic procedures related to disorders of the eye and visual system such as testing peripheral vision, ultrasonography, biometry, assisting in minor surgery and client instruction in the use of contact lenses.

The program aims to prepare graduates for registration with the Australian Orthoptic Board to be able to practice in Australia and may be completed on a full-time basis over two years or a part-time basis over four years.

### Admission requirements

Applicants should possess:
i) A Bachelor's degree in a relevant health science area other than Orthoptics
ii) Evidence of general and professional qualifications and experience that will enable engagement with the program.

Students applying for the program who do not meet the admission criteria will be required to complete particular units of study on a non-award basis, prescribed by the Head of School.

### Course outline

The course outline for the Master of Orthoptics is presented in Table 19.6.

Table 19.6: Master of Orthoptics by Coursework

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1420: off-campus, full time – minimum 4 semesters<br>Course code 1420: off-campus, part time – minimum 8 semesters<br>Award total: 96 credit points | | | |
| **Full-time mode** | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| **BACH 5268** | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **ORTH 5022** | *14525X* | Binocular Vision and Strabismus A | 5 |
| **ORTH 5023** | *14526X* | Ocular Pathology A | 5 |
| **ORTH 5024** | *14527X* | Professional Experience 1A | 4 |
| OOE41A Elective | | | 4 |
| **Semester 2** | | | |
| **ORTH 5025** | *14528X* | Binocular Vision and Strabismus B | 5 |
| **ORTH 5026** | *14529X* | Ocular Pathology B | 5 |
| **ORTH 5027** | *14530X* | Professional Experience 1B | 4 |
| **ORTH 5028** | *14531X* | Professional Experience 1C | 4 |
| **ORTH 5029** | *14532X* | Clinical Management of Refractive Error | 6 |
| **■ Year 2 (first offered in 2005)** | | | |
| **Semester 1** | | | |
| **ORTH 5030** | *14533X* | Paediatrics | 6 |
| **ORTH 5031** | *14534X* | Eye Movement Disorders | 6 |
| **ORTH 5032** | *14535X* | Geriatrics | 6 |
| **ORTH 5033** | *14536X* | Professional Development | 6 |
| **Semester 2** | | | |
| **ORTH 5034** | *14537X* | Advanced Orthoptic Practice | 6 |
| **ORTH 5035** | *14538X* | Professional Experience 2A | 4 |
| **ORTH 5036** | *14539X* | Professional Experience 2B | 4 |
| **ORTH 5037** | *14540X* | Professional Experience 2C | 4 |
| **ORTH 5038** | *14541X* | Research Project | 6 |

**Part-time mode**

Part-time students may enrol in units of study that total no more than 17 credit points per semester. Selection of the units of study must take into account prerequisites between semesters and years. Students wishing to enrol in part-time mode must discuss this with an academic adviser in the School.

# ■ Master of Applied Science (Orthoptics) by Research

The Master of Applied Science (Orthoptics) is a research degree designed to provide opportunities for research and scholarship in specific areas of applied visual sciences.

### Admission requirements

***Pass level entry***

Applicants should possess either:

i) A Bachelor of Applied Science in Orthoptics from the Faculty of Health Sciences, The University of Sydney; or
ii) A Bachelor of Applied Science deemed to be equivalent to the above; or
iii) A Diploma of Applied Science in Orthoptics from Cumberland College of Health Sciences PLUS other evidence of professional development or qualifications which will satisfy the Graduate Studies Committee that the applicant possesses the educational preparation and capacity to pursue graduate studies; or
iv) Possess such qualifications as are deemed to be equivalent to (i) and/or (ii) and (iii).

Applicants with a Diploma of Applied Science will normally be required to complete a qualifying program as prescribed by the Graduate Studies Committee.

### Honours level entry

Applicants who have completed an approved bachelor degree at Honours level can be admitted to the program. They will not be required to complete a qualifying program.

Students with an Honours level may apply for advanced standing in the Research Electives, enabling them to enrol in the unit Research Thesis in the first year of the program.

### Time limits

The minimum length for a pass level will be four semesters full-time or six semesters part-time, exclusive of any qualifying program. The maximum length would normally be four semesters full-time and eight semesters part-time.

The minimum length for an honours level entry will be two semesters full-time or four semesters part-time, with the maximum length six semesters full-time and eight semesters part-time.

### Course outline

The course outline for the Master of Applied Science (Orthoptics) by Research is presented in Table 19.7.

Table 19.7: Master of Applied Science (Orthoptics) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1409: Special Program (for Master's qualifying students)<br>Course code 1407: full-time, minimum 1.5 years, maximum 2 years<br>Course code 1408: part-time, minimum 3 years, maximum 4 years<br>Award total: 96 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **ORTH 6006** | *14602* | Research Thesis | 12 |
| Research elective[1] | | | 6 |
| Research elective[2] | | | 6 |
| **Semester 2** | | | |
| **ORTH 6007** | *14603* | Research Thesis | 24 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **ORTH 6008** | *14604* | Research Thesis | 24 |
| **Semester 2** | | | |
| **ORTH 6007** | *14603* | Research Thesis | 24 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| Research elective[1] | | | 6 |
| Research elective[2] | | | 6 |
| **Semester 2** | | | |
| **ORTH 6009** | *14605* | Research Thesis | 12 |
| ■ **Year 2 (and subsequent years)** | | | |
| **Semester 1** | | | |
| **ORTH 6006** | *14602* | Research Thesis | 12 |
| **Semester 2** | | | |
| **ORTH 6009** | *14605* | Research Thesis | 12 |

**Notes**

1. Developing a Research Project BACH 5268 (2558A/2558AX) is the recommended research elective.
2. Subject to availability and timetabling constraints (see chapter 21 for list of available research electives). If students choose to enrol in the second research elective in Year 2, the length of candidature will remain as four semesters (two years) full-time and eight semesters (four years) part-time. Students may have to pay fees if their candidature exceeds the stated duration.

# ■ Applied Vision Sciences units of study

### BACH 5268 **Developing a Research Project**

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### ORTH 5022 **Binocular Vision and Strabismus A**

Old code 14525X. 5 credit points. **Semester**: 1. **Corequisite**: Ocular Pathology A ORTH 5023 (14526/14526X).

The student will gain an understanding of the normal eye and the functioning of the visual system, covering content using a systems approach. The systems to be studied include: the sensory system; the optical system; the motor system; the receptive and integrative systems. The student will develop an understanding of the anatomy of the eye and visual system, and the physiology related to the process of seeing and binocular vision, whilst studying the systems in an integrated manner.

### ORTH 5023 **Ocular Pathology A**

Old code 14526X. 5 credit points. **Semester**: 1. **Corequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X).

This unit will introduce the student to the medical model and highlight the role the orthoptist plays in this model. The student will learn about broad areas of medical disease, medical terminology, components of medical terms and general pharmacology. The focus will then shift to the eye, and the student will study common eye diseases, their presenting features and assessment for these by the eye health care professional. Management of eye disease will be introduced, with an emphasis on ocular pharmacology. The student will develop an understanding of the anatomy of the eye and visual system by the examination of ocular structures in disease management.

### ORTH 5024 **Professional Experience 1A**

Old code 14527X. 4 credit points. **Semester**: 1. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X) or Ocular Pathology A ORTH 5023 (14526/14526X).

The student will apply learning from Bincoular Vision and Strabismus A ORTH 5022 and Ocular Pathology A ORTH 5023 to the clinical environment by observation and participation.

### ORTH 5025 **Binocular Vision and Strabismus B**

Old code 14528X. 5 credit points. **Semester**: 2. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Professional Experience 1A ORTH 5024 (14527/14527X).

The student will study defects of binocular cortical function related to inherited motor defects and developmental defects (strabismus, amblyopia and binocular vision abnormalities), abnormalities of the accommodative mechanism and the

decompensation of normal binocular operation to a symptomatic state). The student will be encouraged to incorporate information from literature that relates animal research to clinical responses in the field of plasticity and demonstrate the significance of the information in the management strategies selected for case studies.

### ORTH 5026 **Ocular Pathology B**

Old code 14529X. 5 credit points. **Semester**: 2. **Prerequisite**: Ocular Pathology A ORTH 5023 (14526/14526X), Professional Experience 1A ORTH 5024 (14527/14527X).

The student will study the most recent aspects related to the clinical presentation of patients with cataract and glaucoma including evidence based practice in the areas of investigation and treatment of these conditions. Aspects related to new research into the detection and management of these conditions will be studied, including critical analysis of results from clinical trials. This unit will include a significant section on automated perimetry and its analysis. The anterior segment of the eye will also be studied.

### ORTH 5027 **Professional Experience 1B**

Old code 14530X. 4 credit points. **Semester**: 2. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Binocular vision and Strabismus B ORTH 5025 (14528/14528X), Professional Experience 1A ORTH 5024 (14527/14527X).

This unit provides the student with clinical experience in investigation of intermittent and constant concomitant deviations – including history taking, testing visual acuity, cover testing, measuring the deviation, testing ocular movements, assessing the patient's binocular status and any control they have over the deviation, assessing retinal fixation and the effect of any other influencing factors – eg, suppression. It also provides experience in formulating management plans and communication related to patients with concomitant squint.

### ORTH 5028 **Professional Experience 1C**

Old code 14531X. 4 credit points. **Semester**: 2. **Prerequisite**: Ocular Pathology A ORTH 5023 (14526/14526X), Ocular Pathology B ORTH 5026 (14529/14529X), Professional Experience 1A ORTH 5024 (14527/14527X).

This unit provides the student with clinical experience in investigation and management of cataract, glaucoma and contact lens patients including: history taking, testing visual acuity; the investigation and management of cataract and glaucoma patients, including Humphrey fields; the contact lens regime – fitting, insertion, removal and patient education; general ophthalmic principles – subjective refraction, ophthalmoscopy, slit lamp techniques, vertometry, keratometry, minor surgical procedures and pharmacology.

### ORTH 5029 **Clinical Management of Refractive Error**

Old code 14532X. 6 credit points. **Semester**: 2. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Ocular Pathology A ORTH 5023 (14526/14526X), Professional Experience 1A ORTH 5024 (14527/14527X).

The student will study and be encouraged to critically analyse the methods of detection of refractive error, the impact on the individual, and the selection of the most appropriate method to correct the optical error – eg, single focus VS multifocal lenses in a variety of occupational situations.

### ORTH 5030 **Paediatrics**

Old code 14533X. 6 credit points. **Semester**: 1. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Binocular Vision and Strabismus B ORTH 5025 (14528/14528X), Ocular Pathology A ORTH 5023 (14526/14526X),Ocular Pathology B ORTH 5026 (14529/14529X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X).

The student will study specific testing procedures for the paediatric population with emphasis on vision assessment. Common presenting problems resulting in visual or ocular motor disorders are studied and their relationship to embryology and genetics are considered where relevant. The role of the orthoptist in vision screening programs is also studied. A variety of paediatric population will be included such as learning disabled and developmentally delayed children. The orthoptist's role in a multi-disciplinary health team will be emphasised.

### ORTH 5031 **Eye Movement Disorders**

Old code 14534X. 6 credit points. **Semester**: 1. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Binocular Vision and Strabismus B ORTH 5025 (14528/14528X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X).

Defects of the motor function of the eye will be studied, tracing the pathway from the cortex to the brain stem, through the infra nuclear pathway to the eye. The student will be encouraged to: discuss the impact of lesions within the motor pathway on the movement of the eye(s) including symptoms, clinical responses and sequelae; select appropriate tests to demonstrate the existence and extent of the motor defect and analysis of the outcomes; develop diagnostic skills and the ability to differentiate between similar but separate conditions; analyse patient responses; and develop appropriate management strategies.

Content: supra nuclear pathways, nuclear, internuclear and gaze centres, pathway from the nucleus to the orbit and orbital operation; impact of diseases such as multiple sclerosis, myastenia gravis tumours; impact of head injury including blow out fractures.

### ORTH 5032 **Geriatrics**

Old code 14535X. 6 credit points. **Semester**: 1. **Prerequisite**: Ocular Pathology A ORTH 5023 (14526/14526X),Ocular Pathology B ORTH 5026 (14529/14529X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X), Clinical Management of Refractive Errors ORTH 5029 (14532/14532X).

The content in this unit concentrates on ageing of the general body systems, with specific emphasis on the ocular system. Content will be clinically based, delivered using case studies which the student critically analyses, to reach management strategies which specifically target the geriatric patient's complex needs. The integrative of the role the orthoptist in the investigation and management of age related ocular pathology will be presented. This will include conditions such as vascular, neurological, complex ophthalmic disorders and vision impairment. The supporting specific clinical investigation techniques of neuro ophthalmology will also be included.

### ORTH 5033 **Professional Development**

Old code 14536X. 6 credit points. **Semester**: 1. **Assumed knowledge**: Broad body of knowledge and clinical experience in orthoptics and ophthalmology, from completing earlier units of study. **Prerequisite**: Developing a Research Project BACH 5268 (2558A/2558aX).

This unit will permit the student to carry out an independent learning project by learning contract. The topic may be one relevant to the practice of orthoptics or in an area which the student has developed a particular interest. Students will be encouraged to use this unit as preparation for the unit of study Research Project.

### ORTH 5034 **Advanced Orthoptic Practice**

Old code 14537X. 6 credit points. **Semester**: 2. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Binocular Vision and Strabismus B ORTH 5025 (14528/14528X), Ocular Pathology A ORTH 5023 (14526/14526X),Ocular Pathology B ORTH 5026 (14529/14529X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X), Clinical Management of Refractive Errors ORTH 5029 (14532/14532X).

Clinical conditions with ocular disease or ocular motility disorders will be studied. Cases will be selected to challenge the student to apply recent outcomes identified in literature (clinical trials and epidemiological studies) relating to incidence of conditions, clinical investigation and treatment. Students will be encouraged to analyse the clinical responses and develop relevant treatment guidelines based on evidence and clinical reasoning. Content will include ophthalmic disease and complex systemic conditions, such as diabetes, stroke, thyroid disease; traumatic conditions such as head injury, blow out fractures.

### ORTH 5035 **Professional Experience 2A**

Old code 14538X. 4 credit points. **Semester**: 2. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Binocular Vision and Strabismus B ORTH 5025 (14528/14528X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X), Clinical Management of Refractive Errors ORTH 5029 (14532/14532X), Paediatrics ORTH 5030 (14533/14533X), Eye Movement Disorders ORTH 5031 (14534/14534X).

This unit provides the student with clinical experience in investigation of incomitant squint. This includes intermittent, constant, congenital, acquired, neurogenic and mechanical conditions. It also provides experience in formulating

management plans and communication related to patients with incomitant squint.

### ORTH 5036 **Professional Experience 2B**

Old code 14539X. 4 credit points. **Semester**: 2. **Prerequisite**: Ocular Pathology A ORTH 5023 (14526/14526X),Ocular Pathology B ORTH 5026 (14529/14529X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X), Clinical Management of Refractive Errors ORTH 5029 (14532/14532X).

This unit provides the student with advanced clinical experience in the ophthalmic setting. Students will be given higher levels of responsibility than previously experienced in the ophthalmic setting – eg, involvement in practice administration and management, pre and post operative patient education, assistance in minor surgical procedures.

### ORTH 5037 **Professional Experience 2C**

Old code 14540X. 4 credit points. **Semester**: 2. **Prerequisite**: Professional Experience 2A ORTH 5035 (14538/14538X), Professional Experience 2B ORTH 5036 (14539/14539X), Clinical Management of Refractive Error ORTH 5029 (14532/14532X), Paediatrics ORTH 5030 (14533/14533X), Geriatrics ORTH 5032 (14535/14535X), Eye Movement Disorders ORTH 5031 (14534/14534X).

This unit provides the student with advanced clinical experience in the rehabilitation setting, particularly with patients who have limited communication.. Students will gain experience in a variety of rehabilitation settings including brain injury, vision impairment and developmental disability. Students will participate with the supervising clinician as a member of the multi-disciplinary team.

### ORTH 5038 **Research Project**

Old code 14541X. 6 credit points. **Semester**: 2. **Prerequisite**: Binocular Vision and Strabismus A ORTH 5022 (14525/14525X), Binocular Vision and Strabismus B ORTH 5025 (14528/14528X), Ocular Pathology A ORTH 5023 (14526/14526X),Ocular Pathology B ORTH 5026 (14529/14529X), Professional Experience 1A ORTH 5024 (14527/14527X), Professional Experience 1B ORTH 5027 (14530/14530X), Professional Experience 1C ORTH 5028 (14531/14531X), Clinical Management of Refractive Errors ORTH 5029 (14532/14532X), Developing a Research Project BACH 5268 (2558A/2558AX), Professional Development ORTH 5033 (14536/14536X), Professional Experience 2A ORTH 5035 (14538/14538X), Professional Experience 2B ORTH 5036 (14539/14539X), or Professional Experience 2C 5037 (14540/14540X).

This unit provides the student with the opportunity to carry out a small, supervised research project, either individually or in a group. Drawing on learning gained in Developing a Research Project and Professional Development, the student will formulate a research question and conduct a pilot study on the topic.

### ORTH 6006 **Research Thesis**

Old code 14602. 12 credit points. **Semester**: 1.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

### ORTH 6007 **Research Thesis**

Old code 14603. 24 credit points. **Semester**: 2.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

### ORTH 6008 **Research Thesis**

Old code 14604. 24 credit points. **Semester**: 1, 2.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

### ORTH 6009 **Research Thesis**

Old code 14605. 12 credit points. **Semester**: 1, 2.

The research thesis forms the major component of the program. Students are given the opportunity to investigate in depth an area of specialised interest in orthoptics or a closely related unit. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

Thesis seminars will form an integral part of the program. They will provide a forum for the students to present progress reports on their research and will encourage the free exchange of critical comment on theoretical constructs, methodologies and analysis of results. These seminars will be developed both within the School of Orthoptics and the wider context of postgraduate seminars of the Faculty of Health Sciences.

# School of Behavioural and Community Health Sciences

## ■ Graduate Certificate of Health Science (Behavioural Science)

and

## ■ Master of Health Science (Behavioural Science)

These courses provide students with the opportunity to extend their undergraduate training by providing them with flexible pathways (streams) for professional development. There is an opportunity to develop knowledge and vocational skills in any of the following streams or any combination of the following streams: counselling, organisation and management studies, occupational health, international health, health policy, gerontology, education, research methods and information technology.

For the Graduate Certificate there are no core units. However, students are strongly encouraged to enrol in BACH 5186 Graduate Skills for Professional Development. For the Master's there are no core units specified. However, all Masters' students are required to do one research elective. For both coursework programs at least 50 percent of the coursework electives must be in Behavioural Science. Electives in the education stream are not classed as Behavioural Science electives. Electives are chosen by students in consultation with the Program Coordinator.

International students and participants undertaking the Masters Program who don't have a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate Skills for Professional Development in their first semester of enrolment.

The courses are offered on a full-time or part-time basis. Some of the course requirements may be completed entirely off-campus, though not all units of study may be available by distance mode. Students should consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening), workshops, seminars, independent study and/or contract learning.

Students must complete four units for the Graduate Certificate of Health Science (Behavioural Science). Students must complete eight units for the Master of Health Science (Behavioural Science) Pass course. Masters students wishing to take the award with honours will also complete a dissertation in semester three (full-time enrolment) or part-time equivalent. For students seeking registration with the NSW Psychologists' Registration Board the Master of Health Science (Behavioural Science) is an approved fourth year course. However, 80 per cent of electives chosen need to be psychology electives. Check with the Postgraduate Coordinator which electives meet this criteria.

Students who do not complete all requirements for the Master of Health Science (Behavioural Science) may be able to exit with the award of Graduate Diploma of Health Science (Behavioural Science) with successful completion of 36 credit points, or with the award of Graduate Certificate of Health Science (Behavioural Science) with successful completion of at least 24 credit points. Students who are not qualified to enrol in the Master's degree may, upon approval of the Postgraduate Committee, be permitted to enrol in the Graduate Certificate. Conditional to satisfactory performance, students may be able to articulate to the Master of Health Science (Behavioural Science) coursework program.

### Admission requirements

In order to qualify for admission to both coursework programs, applicants shall have:

i) A Bachelor degree with a major in anthropology, sociology or psychology; or
ii) A Bachelor degree in social work; or
iii) An approved Bachelor degree in a health profession with satisfactory performance in Behavioural Sciences; or Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii). Applicants in the above categories may be required to complete any additional qualifying units prescribed by the Faculty of Health Sciences.

Articulation into the Master of Health Science (Behavioural Science) Honours course is contingent upon the student achieving an overall credit average and distinction in at least two units of study in the Master of Health Science (Behavioural Science) Pass course.

### Course outlines

The course outlines for graduate coursework studies in Behavioural Science are presented in Tables 19.8, 19.9 and 19.10.

See information following Table 19.20 for elective streams and refer to end of this chapter for unit descriptions. See Chapter 21 for Faculty electives and Research electives.

Table 19.8: Graduate Certificate of Health Science (Behavioural Science)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2544: full-time, minimum 0.5 year or 1 semester<br>Course code 2545: part-time, minimum 1 year or 2 semesters<br>Course code 2584: off-campus (0.5 to 1 year)<br>Award total: 24 credit points | | | |
| **Full-time mode** | | | |
| **■ Year 1 (see note)** | | | |
| 4 Electives (6 credit points each) | | | 24 |
| **Part-time mode** | | | |
| **■ Year 1 (see note)** | | | |
| 4 Electives (6 credit points each) | | | 24 |

**Note**
Generally these electives are taken from elective streams following Table 19.20.

Table 19.9: Master of Health Science (Behavioural Science) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2540: full-time, minimum 1 year<br>Course code 2541: part-time, minimum 2 years<br>Course code 2575: off-campus (1 to 2 years)<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **■ Year 1** | | | |
| Research elective | | | 6 |
| 7 Electives (see note) (6 credit points each) | | | 42 |
| **Part-time mode** | | | |
| **■ Year 1** | | | |
| Research elective | | | 6 |
| 3 Electives (see note) (6 credit points each) | | | 18 |
| **■ Year 2** | | | |
| 4 Electives (see note) (6 credit points each) | | | 24 |

**Note**
Generally electives are taken from elective streams following Table 19.20.

Table 19.10: Master of Health Science (Behavioural Science) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2557: Honours, full-time 1.5 years<br>Course code 2558: Honours, part-time 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per pass course | | | |
| ■ **Year 2** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Year 1 and Year 2** | | | |
| As per pass course | | | |
| ■ **Year 3** | | | |
| Students must complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a grade of Distinction. | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

# ■ Master of Applied Science (Behavioural Science) by Research

The Master of Applied Science research program allows students to gain extensive research knowledge in the disciplines of psychology, sociology, and anthropology and their application to health behaviour, and health issues. The program aims to produce health professionals who can conduct culturally relevant, scientific, and methodologically sound research. It is aimed at those who have some research experience, and who wish to further their studies by independent research. There may be a coursework component required which develops vital research skills including qualitative and quantitative data analysis, and electives chosen by the student in consultation with the supervisor to provide an interdisciplinary focus for the research thesis.

### Admission requirements

In order to qualify for the Research Master's Program applicants shall have:

(i) A Bachelor degree with a major in anthropology, sociology or psychology; or
(ii) A Bachelor degree in social work; or
(iii) An approved Bachelor degree in a health profession with satisfactory performance in Behavioural Sciences; or
(iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii). Applicants in the above categories may be required to complete any additional qualifying units prescribed by the Faculty of Health Sciences.

### Course outline

The course outline for the Master of Applied Science (Behavioural Science) by Research is presented in Table 19.11.

### BACH 9004 (25930) Special Program for Qualifying Students

The Special Programs are not units in the normal sense and do not necessarily involve a common syllabus and should not be compared between individual cases.

***A. Research Electives***

See Chapter 21.

***B. Research Thesis A/Research Thesis B***

(For unit numbers please refer to Table 19.12)
A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the student's supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

***C. Contract Based Elective Studies: Areas of Supervisory Expertise***

6 credit points
Students may be required to undertake elective studies in consultation with their supervisor. The semester in which these units are likely to be offered and its unit descriptions are indicated in Chapter 21.

Table 19.11: Master of Applied Science (Behavioural Science) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2537: Special Program (for Master's Qualifying Students)<br>Course code 2538: full-time, minimum 1.5 years, maximum 2 years<br>Course code 2539: part-time, minimum 3 years, maximum 4 years<br>Course code 2556: off-campus (1.5 to 4 years) | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| Research elective | | | |
| **BACH 6037** | *25636* | Research Thesis | |
| **BACH 6038** | *25637* | Research Thesis | |
| ■ **Year 2 (and subsequent years)** | | | |
| **BACH 6038** | *25637* | Research Thesis | |
| **BACH 6039** | *25638* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| Research elective | | | |
| **BACH 6041** | *25640* | Research Thesis | |
| ■ **Year 2 (and subsequent years)** | | | |
| **BACH 6040** | *25639* | Research Thesis | |
| **BACH 6041** | *25640* | Research Thesis | |

# ■ Graduate Certificate of Health Science (Child and Adolescent Health)

and

# ■ Master of Health Science (Child and Adolescent Health)

These courses allow students who have some background in the health professions and/or relevant disciplines to gain specialised knowledge in child and adolescent health. Both coursework programs will allow students to gain contemporary knowledge in the application of psychology to child and adolescent health issues. The units aim to produce health professionals who are aware of, and can critically evaluate, and integrate into their work practice, culturally relevant, scientific, and methodologically sound research evidence in child and adolescent health. The electives give students the opportunity to develop discipline-based knowledge and research skills (including qualitative and quantitative data analysis) and an understanding of selected key issues in development and developmental psychopathology in a social and cultural context.

International students and participants undertaking the Masters Program who don't have a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate Skills for Professional Development in their first semester of enrolment.

The courses are offered on a full-time or part-time basis. Some of the course requirements may be completed entirely off-campus, though not all units of study may be available distance mode. Students should consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening), workshops, seminars, independent study and/or contract learning.

Students undertaking the Graduate Certificate must complete three Child and Adolescent Health electives, and one other elective. Graduate Skills for Professional Development is strongly recommended. Students must complete eight units for the Master of Health Science (Child & Adolescent Health) Pass course, including four Child and Adolescent Health electives and a research elective. The research elective titled Developing a

Research Project is strongly recommended. Masters' students wishing to take the award with honours will also complete a dissertation in semester three (full-time) or part-time equivalent. For students seeking registration with the NSW Psychologists' Registration Board the Master of Health Science (Child and Adolescent Health) is an approved fourth year course. However, 80 per cent of electives chosen need to be psychology electives. Check which electives meet this criteria with the Postgraduate Coordinator.

Students who do not complete all requirements for the Master of Health Science (Child & Adolescent Health) may be able to exit with the award of Graduate Diploma of Health Science (Child &Adolescent Health) with successful completion of 36 credit points, or with the award of Graduate Certificate of Health Science (Child & Adolescent Health) with successful completion of at least 24 credit points. Students who are not qualified to enrol in the Master's may, upon approval of the Postgraduate Committee, be permitted to enrol in the Graduate Certificate. Conditional on satisfactory performance, students may be able to articulate to the Master of Health Science (Child and Adolescent Health) coursework program.

### Preferred stream

For master's students, in addition to the core electives, students need to select three other electives from the list of those available in the School. However, students are encouraged to select electives from the Child and Adolescent stream where possible.

Note: Students will need to familiarise themselves with the semesters and any prerequisites that the different Child and Adolescent Health electives are offered to ensure that over the period of enrolment the required electives are completed.

### Admission requirements

In order to qualify for admission to both coursework programs, applicants shall have:

i) A bachelor degree with a major in anthropology (with satisfactory performance in at least two psychology units/ subjects at undergraduate level), sociology (with satisfactory performance in at least two psychology units/subjects at undergraduate level) or psychology; or
ii) A bachelor degree in social work (with satisfactory performance in at least two psychology units/subjects at undergraduate level); or
iii) An approved bachelor degree in a health profession with satisfactory performance in behavioural sciences; or
iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii).

Applicants in the above categories may be required to complete any additional qualifying units prescribed by the Faculty of Health Sciences.

Articulation into the Master of Health Science (Child and Adolescent Health) Honours course is contingent upon the student achieving an overall credit average and distinction in at least two units of study in the Master of Health Science (Child and Adolescent Health) Pass course.

### Course outlines

The course outlines for graduate coursework studies in Child and Adolescent Health are presented in Table 19.12, 19.13 and 19.14.

See elective streams following Table 19.20 for list of Child and Adolescent Health elective units of study. See Chapter 21 for Faculty electives and research electives.

## Table 19.12: Graduate Certificate of Health Science (Child and Adolescent Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2550: full-time, minimum 0.5 year or 1 semester<br>Course code 2551: part-time, minimum 1 year or 2 semesters<br>Course code 2581: off-campus (0.5 to 1 year)<br>Award total: 24 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (see note)** | | | |
| Elective (6 credit points) | | | |
| 3 Child and Adolescent Health electives (6 credit points each) | | | |
| **Part-time mode** | | | |
| ■ **Year 1 (see note)** | | | |
| Elective (6 credit points) | | | |
| 3 Child and Adolescent Health electives (6 credit points each | | | |

**Note**
Generally these electives are taken from elective streams following Table 19.20.

## Table 19.13: Master of Health Science (Child and Adolescent Health) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2546: full-time, minimum 1 year<br>Course code 2547: part-time, minimum 2 years<br>Course code 2582: off-campus (1–2 years)<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (see note)** | | | |
| Research elective | | | 6 |
| 4 Child and Adolescent Health electives (6 credit points each) | | | 24 |
| 3 Electives (6 credit points each) | | | 18 |
| **Part-time mode** | | | |
| ■ **Year 1 (see note)** | | | |
| Research elective | | | 6 |
| 2 Child and Adolescent Health electives (6 credit points each) | | | 12 |
| Elective | | | 6 |
| ■ **Year 2 (see note)** | | | |
| 2 Child and Adolescent Health electives (6 credit points each) | | | 12 |
| 2 Electives (6 credit points each) | | | 12 |

**Note**
Generally these electives are taken from elective streams following Table 19.20.

## Table 19.14: Master of Health Science (Child and Adolescent Health) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2562: full-time Honours, 1.5 years<br>Course code 2563: part-time Honours, 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2 (see note)** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Year 1 and Year 2** | | | |
| As per pass course | | | |
| ■ **Year 3** | | | |
| Students must complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a grade of Distinction. | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

# ■ Health Science (Education)

Health Science Education refers to the theory and practice of teaching and learning undertaken by health professionals in a variety of contexts across the health sciences, including undergraduate and postgraduate teaching and clinical education; staff development and continuing professional education; and, patient and community health education. Studies in this specialist area have been offered by the Faculty of Health Sciences since 1989.

The Health Science (Education) program is designed to give an additional professional qualification as a teacher *facilitating student learning* and as a *manager* of education programs, including *curriculum leadership* and *scholarly inquiry* into teaching and learning.

People who enrol in this program are current or aspiring teachers from medicine and the allied health fields including nursing, physiotherapy, occupational therapy, orthoptics, communication disorders, medical radiation sciences, exercise and sports science, social work, pharmacy, podiatry, dental therapy, and health information management, and the complimentary therapies including homoeopathy, chiropractic and acupuncture.

Teachers from across the health professions work as academics and tutors in universities and colleges, educational designers for flexible and distance delivery of learning, clinical teachers and supervisors in rural, remote and metropolitan fieldwork settings, nurse educators and clinical nurse specialists in public and private hospitals and the armed services, managers and training officers in human resource development units and pharmaceutical and medical supply companies, education officers in professional associations, patient educators and community health educators. Some branch out into non health roles, such as, training in the private sector and teaching in technical colleges.

The extent of the interdependence between education and health is illuminated by Tones' (1987) well known phrase 'Education for Health'. This succinctly captures why education is congruent with the nature of service delivery and has resulted in the professionalisation of teaching across the health sector. In keeping with the diversity of teaching possibilities, the Health Science (Education) program is designed to enable career portability between the different fields of education; in turn, this promotes common cause amongst educators across the health arena.

The curriculum is conceptualised around a professional practice model of teaching derived from the key roles an educator has in any educational institution or health service organisation, and the competencies required to undertake these roles effectively through scholarship and best practice.-

All units of study assume participants will have diverse requirements depending on their teaching role, type of workplace, and likely target population of learners. The curriculum is designed to be inclusive of international contexts whether you are an international student or an Australian national working off shore. The two core units provide a foundation in the theory of adult education and design for effective learning. The electives provide study options across four streams: university and clinical education, inservice and continuing education; technology based and distance education; patient and community health education. Assessment in all units is assignment-based and focuses on scholarship, application to authentic contexts and reflective practice. There are no examinations.

Studies maximize flexibility by offering distance delivery using print-based independent learning packages, some web resources and email support from the lecturer. Some optional workshops are offered on the Cumberland campus depending on the number of participants. Students studying offshore through Singapore Institute of Management have some face-to-face classes for the core units only. Electives available through the Master of Medical of Education use web delivery and on campus workshops on the Camperdown site. There are no residential attendance requirements. Email and web access is essential.

### Studies in university teaching for academic staff in the College of Health Sciences

The Health Science (Education) program in collaboration with the Master of Medical Education offers increased opportunity for teacher development for both new or experienced academics across the faculties that make up the College of Health Sciences at the University of Sydney. While some units of study are directed to practical skill development for promoting student learning in small and large groups, other units consider more complex pedagogical issues, such as teaching clinical reasoning or facilitating problem-based learning. All units engage academics with the process of scholarly inquiry in the pursuit of enhancing quality in student learning. The option to undertake 6 or 12 credit point negotiated projects provides participants with a unique opportunity to develop some aspect of their teaching with mentoring and support from experienced educational developers who are contextually informed academics and colleagues. Examples of such projects include, designing a unit of study, managing and mapping constructive alignment, building an effective assessment protocol, undertaking a significant review of the literature, preparing a paper for publication in a professional journal, introducing some innovative approach to teaching and learning, or transforming a unit of study or curriculum from one mode of delivery to another.

As part of the cross-College collaborative learning initiative, credit is given for units of study completed by academic staff from the Faculty of Health Sciences through the Master of Medical Education (Faculty of Medicine). Credit is also available for units of study undertaken as part of the Graduate Certificate in Educational Studies (Higher Education) (Faculty of Education and Institute of Teaching and Learning).

For further information about Graduate Studies in Health Science (Education) visit the Web site at www.fhs.usyd.edu.au/bach/hse/.

# ■ Structure of the Awards – Health Science (Education)

The Health Science (Education) program is structured as a three stage masters in which each of the earlier stages offers a linked award. This articulated format enables a participant to enrol in the award that best meets individual needs. Enrolment might be directly into the masters or start with the graduate certificate.

| Course Award | Units of study | Credit points |
|---|---|---|
| Graduate Certificate | 4 units | 24 |
| Graduate Diploma | 6 units | 36 |
| Masters | 8 units | 48 |
| Honours (Option ) | 10 units | 60 |

### Admission requirements

In order to qualify for admission to the either the Graduate Certificate, Graduate Diploma or Master degree, applicants shall:

(i) hold a Bachelor degree in a health sciences field or other relevant area; or

(ii) have such professional qualifications and/or experience that will satisfy the Faculty; or

(iii) have a minimum of one year's full-time professional experience.

Current or recent experience in teaching is considered desirable.

Midyear enrolment is an option.

Admission for all students will be contingent on availability of student places.

### Level of entry

Students elect their level of entry according to their study goals. Most students enter at the level of Masters. Some students enter at the Graduate Certificate level and choose the option to articulate to the Masters at a later date. The Graduate Diploma is available as an early exit option from the Master's program. Participants may enrol directly into this award but note it does not meet the requirements of full time study as the second semester, requiring only two units of study, is only equivalent to a part time load.

### Articulation to a higher award

Participants wishing to transfer (or articulate) from the Graduate Certificate or the Graduate Diploma to the Masters should complete a Course Application form and submit this to the Head of School by 30 October. Participants with non graduate entry will need to achieve a credit average to be eligible for articulation from the Graduate Certificate to the Graduate Diploma or Masters.

### Early exit

A participant who elects to exit early from a higher articulated award must satisfactorily complete the credit point requirements for the lesser award.

### Honours

On successful completion of the Masters program students may apply for admission to the Master of Health Science Education (Honours).

### Course outline

The course outline for each award is described in the following tables. Units of study are described later in this chapter. Educational electives available in semesters 1 and 2 are listed following Table 19.20. Faculty electives can be found in Chapter 21.

## Table 19.15: Graduate Certificate of Health Science (Education)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2529: Full-time, 1 semester<br>Course code 2530: Part-time, 2 semesters<br>Course code 2522: Off-campus, 2 semesters<br>Award total: 24 credit points (minimum)<br>NB: Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes. | | | |
| **Full-time mode** | | | |
| **BACH 5001**[1] | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| 2 Electives[2] | | | 12 |
| **Part-time mode** | | | |
| **BACH 5001**[1] | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| 2 Electives[2] | | | 12 |

### Notes

1. Adult Learning must be undertaken in the first semester of entry to the program.
2. Participants undertake to study two (2) professional electives of 6 credit points. Generally these electives are taken from List A or List B following Table 19.20.

## Table 19.16: Graduate Diploma of Health Science (Education)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2528: part-time, 3 semesters<br>Course code 2523: off-campus, 3 semesters<br>Credit points: 36 (minimum)<br>NB: Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes. | | | |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| 2 Electives[2] | | | 12 |
| ■ **Year 2** | | | |
| 2 Electives[2] | | | 12 |

### Notes

1. Adult Learning must be undertaken in the first semester of entry to the program.
2. Participants undertake to study two electives of 6 credit points. Generally these electives are taken from List A or List B following Table 19.20.

## Table 19.17: Master of Health Science (Education) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2525: full-time, 1 year on-campus<br>Course code 2526: part-time, 2 years on-campus<br>Course code 2524: off-campus, 2 years<br>Credit points: 48 (minimum)<br>NB: Campus based students may be required to undertake the guided self-paced study option if the unit in which they are enrolled has insufficient numbers for regular classes. | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| 6 Electives[2] | | | 36 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| 2 Electives[2] | | | 12 |
| ■ **Year 2** | | | |
| 4 Electives[2] | | | 24 |

### Notes

1. Adult Learning must be undertaken in the first semester of entry to the program.
2. Participants undertake to study two (2) electives of 6 credit points. Generally these electives are taken from List A or List B following Table 19.20.

## Table 19.17.1: Master of Health Science (Education) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2564: Honours full-time, 1.5 years<br>Course code 2565: Honours part-time, 2.5 years<br>Course code 2566: Honours off-campus, 2.5 years<br>Award total: 60 credit points (minimum) | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

# ■ Master of Applied Science (Education) by Research

This course is designed to provide participants with the opportunity to undertake research into the process of teaching and learning in their professions. Graduates from this course will be able to undertake research in education and also contribute to research activities in their professional field.

### Admission requirements

i) A bachelor degree at honours level in a health science field or other relevant area; or
ii) A bachelor degree in a health science field or other related area; or
iii) submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
iv) have completed at least two years full-time work in their professional field; and
v) have completed a minimum of one year's full-time experience in an educational role. Students with Honours level entry can apply for advanced standing in relevant research units. All qualifying requirements must be completed before enrolment in this Master's course.

Note: Applicants with a bachelor degree at pass level must demonstrate the necessary preparation in education and research including completion of studies in education normally to the level of graduate diploma. Applicants with a Bachelor degree at honours level may be required to complete studies in education normally to the level of graduate diploma.

### Course outline

The course outline for the Master of Applied Science (Education) by Research is presented in Table 19.18.

Table 19.18: Master of Applied Science (Education) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2506: full-time, minimum 1.5 years, maximum 2 years | | | |
| Course code 2507: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **BACH 6002** | *25601* | Research Thesis | |
| **BACH 6003** | *25602* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **BACH 6002** | *25601* | Research Thesis | |
| **BACH 6003** | *25602* | Research Thesis | |

# ■ Master of Health Science (Gerontology)

This course offers professional development for practitioners whose work requires understanding of individual and population ageing. Graduates are equipped to occupy senior positions in management, policy, planning, education, research, clinical or other service delivery settings. Flexible pathways of learning enable participants to select the combination of specialist knowledge and skills which meets their individual needs.

The course structure reflects the need for professionals to understand the theoretical basis of gerontology and its application in specialised areas of knowledge about ageing and older people. To this end, participants undertake one core unit of study (Introduction to Gerontology) and a choice of specialist electives in Gerontology (to a total of at least 18 credit points). Participants may choose additional units from other award programs offered by the School in areas such as counselling, management, policy and planning, education, research methods, information technology, and international health. Participants should discuss their program of study options with the Course Coordinator.

Note: International students and participants without a recent background in higher education and/or experience with information technology are strongly advised to undertake the unit Graduate Skills for Professional Development in their first semester of enrolment.

The course is offered on a full-time or part-time basis. Course requirements may be completed entirely off-campus, though not all elective units of study may be available in distance mode. Prospective off-campus students should consult the individual unit of study descriptions. There is considerable flexibility in arrangements for on-campus study. An individual program of study may involve some combination of classes (usually in the evening),workshops, seminars, independent study and/or contract learning.

Participants who do not complete all requirements for the Master of Health Science (Gerontology) may be able to exit with the award of Graduate Diploma of Health Science (Gerontology) with successful completion of at least 36 credit points or with the award of Graduate Certificate of Health Science (Behavioural Science) with successful completion of at least 24 credit points.

### Admission requirements

In order to qualify for admission to the degree, applicants shall have:

i) A Bachelor degree in an area of occupational relevance such as the health, welfare, social or biological sciences; or
ii) Overseas qualifications acceptable to the Faculty; or
iii) Other general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, as may be prescribed by Faculty.

### Course outline

The course outlines for the Master of Health Science (Gerontology) Pass course and Master of Health Science (Gerontology) Honours are presented in Tables 19.19 and 19.19.1.

Table 19.19: Master of Health Science (Gerontology) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2520: full-time,1 year | | | |
| Course code 2521: part-time, 2 years | | | |
| Course code 2533: off-campus, 2 years | | | |
| Award total: 48 credit points | | | |
| Students study a total of seven elective units; each unit is 6 credit points. At least three elective units must be chosen from the Ageing/Gerontology stream. The electives offered may vary according to staff availability and student demand. With the approval of the School, students may choose remaining electives from units within other study streams, including research electives. Elective units within different study streams are listed following Table 19.20. For a list of Faculty electives see chapter 21. | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BACH 5041** | *2551U* | Introduction to Gerontology | 6 |
| 3 Electives (6 credit points each) | | | 18 |
| **Semester 2** | | | |
| 4 Electives (6 credit points each) | | | 24 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BACH 5041** | *2551U* | Introduction to Gerontology | 6 |
| Elective | | | 6 |
| **Semester 2** | | | |
| 2 Electives (6 credit points each) | | | 12 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| 2 Electives (6 credit points each) | | | 12 |
| **Semester 2** | | | |
| 2 Electives (6 credit points each) | | | 12 |

### Table 19.19.1: Master of Health Science (Gerontology) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2567: Honours full-time,1.5 years<br>Course code 2568: Honours part-time, 2.5 years<br>Course code 2569: Honours off-campus, 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

## ■ Master of Applied Science (Gerontology) by Research

This course provides the opportunity for research in gerontology.

### Admission requirements

To qualify for admission to the Master degree by Research in gerontology applicants must:

i) have completed a Bachelor degree in an area of relevance such as health, welfare, social, behavioural or biological sciences or

ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research.

iii) Satisfy such additional requirements for admission to the program, if any, as may be prescribed.

Note: Applicants who have completed an approved Bachelor degree at Honours level may apply for admission to Year 2 of the program.

### Course outline

The course outline for the Master of Applied Science (Gerontology) by Research is presented in Table 19.20.

### Table 19.20: Master of Applied Science (Gerontology) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2508: full-time, minimum 1.5 years, maximum 2 years<br>Course code 2509: part-time, minimum 3 years, maximum 4 years<br>Course code 2561: off-campus Part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **BACH 6019** | *25618* | Research Thesis | |
| **BACH 6020** | *25619* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **BACH 6019** | *25618* | Research Thesis | |
| **BACH 6020** | *25619* | Research Thesis | |

### Behavioural and Community Health Sciences electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **Elective streams**<br>Depending on the degree program you are enrolled in you may be able to choose electives across a number of streams. Electives in all the streams listed below except for those in the Education stream are classed as Behavioural Science electives. The School offers the following streams: | | | |
| ■ **Ageing/Gerontology (00E61A)** | | | |
| **BACH 5027** | *2551G* | Mental Health in Later Life | 6 |
| **BACH 5034** | *2551N* | The Residential Care Setting and Older People | 6 |
| **BACH 5036** | *2551P* | Community Aged Care | 6 |

### Behavioural and Community Health Sciences electives (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **BACH 5038** | *2551R* | The Community Setting and Older People | 6 |
| **BACH 5041** | *2551U* | Introduction to Gerontology | 6 |
| **BACH 5058** | *2552B/ 2552BX* | Residential Care Policies and Services | 6 |
| **BACH 5147** | *2554U* | Psychology of Ageing | 6 |
| **BACH 5149** | *2554X* | Ageing and Australian Society | 6 |
| **BACH 5212** | *2556Q* | Multicultural Issues in Gerontology | 6 |
| **BACH 5216** | *2556U* | Behavioural Aspects of Ageing | 6 |
| **BIOS 5018** | *11433X* | Health, Dysfunction and Ageing | 6 |
| **BIOS 5041** | *11502X* | Biological Aspects of Ageing | 6 |
| ■ **Child and Adolescent Health (25C61A)** | | | |
| **BACH 5063** | *2552G* | Therapy with Children, Adolescents and their Families | 6 |
| **BACH 5138** | *2554K/ 2554KX* | Abnormal Psychology and Mental Health | 6 |
| **BACH 5198** | *2556C* | Contemporary Issues I | 6 |
| **BACH 5200** | *2556E/ 2556EX* | Contemporary Issues II | 6 |
| **BACH 5309** | *2559F/ 2559FX* | Psychological Assessment of Children and Adolescents | 6 |
| **BACH 5313** | *2559J/ 2559JX* | Child and Adolescent Psychology | 6 |
| ■ **Counselling (00E61A)** | | | |
| **BACH 5138** | *2554K/ 2554KX* | Abnormal Psychology and Mental Health | 6 |
| **BACH 5139** | *2554L* | Behaviour Modification and Cognitive Behavioural Therapy | 6 |
| **BACH 5143** | *2554P/ 2554PX* | Counselling | 6 |
| **BACH 5323** | *2559T* | Advanced Counselling Skills | 6 |
| **BACH 5324** | *2559V* | Psychotherapy | 6 |
| ■ **Education (00E61A)** | | | |
| **List A (normally offered in Semester 1)** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| **BACH 5020** | *25519X* | Introduction to Educational Computing | 6 |
| **BACH 5039** | *2551S/ 2551SX* | Large Group Teaching | 6 |
| **BACH 5085** | *25533/ 25533X* | Clinical Teaching and Supervision | 6 |
| **BACH 5101** | *2553J* | Flexible Distance Learning | 6 |
| **BACH 5118** | *25540/ 25540X* | Learning in Groups | 6 |
| **BACH 5128** | *2554AX* | Educational Innovation Project A (Health Science Education Only) | 6 |
| **BACH 5151** | *2555O/ 2555OX* | Independent Investigation I | 6 |
| **BACH 5153** | *25552/ 25552X* | Assessment of Learning | 6 |
| **BACH 5228** | *25576* | Computers for Teacher Productivity | 6 |
| **BACH 5284** | *2558Q* | Learning in the Workplace | 6 |
| **List B (normally offered in Semester 2)** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| **BACH 5003** | *25502/ 25502X* | Facilitating Learning | 6 |
| **BACH 5004** | *25503/ 25503X* | Educational Practice | 6 |
| **BACH 5007** | *25506/ 25506X* | Curriculum Leadership | 6 |
| **BACH 5022** | *2551BX* | Independent Investigation II | 6 |
| **BACH 5024** | *2551DX* | In-Service and Continuing Education in Health Services | 6 |
| **BACH 5025** | *2551EX* | Patient Education | 6 |
| **BACH 5037** | *2551Q* | Introduction to Health Education | 6 |
| **BACH 5042** | *2551V/ 2551VX* | Teaching Clinical Reasoning | 6 |
| **BACH 5116** | *2553Y/ 2553YX* | Developing a Web-based Education System | 6 |

### Behavioural and Community Health Sciences electives (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **BACH 5129** | *2554BX* | Educational Innovation Project B (Health Science Education Only) | 6 |
| In addition, Educational Innovation is a two semester 12 credit points elective for students undertaking a major project in their workplace. | | | |
| **■ Health Policy (OOE61A)** | | | |
| **BACH 5008** | *25507* | Health Promotion, Planning and Evaluation | 6 |
| **BACH 5070** | *2552N* | Family and Caring in the Community | 6 |
| **BACH 5148** | *2554V* | Health Policy and Social Theory | 6 |
| **BACH 5190** | *25564* | Women's Health | 6 |
| **BACH 5266** | *25588* | Ecological, Environmental and Nutritional Health | 6 |
| **BACH 5286** | *2558S* | Ethnic Minorities and Health Care in Australia | 6 |
| **BACH 5291** | *2558X/ 2558XX* | Occupational Rehabilitation | 6 |
| **BACH 5319** | *2559P* | Health, Population and Policy Development | 6 |
| **■ Improving Health Systems** | | | |
| **AHCD 5048** | *07548/ 07548X* | Action Research | 6 |
| **BACH 5026** | *2551F/ 2551FX* | Special Investigation | 6 |
| **BACH 5074** | *2552RX* | Reflective Inquiry in Practice | 6 |
| **BACH 5326** | *2559X/ 2559XX* | Improving Health Systems | 6 |
| **BACH 5328** | *2559Z/ 2559ZX* | Evaluating Health Interventions | 6 |
| Note: Improving Health Systems electives may be taken sequentially to support an extended workplace learning project. | | | |
| **■ Information Technology** | | | |
| **BACH 5061** | *2552E* | Statistical Analysis with SPSS | 6 |
| **BACH 5208** | *2556M* | Introduction to Computers & the Internet | 6 |
| **■ International Health** | | | |
| **BACH 5174** | *2555N* | Social Theory and Special Groups | 6 |
| **BACH 5196** | *2556A/ 2556AX* | International Health: Sociological Analysis | 6 |
| **BACH 5306** | *2559C/ 2559CX* | Health Risk Management (International Perspectives) | 6 |
| **■ Occupational Health** | | | |
| **BACH 5164** | *2555D* | Occupational Health | 6 |
| **BACH 5291** | *2558X/ 2558XX* | Occupational Rehabilitation | 6 |
| **BACH 5305** | *2559B/ 2559BX* | Risk Management and Rehabilitation Policy | 6 |
| **■ Organisation and Management Studies** | | | |
| **BACH 5224** | *25572/ 25572X* | Organisational Management | 6 |
| **BACH 5226** | *25574* | Organisational Structures in Health Contexts | 6 |
| **BACH 5290** | *2558W/ 2558WX* | Organisational Psychology | 6 |
| **■ Research electives (6 credit points)** | | | |
| **BACH 5011** | *25510* | Survey Research Methods | 6 |
| **BACH 5253** | *2557V* | Intermediate Statistics | 6 |
| **BACH 5255** | *2557X* | Qualitative Research Methods | 6 |
| **BACH 5256** | *2557Y* | Multivariate Statistics | 6 |
| **BACH 5268** | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **BACH 5298** | *25594* | History & Philosophy of Scientific Methodology | 6 |
| **BACH 5300** | *25596* | Action Research | 6 |
| **BACH 5302** | *25598* | Epidemiological Research | 6 |
| **BACH 5327** | *2559YX* | Internet Research | 6 |
| **BACH 5328** | *2559Z/ 2559ZX* | Evaluating Health Interventions | 6 |
| **BACH 5329** | *255A2* | Introduction to SAS | 6 |
| **■ Other** | | | |
| **BACH 5141** | *2554N* | Cognitive Function in Neurological Disorders | 4 |
| **BACH 5165** | *2555E* | Post Trauma Stress | 6 |

### Behavioural and Community Health Sciences electives (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **BACH 5180** | *2555T* | Stress and Illness | 6 |
| **BACH 5186** | *25560* | Graduate Skills for Professional Development | 6 |
| **BACH 5321** | *2559RX* | Psychology for Graduate Students | 6 |
| **BACH 5322** | *2559S/ 2559SX* | Sociology for Health Professionals | 6 |

## ■ Graduate Diploma in Rehabilitation Counselling

This course offers professional development for students wishing to add to their existing qualifications in social sciences or health sciences. Graduates attain professional status as a rehabilitation counsellor and as such work with persons with disability or disadvantage to enable them to be a more active member of the community. The client's vocational, psychological, social and medical needs are reviewed and appropriate rehabilitation plans are implemented. This course can be completed on a one-year full-time basis or over a longer period via the off-campus (distance education) mode.

### Admission requirements

In order to qualify for admission to the Graduate Diploma in Rehabilitation Counselling course, applicants must:

i) have completed a Bachelor degree in an appropriate area other than rehabilatation counselling or
ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Academic Board that the applicant possesses the educational preparation and capacity to undertake the coursework requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Academic Board; and
iii) It is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.

### Course outline

The course outline for the Graduate Diploma in Rehabilitation Counselling is presented in Table 19.21.

### Table 19.21: Graduate Diploma in Rehabilitation Counselling

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2571: off-campus, full time: 1 year (see note 1)<br>Course code 2572: off-campus, part time: 2 to 5 years (see note 1)<br>Award total: 48 credit points | | | |
| **Semester 1** | | | |
| **REHB 5012** | *2553KX* | Medical Aspects of Disability | 3 |
| **REHB 5043** | *255111X* | Rehabilitation Counselling A | 3 |
| **REHB 5044** | *255112X* | Vocational Development and Vocational Counselling | 3 |
| **REHB 5045** | *255113X* | Rehabilitation Theory | 3 |
| **REHB 5046** | *255114X* | Work Injury and Disability | 3 |
| **REHB 5047** | *255115X* | Psychosocial Aspects of Disability | 3 |
| **REHB 5048** | *255116* | Field Experience I | 3 |
| (00E31A) Professional Elective[5] | | | 3 |
| **Semester 2** | | | |
| **REHB 5049** | *255117X* | Rehabilitation Counselling B | 3 |
| **REHB 5050** | *255118X* | Client Assessment and Job Placement | 3 |
| **REHB 5051** | *255119X* | Rehabilitation Case and Caseload Management | 3 |
| **REHB 5052** | *255120X* | Legal Aspects of Rehabilitation | 3 |
| **REHB 5053** | *255121X* | Workers Compensation and Rehabilitation | 3 |
| **REHB 5054** | *255122* | Field Experience II | 3 |

Table 19.21: Graduate Diploma in Rehabilitation Counselling (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| (00E32D) | | Professional Elective[5] | 3 |
| (00E32E) | | Professional Elective[5] | 3 |

### Notes

1. Entry is in First or Second Semester. Part-time students may select from the total units offered, keeping in mind that some Semester 1 units are prerequisites for some Semester 2 units (as outlined below).
2. REHB 5043 (255111) Rehabilitation Counselling A is a prerequisite to REHB 5049 (255117) Rehabilitation Counselling B.
3. REHB 5044 (255112) Vocational Development and Vocational Counselling is a prerequisite to REHB 5050 (255118) Client Assessment and Job Placement and to REHB 5051 (255119) Rehabilitation Case and Caseload Management.
4. Field Experience includes two 5-week (total 385 hours) block placements at separate agencies, complemented by pre and post-placement tutorials. The first placement is usually taken in the mid-year inter-semester break, the second towards the end of Semester 2 and into the end-of-year break. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.
5. Students choose from the following professional electives:

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **REHB 5014** | *2553LX* | Rehabilitation and Substance Abuse | 3 |
| **REHB 5022** | *2553P* | Rehabilitation of Persons with Acquired Brain Injury | 3 |
| **REHB 5034** | *2553V* | Rehabilitation and Post-Traumatic Stress Disorders | 3 |
| **Semester 2** | | | |
| **REHB 5016** | *2553MX* | Rehabilitation of Public Offenders | 3 |
| **REHB 5020** | *25530X* | Rehabilitation and Older People | 3 |
| **REHB 5024** | *2553Q/ 2553QX* | Rehabilitation of Persons from NESB | 3 |
| **REHB 5042** | *2551CX* | Psychiatric Rehabilitation | 3 |

# ■ Master of Rehabilitation Counselling

This course can be completed on a 3 semester full-time basis or over a longer period off-campus (distance education) mode. The coursework is equivalent to that offered in the Graduate Diploma in Rehabilitation Counselling.

### Admission requirements

To qualify for direct admission to the Master degree by Coursework in rehabilitation counselling, applicants must:

(i) have completed a 4-year Bachelor degree in an appropriate area other than rehabilitation counselling with meritorious performance; or

(ii) submit such other evidence of general and professional qualifications and experience as will satisfy the Academic Board that the applicant possesses the educational preparation and capacity to undertake the coursework and dissertation requirements, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Academic Board; and

(iii) It is desirable that applicants have had experience of at least one year in some aspect of rehabilitation, either in work or on a voluntary basis.

(iv) Applicants who have completed the Graduate Diploma, within the previous 5 years, with a marks average of 80% or better, may apply to enter Stage 3 of the Master by Coursework.

### Course outline

The course outline for the Master of Rehabilitation Counselling is presented in Table 19.22.

Table 19.22: Master of Rehabilitation Counselling

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2573: full-time, 1.5 years (3 semesters) | | | |
| Course code 2574: off-campus, 3 years (6 semesters) (see note 1) | | | |
| Award total: 72 credit points | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| **REHB 5012** | *2553KX* | Medical Aspects of Disability | 3 |
| **REHB 5043**[2] | *255111X* | Rehabilitation Counselling A | 3 |
| **REHB 5044**[3] | *255112X* | Vocational Development and Vocational Counselling | 3 |
| **REHB 5045** | *255113X* | Rehabilitation Theory | 3 |
| **REHB 5046** | *255114X* | Work Injury and Disability | 3 |
| **REHB 5047** | *255115X* | Psychosocial Aspects of Disability | 3 |
| **REHB 5048**[4] | *255116* | Field Experience I | 3 |
| (00E31A) | | Professional Elective[5] | 3 |
| **Inter-semester** | | | |
| **REHB 5054** | *255122* | Field Experience II | 3 |
| **Semester 2** | | | |
| **REHB 5049** | *255117X* | Rehabilitation Counselling B | 3 |
| **REHB 5050** | *255118X* | Client Assessment and Job Placement | 3 |
| **REHB 5051** | *255119X* | Rehabilitation Case and Caseload Management | 3 |
| **REHB 5052** | *255120X* | Legal Aspects of Rehabilitation | 3 |
| **REHB 5053** | *255121X* | Workers Compensation and Rehabilitation | 3 |
| (00E32D) | | Professional elective[5] | 3 |
| (00E32E) | | Professional elective[5] | 3 |
| **Full-time mode** | | | |
| **■ Year 2** | | | |
| **Semester 1** | | | |
| **REHB 5059** | *255124* | Dissertation | 18 |
| (00R62E) | | Research elective[6] | 6 |
| **Part-time mode** | | | |
| **■ Year 3 (on completion of all other coursework units)** | | | |
| **Semester 1** | | | |
| **REHB 5057** | *255125* | Dissertation A | 9 |
| **Semester 2** | | | |
| **REHB 5058** | *255126* | Dissertation B | 9 |
| (00R61A) | | Research elective[6] | 6 |

### Notes

1. Entry is in Semester 1 or 2. Part-time students may select from the total units offered, keeping in mind that some Semester 1 units are prerequisites for some Semester 2 units (as outlined below).
2. REHB 5043 (255111) Rehabilitation Counselling A is a prerequisite to REHB 5049 (255117) Rehabilitation Counselling B.
3. REHB 5044 (255112) Vocational Development and Vocational Counselling is a prerequisite to REHB 5050 (255118) Client Assessment and Job Placement and to REHB 5051 (255119) Rehabilitation Case and Caseload Management.
4. Field Experience includes two 5-week (total 385 hours) block placements at separate agencies, complemented by pre and post-placement tutorials. The first placement is usually taken in the mid-year inter-semester break, the second towards the end of Semester 2 and into the end-of-year break. Placements are organised through the Rehabilitation Counselling Clinical Coordinator.
5. Students choose from the following professional electives:

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **REHB 5014** | *2553LX* | Rehabilitation and Substance Abuse | 3 |
| **REHB 5034** | *2553V* | Rehabilitation and Post-Traumatic Stress Disorders | 3 |
| **Semester 2** | | | |
| **REHB 5016** | *2553MX* | Rehabilitation of Public Offenders | 3 |
| **REHB 5020** | *25530X* | Rehabilitation and Older People | 3 |
| **REHB 5042** | *2551CX* | Psychiatric Rehabilitation | 3 |

6. Students select one of the units in consultation with the Course Coordinator. Some units are offered in Semester 1 and others in Semester 2. For the list of research electives, see chapter 21.

# ■ Master of Applied Science (Rehabilitation Counselling) by Research

This course provides the opportunity for research in the areas of rehabilitation counselling, and other broader areas of rehabilitation and disability.

### Admission requirements

In order to qualify for admission to the degree, applicants shall have completed:

i) a Graduate Diploma in Rehabilitation Counselling or Bachelor of Health Science (Rehabilitation Counselling); or
ii) General and professional qualifications as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies. In addition, the applicant shall satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty. The applicant shall normally have had a minimum of one year of full-time relevant work experience in a rehabilitation setting.

### Course outline

The course outline for the Master of Applied Science (Rehabilitation Counselling) by Research is presented in Table 19.23.

Table 19.23: Master of Applied Science (Rehabilitation Counselling) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2513: full-time, minimum 1.5 years, maximum 2 years<br>Course code 2514: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **REHB 6007** | *25606* | Research Thesis | |
| **REHB 6008** | *25607* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **REHB 6007** | *25606* | Research Thesis | |
| **REHB 6008** | *25607* | Research Thesis | |

# ■ Field experience and professional practice

### 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 supporting seminars, tutorials and agency visits. At least one placement is to be supervised by a practising/qualified rehabilitation counsellor. Graduate Diploma (Rehabilitation Counselling) and Masters (Rehabilitation Counselling) students are required to complete 385 hours. This includes two field placements at separate agencies, as per dates below.

Fieldwork Placements will normally occur during the normal working hours of professional Rehabilitiation Counsellors- approximately 9.00am to 5.00pm 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 placement dates – Graduate Diploma and Master of Rehabilitation Counselling

*Semester 1*
7 July to 8 August 2003
*Semester 2*
6 January to 7 March 2004

Please refer to notes for details of placement requirements and options.

# ■ Behavioural and Community Health Sciences units of study

### AHCD 5048 **Action Research**

Old code 07548/07548X. 6 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus web based.

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

### BACH 5001 **Adult Learning**

Old code 25500/25500X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: External/distance mode; independent learning packages, email and Internet support. **Assessment**: Assignment based (non exam).

In this unit participants will develop their knowledge about theories of learning, the process of learning, the role of the teacher and learner in health science education, trends in higher education and the context of health science education.

### BACH 5002 **Educational Design**

Old code 25501/25501X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1, 2. **Assessment**: Assignment-based (non exam).

Emphasis in this unit is on the development of basic skills in planning for effective teaching and learning. Participants learn planning skills by undertaking an educational design project.

### BACH 5003 **Facilitating Learning**

Old code 25502/25502X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning package; external/ distance mode. Optional three Saturday workshops. **Assumed knowledge**: Some knowledge of Adult Learning Theory and Group Dynamics useful. **Assessment**: Essay and report based (no exam).

The primary function of a teacher is the facilitation of effective learning. Micro skills of teaching and facilitation skills that enable learning from experience are both studied and practiced. The process of reflection is used to illuminate and develop personal style. Knowledge of learning in groups (group dynamics) is useful.

Distance education and on-campus mode with independent learning packages and email support. Both modes are encouraged to attend three Saturday workshops for skills practice.

**Practical**: Videoed practice of teaching skills in campus workshop or participants setting

*Textbooks*

The Skilful Teaching: On techniques, trust and responsiveness in the classroom. Brookfield, S. (1990). San Francisco: Jossey Bass.

### BACH 5004 **Educational Practice**

Old code 25503/25503X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Contract learning. **Assumed knowledge**: Educational design BACH 5002 (25501). **Assessment**: Assignment based (non exam).

Participants undertake an independent learning project in which they develop a teaching plan or product relevant to their professional setting.

Distance education and on-campus mode with email support. Directed independent learning contract including negotiated assessment.

### BACH 5007 Curriculum Leadership

Old code 25506/25506X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Prerequisite**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Assessment**: Assignment choices include essays or workplace project (no exam).

Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum innovation in the many organisations in which health science educators work.

### BACH 5008 Health Promotion, Planning and Evaluation

Old code 25507. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Attendance required. **Prerequisite**: Introduction to Health Education (08481. **Corequisite**: Introduction to Health Education (08481). **Assessment**: Assignment (2000 words and 4000 words).

*NB: Not offered in 2004*

Models for planning and evaluation are examined. Application of these to the local context is a key strategy for learning.

### BACH 5011 Survey Research Methods

Old code 25510. 6 credit points. Dr Peter Choo (02) 9351 9583 and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Contract learning; night classes.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed. This unit is usually offered on Mondays from 5–8pm.

### BACH 5020 Introduction to Educational Computing

Old code 25519X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: External/distance. **Assessment**: Assignment based (non exam).

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education. Participants will learn to apply concepts and skills of educational computing to their own educational settings, and developing a small Web site. (Some basic computer skills would be an advantage).

### BACH 5022 Independent Investigation II

Old code 2551BX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Contract learning. **Assumed knowledge**: Basic principles of adult learning and educational design are useful. **Assessment**: Negotiated.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

### BACH 5024 In-Service and Continuing Education in Health Services

Old code 2551DX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning packages for all. Email support. **Assumed knowledge**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). BACH 5284 (2558Q) Learning in the workplace is an advantage. **Assessment**: Assignment based (non exam).

This elective aims to provides opportunities for participants to explore the main challenges facing educators delivering inservice and continuing education in the 1990s. The effect of, for example, the training reform agenda, competency-based education, workplace standards, organisational constraints, and flexible delivery modes on the planning, implementation and evaluation of inservice and continuing education are explored.

### BACH 5025 Patient Education

Old code 2551EX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Some night classes for on-campus students by arrangement with lecturer. **Assumed knowledge**: Adult Learning is an advantage. **Assessment**: Assignment based (non exam).

*NB: May not be offered in 2004. Check with School.*

Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.

### BACH 5026 Special Investigation

Old code 2551F/2551FX. 6 credit points. Dr Ian Hughes. I.Hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Contract learning on- and off-campus. **Assessment**: Negotiated learning contract.

This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.

www.fhs.usyd.edu.au/bach/5026

*Textbooks*

www.fhs.usyd.edu.au/bach/5026

### BACH 5027 Mental Health in Later Life

Old code 2551G. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Independent learning package; external/distance mode. **Assessment**: Two assignments.

The unit aims to provide a broad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

### BACH 5034 The Residential Care Setting and Older People

Old code 2551N. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; external/distance mode. **Assessment**: Three assignments.

This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff. 3 Modules: Quality of life in residential care; Working in residential care; Managing for quality in residential care.

*Textbooks*

www.fhs.usyd.edu.au/bach/5034

### BACH 5036 Community Aged Care

Old code 2551P. 6 credit points. Assoc Professor Cherry Russell, c.russell@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: web based off-campus mode. **Assessment**: continuous.

This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of 'deinstitutionalisation' as a defining feature of contemporary health policy and explores its intended and unintended consequences. It provides opportunity for students to focus on one or more topics of individual interest (eg, a particular service type or practice issue, elder abuse, social isolation, homelessness).

*Textbooks*

www.fhs.usyd.edu.au/bach/5036

### BACH 5037 Introduction to Health Education

Old code 2551Q. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning packages and email support. **Assessment**: Assignment based (non exam).

*NB: Not offered in 2004*

International perspectives, theories and models for health education are explored. Ways these translate into local strategies for intervention are examined.

Independent learning packages and email support.

### BACH 5038 The Community Setting and Older People

Old code 2551R. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web based learning see www.fhs.usyd.edu.au/bach/5038; external/distance mode. **Assessment**: Three assignments.

This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

*Textbooks*

www.fhs.usyd.edu.au/bach/5038

### BACH 5039 Large Group Teaching

Old code 2551S/2551SX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package; external/distance mode (no classes), email support. **Assumed knowledge**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Assessment**: Assignment based (non exam).

Large group teaching is a common method of education. Doing it well is a challenge. In this unit participants will increase their knowledge and skills about ways to work with large groups more effectively.

### BACH 5041 Introduction to Gerontology

Old code 2551U. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; off campus mode. **Assessment**: Three assignments.

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of

ageing at the level of individuals and of populations. 3 Modules: Population ageing and public policy; Understanding health and ageing; Ageing, society and professional practice.

*Textbooks*

Australia's New Aged. McCallum, J Geiselhart, K. (1996). Allen & Unwin.

www.fhs.usyd.edu.au/bach/5041

### BACH 5042 **Teaching Clinical Reasoning**

Old code 2551V/2551VX. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non-exam).

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

*Textbooks*

Clinical Reasoning in the Health Professions. 2nd Edition. Higgs, J. & Jones, M. (2000). Butterworth Heinneman.

### BACH 5058 **Residential Care Policies and Services**

Old code 2552B/2552BX. 6 credit points. A/Prof Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web based off-campus mode.

This unit provides an overview of the development and implementation of residential care policies for older Australians and explores specific issues in the delivery of residential aged care services.

*Textbooks*

www.fhs.usyd.edu.au/bach/5058

### BACH 5061 **Statistical Analysis with SPSS**

Old code 2552E. 6 credit points. Dr Peter Choo (02) 9351 9583 and Ms Karen Pepper (02) 9351 9589. **Semester**: 1, 2. **Classes**: Contract learning including a small number of on-campus. **Assessment**: Practical assignments.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.

*Textbooks*

SPSS Analysis Without Anguish, Coakes, S.J. & Steel, L.G. (1999)

### BACH 5063 **Therapy with Children, Adolescents and their Families**

Old code 2552G. 6 credit points. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract learning. **Assessment**: Assignments.

Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.

*Textbooks*

SPSS Analysis Without Anguish. Coakes, S.J. & Steed, L.G. (1999).

### BACH 5070 **Family and Caring in the Community**

Old code 2552N. 6 credit points. Dr Rosemary Cant (02) 9351 9560. **Semester**: 2. **Classes**: On campus and off campus block mode. **Assessment**: Contribution to tutorials and group work and an individual final report.

This unit of study examines family and community care within the context of social, economic and political processes and structures. The social basis of community care is considered together with an analysis based on a systems approach to understanding family processes when caring work is extensive. The ecological approach locates these families within their social contexts. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are conductive to the provision of reliable and effective family community care? The nature of community and aspects of Australian community studies relevant to issues of care are considered. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health area.

### BACH 5074 **Reflective Inquiry in Practice**

Old code 2552RX. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Web based. **Assessment**: Continuous.

*NB: Internet access is necessary*

In Reflective Inquiry in Practice students participate in a learning set to read, plan, implement, reflect and report on a reflective inquiry project. Participants use reflective inquiry cycles that can be applied in action learning, professional development, reflective practice, problem solving, diagnostic professional practice, continuous improvement, and action inquiry.

Reflective Inquiry in Practice is delivered through the Internet for on-campus study, distance education, workplace learning or facilitated learning. Access to the World Wide Web is essential.

*Textbooks*

www.fhs.usyd.edu.au/bach/5074

### BACH 5085 **Clinical Teaching and Supervision**

Old code 25533/25533X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non exam).

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

*Textbooks*

Faciliting Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

### BACH 5101 **Flexible Distance Learning**

Old code 2553J. 6 credit points. Dr Mary Jane Mahony (02) 9351 9754. **Semester**: 1. **Classes**: Independent learning package with one phone Conference and supported by a Web site. One optional in-person meeting on the Cumberland Campus. **Assumed knowledge**: Basic principles of adult learning and educational design. **Assessment**: Three assignments: proforma review of an existing distance/flexible learning situation, reflective journal, and proposal report. no examination.

*NB: May not be offered in 2004. Check with School.*

Participants investigate contemporary distance and flexible education, examining both policy and practice, using a systems approach. They develop their ability to select policy and practice options which best fit a set of specific client needs. As part of their studies they also investigate one or more delivery media and critically evaluate its contribution to specified teaching/learning situations.

### BACH 5116 **Developing a Web-based Education System**

Old code 2553Y/2553YX. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Web-based. **Assumed knowledge**: Basic computer skills. **Assessment**: Assignment based (non exam).

Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop WBES for their own teaching context. This unit will be offered via the World Wide Web.

*Textbooks*

Building a Web-based Education System. McCormack & Jones. (1998). Wiley

### BACH 5118 **Learning in Groups**

Old code 25540/25540X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package. Email support. **Assessment**: Assignment based (non exam).

Effectively functioning in any organisational setting is greatly enhanced by a knowledge of group dynamics. Any group interaction for the purpose of learning is more productive if likewise informed. Using the focus of the group and a series of task requirements participants gain both theoretical knowledge about the way in which group dynamics underpin small group learning and skills in facilitating the process, both as members and leaders of learning groups. Some knowledge of adult learning theory is an advantage (readings are suggested).

*Textbooks*

Various suggested

### BACH 5128 Educational Innovation Project A (Health Science Education Only)

Old code 2554AX. 6 credit points. Ms Victoria Neville (02) 9351 9118 and subject specialists where relevant. **Semester**: 1. **Classes**: Learning contract. **Assessment**: Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

Supervised project available in distance education and on campus mode (night classes) with email support.

### BACH 5129 Educational Innovation Project B (Health Science Education Only)

Old code 2554BX. 6 credit points. Ms Victoria Neville (02) 9351 9118 and subject specialists where relevant. **Semester**: 2. **Classes**: Learning contract. **Assumed knowledge**: Educational Design BACH 5002 (25501/25501X). **Assessment**: Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the second part of the project.

Supervised project available in distance and education mode with email support.

### BACH 5138 Abnormal Psychology and Mental Health

Old code 2554K/2554KX. 6 credit points. Dr Chris Lennings (02) 9351 9587. **Semester**: 1, 2. **Classes**: Contract learning (Semester 1); external/distance mode (Semester 2). **Prerequisite**: Undergraduate Psychology units. **Assessment**: Five case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural orders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSM IV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules two and three will involve learning by case studies. The unit is available in Distance Education mode in the Second Semester of each year, and is taught as a series of 6 seminars in Semester 1 of each year. Assessment requires students to complete 5 case studies and conduct a literature review.

*Textbooks*

Abnormal Psychology, 2nd Edition. Barlow (2001).

### BACH 5139 Behaviour Modification and Cognitive Behavioural Therapy

Old code 2554L. 6 credit points. Dr Mairwen Jones. **Semester**: 1. **Classes**: Contract learning. **Assessment**: Assignments and examination.

This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, directed independent study unit.

*Textbooks*

Behavior Modification What It Is and How To Do It. Martin & Pear. (1998).

### BACH 5143 Counselling

Old code 2554P/2554PX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Class attendance required (Semester 1); Distance Learning (Semester 2). **Prerequisite**: Undergraduate Psychology units. **Assessment**: Audio-tape; literature review.

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, out-placement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

*Textbooks*

The Skilled Helper. Egan, G. (2001).

### BACH 5147 Psychology of Ageing

Old code 2554U. 6 credit points. Dr Steve Cumming (02) 9351 9404, and Dr Lynn Harris (02) 9351 9162. **Semester**: 2. **Classes**: On campus, directed independent and contract learning.

This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted.

### BACH 5148 Health Policy and Social Theory

Old code 2554V. 6 credit points. Dr Ian Hughes (02) 9351 9582. **Semester**: 1, 2. **Classes**: Contract learning. On-campus mode.

This unit of study treats the relationship between self, health and health policy as a social process. Included in this process are the distribution of health & illness and implications for health care, social organisation and the management of illness, the medical model, professionalism, management of acute and chronic illness and alternatives in health care delivery. The theoretical and substantive issue covered by this unit are: classical and contemporary theories of social change, contemporary approaches to social change, evaluating public and private models of health-care delivery, health-care policy, technical changes, demographic changes, health care systems and social movements (eg, consumer rights). A key to understanding all of the above is the concept risk society. Are we living in an age of risk, or is it a post-modernist invention?

### BACH 5149 Ageing and Australian Society

Old code 2554X. 6 credit points. Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Contract learning.

A sociological analysis of ageing in Australia will lead the student to an understanding of the multiple relationships between social structures and processes, the individual experience of ageing and the position of elderly people in Australian society.

### BACH 5151 Independent Investigation I

Old code 2555O/2555OX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Contract learning. **Assumed knowledge**: Basic principles of adult learning and educational design are useful. **Assessment**: Negotiated.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

### BACH 5153 Assessment of Learning

Old code 25552/25552X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package for external/distance students. Email support. **Assumed knowledge**: Knowledge of Adult Learning and Educational Design is useful. **Assessment**: Two written assignments.

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context.

### BACH 5164 Occupational Health

Old code 2555D. 6 credit points. Dr Carol O'Donnell and Ms Kate O'Loughlin. **Semester**: 1, 2. **Classes**: Independent learning package; external distance modes. **Assessment**: Two written assignments.

This unit teaches basic management principles related to the effective implementation of the duty of care in regard to occupational health and safety. Students will gain an understanding of the legislative and policy provisions associated with occupational health and safety, workers' compensation, rehabilitation and re-training. Students will be required to gain access to a workplace and develop a prevention program proposal

based on identification of risks and provision of strategies for their control.
**Practical**: Yes

### BACH 5165 Post Trauma Stress

Old code 2555E. 6 credit points. Dr Gomathi Sitharthan (02) 9351 9584. **Semester**: 1. **Classes**: Contract learning. **Assessment**: Assignments.

This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on-campus directed independent study unit.

### BACH 5174 Social Theory and Special Groups

Old code 2555N. 6 credit points. Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 2.

This elective gives students a basic understanding of social theory. As an example of a special group which might be studied, it examines women's health in the context of social class and gender divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women's health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

### BACH 5180 Stress and Illness

Old code 2555T. 6 credit points. Dr Gomathi Sitharthan (02) 9351 9584. **Semester**: 1. **Classes**: Contract learning. **Assessment**: Assignments.

The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as relaxation, biofeedback, cognitive restructuring and time management. This is an on-campus directed independent study unit.

*Textbooks*

Stress and Health. 3rd Edition. Rice, PC. (1999). Melbourne: Brooks/ Cole Publishing Company.

### BACH 5186 Graduate Skills for Professional Development

Old code 25560. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: Contact in off-campus mode. **Assessment**: Assignments.

Participants in this unit of study will develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical analyses, formation of tables and graphs, critical literature review.There will be flexibility in selecting curriculum content to match the background and needs of the particular student.

*Textbooks*

1. The Research Student's Guide to Success. Cryer, P. (1996). Buckingham, England. Open University Press.
2. Get Great Information Fast. Germov, J. and Williams, L. (1999). Sydney: Allen and Unwin.

### BACH 5196 International Health: Sociological Analysis

Old code 2556A/2556AX. 6 credit points. Dr Zakia Hossain (02) 9351 9340 and Ms Ann Hale (02) 9351 9578. **Semester**: 2. **Classes**: Independent learning package; external/distance mode. **Assessment**: Project and assignment.

This unit aims to provide students with an understanding of psychosocial and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and life expectancy; and analyses the current health issues and health priorities in developed and developing countries.

*Textbooks*

Materials from various sources

### BACH 5198 Contemporary Issues I

Old code 2556C. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract Learning or Distance Mode. **Prerequisite**: Undergraduate Psychology units or Psychology for Graduate Students. **Assessment**: Four annotated biobliographies and one literature review.

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

*Textbooks*

Readings (supplied)

### BACH 5200 Contemporary Issues II

Old code 2556E/2556EX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract Learning/Distance. **Prerequisite**: Contemporary Issues I BACH 5198 (2556C). **Assessment**: Four critical reviews.

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment not previously studied in Contemporary Issues 1. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

*Textbooks*

Readings supplied

### BACH 5208 Introduction to Computers & the Internet

Old code 2556M. 6 credit points. Dr Peter Choo (02) 9351 9583 and Dr Zakia Hossain (02) 9351 9340. **Semester**: 1, 2. **Classes**: Contract learning. **Assumed knowledge**: Familiarity with Windows. **Prohibition**: Computing Applications for Health Practitioners BACH 3105 (253B7). **Assessment**: One ssignment.

This unit introduces the student to the use of computers for research, educational, and professional purposes. Important computer concepts will be covered, however the emphasis will be on developing practical computer skills. Skills covered will include the rudiments of computer programming; the use of popular applications such as word processors, spreadsheets and databases; and the use of the Internet as a research and communications tool.

**Practical**: 1 project

### BACH 5212 Multicultural Issues in Gerontology

Old code 2556Q. 6 credit points. Dr Zakia Hossain (02) 9351 9340. **Semester**: 1. **Classes**: Independent learning package. **Assessment**: Project.

This unit examines what it means to be old in a country whose language, expectations for aged behaviour and types of support available, differ from those of their country of origin. The impact of immigration policy and services provision will be analysed.

*Textbooks*

Materials from various sources

### BACH 5216 Behavioural Aspects of Ageing

Old code 2556U. 6 credit points. Assoc Professor Lynne Harris (02) 9351 9162. **Semester**: 1. **Classes**: Independent learning package; external/ distance mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people. See www.fhs.usyd.edu.au/bach/5216.

### BACH 5224 Organisational Management

Old code 25572/25572X. 6 credit points. Dr Barbara Adamson (02) 9351 9579 and Dr Rosemary Cant (02) 9351 9560. **Semester**: 1. **Classes**: On-campus or off-campus. **Assessment**: Continuous assessment using case study approach.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses Fayd's elements of management as a springboard for the analysis of changing functions of a successful manager.

### BACH 5226 Organisational Structures in Health Contexts

Old code 25574. 6 credit points. Dr Rosemary Cant (02) 9351 9560. **Semester**: 2. **Classes**: Contract learning.

This unit focuses on rational structuring of organisations and relates it to administrative problem solving. It 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. This unit is offered on-campus as a directed independent study unit.

### BACH 5228 Computers for Teacher Productivity

Old code 25576. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: Class attendance required; weekly classes, on-campus only. **Assessment**: Assignment based (non exam).

*NB: Not offered in 2004*

This unit provides opportunities for participants to explore and develop skills in the ways computers are used to enhance the productivity of health science educators. It focuses on the selection and use of the appropriate computer application software to create written and graphic teaching materials, create databases and spreadsheets for teaching administration purposes, search journal databases stored on CD-ROM, and the Internet.

### BACH 5253 Intermediate Statistics

Old code 2557V. 6 credit points. Dr Peter Choo (02) 9351 9583 and Dr Zakia Hossain (02) 9351 9340. **Semester**: 1, 2. **Classes**: On-campus, Night classes. **Assumed knowledge**: Basic statistics and research design. **Prerequisite**: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. **Assessment**: Written reports, written 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. This unit is usually offered on Mondays 5–8pm.

### BACH 5255 Qualitative Research Methods

Old code 2557X. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 2. **Classes**: 2 hours/week in class. Attendance required. **Assessment**: 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. This unit is usually offered on Wednesdays 4–6 pm.

**Practical**: 2 hours fieldwork

*Textbooks*

Coursework Reader

### BACH 5256 Multivariate Statistics

Old code 2557Y. 6 credit points. Dr Peter Choo (02) 9351 9583. **Semester**: 1, 2. **Classes**: Contract learning. **Prerequisite**: Intermediate Statistics (10503), or equivalent.

This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

### BACH 5263 Dissertation

Old code 25585/25585X. 12 credit points. Associate Professor Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Contract learning; external/distance mode. **Assessment**: Report.

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

### BACH 5266 Ecological, Environmental and Nutritional Health

Old code 25588. 6 credit points. Dr Carol O' Donnell (02) 9351 9580 and Dr Kaye Brock (02) 9351 9124. **Semester**: 1, 2. **Classes**: Independent learning package; distance modes. **Assessment**: Two assignments.

Human ecology is the study of the interaction of people with their environment. The aim of this unit is to provide students with a theoretical and practical understanding of health within the context of the dynamics and distribution of populations. The role of environmental factors in the health of humans will be investigated with special emphasis on nutrition.

**Practical**: Yes

### BACH 5268 Developing a Research Project

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### BACH 5284 Learning in the Workplace

Old code 2558Q. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning packages, email support and web-support. on-campus and on-campus mode (evening classes). **Assumed knowledge**: Adult Learning Theory and Educational Design. **Assessment**: Assignment based (non exam).

*NB: May not be offered in 2004. Check with School.*

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace.

(This unit may be offered by distance only if insufficient on-campus enrolments.)

*Textbooks*

Understanding Learning at Work. Boud, D. & Garrick, J. (1999). Routledge.

### BACH 5286 Ethnic Minorities and Health Care in Australia

Old code 2558S. 6 credit points. Dr Toni Schofield (02) 9351 9577. **Semester**: 1, 2. **Classes**: Contract learning.

This unit explores the health and health care experiences of Australians from non-English speaking backgrounds (NESB). It does so by examining the concept of cultural diversity in health in relation to structures of class, gender and ethnicity. The unit will be presented in contract learning mode with individual student consultations. Assessment will be an essay, and topics will be decided through negotiation between the unit coordinator and the student.

### BACH 5290 Organisational Psychology

Old code 2558W/2558WX. 6 credit points. Dr Barbara Adamson (02) 9351 9579. **Semester**: 2. **Classes**: Contract learning; external/distance 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 is offered on-campus as a directed independent study unit and is available in distance education mode.

### BACH 5291 Occupational Rehabilitation

Old code 2558X/2558XX. 6 credit points. Dr Carol O'Donnell (02) 9351 9580, and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Independent learning packages; external distance modes. **Assessment**: Two assignments (2000 words and 4000 words).

This unit will examine current issues in the provision of occupational rehabilitation to persons injured in the workplace. Recent initiatives will be examined, together with the roles of key stakeholders in the management of workers in the post-injury phase. Students will be required to interview an injured worker and evaluate the extent to which their experience after injury was consistent with good management practice, current legislative requirements and the public interest.

**Practical**: Yes

### 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

### BACH 5300 Action Research

Old code 25596. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Web based.

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceeds through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration. Students will learn how to engage in research and action to improve professional practices as twin aspects of the same prcocess. Students study through the Internet.
www.fhs.usyd.edu.au/bach/5300

*Textbooks*

www.fhs.usyd.edu.au/bach/5300

### BACH 5302 Epidemiological Research

Old code 25598. 6 credit points. Dr Kaye Brock (02) 9351 9124. **Semester**: 1, 2. **Classes**: On-campus 3 hours/week. **Assumed knowledge**: Basic research methods. **Prerequisite**: Some Undergraduate research methods. **Assessment**: Assignments and examination.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

*Textbooks*

Epidemiology in Medicine. Hennekens & Buring

### BACH 5305 Risk Management and Rehabilitation Policy

Old code 2559B/2559BX. 6 credit points. Dr Carol O'Donnell (02) 9351 9580 and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Contract learning; external/distance mode. **Assessment**: Two assignments.

Students will be taught the basic principles for continuous improvement in health related service delivery. They will produce a risk management plan related to health promotion or consumer protection, or will undertake a critical evaluation of the effectiveness of an individual's occupational rehabilitation. Particular attention will be drawn to the Australian and New Zealand Standards on Risk Management (AS / NZS 4630:1999).
**Practical**: Yes

### BACH 5306 Health Risk Management (International Perspectives)

Old code 2559C/2559CX. 6 credit points. Dr Carol O'Donnell (02) 9351 9580. **Semester**: 1, 2. **Classes**: Contract learning; external/distance mode. **Assessment**: Two assignments.

This unit aims to provide students with an understanding of the requirements of basic health risk managment in the context of the principles adopted by the World Health Organization (WHO). Basic principles of health risk management as required by relevant International Labour Organisation (ILO) Conventions and Australian legislation related to health, work and rehabilitation are also addressed. Students develop a program for controlling risks to health in a particular regional environment in the light of these international and national requirements.
**Practical**: Yes

### BACH 5309 Psychological Assessment of Children and Adolescents

Old code 2559F/2559FX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Diana Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract learning. **Prerequisite**: Psychology of Children and Adolescents. **Assessment**: Case study and literature review.

The assessment of children and adolescents requires an understanding of the course and impact that developmental factors play in cognition, personality and behaviour. It requires a capacity to utilise questionnaire as well as text-based assessment schedules. This course expects students to be aware of assessment issues such as psychometric values of testing (reliability and validity), the nature of various tests, and a capacity to interview (children, adolescents, and families).

Practical: Observation of assessment and use of psychological tests. Stidents must have a background of psychology majors and if studying by distance a local psychologist as supervisor.
**Practical**: Observation of assessment and use of psychological tests

*Textbooks*

T.B.A.

### BACH 5313 Child and Adolescent Psychology

Old code 2559J/2559JX. 6 credit points. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Prerequisite**: Undergraduate Psychology units. **Assessment**: Four tasks.

This unit will provide students with an understanding of the major theories of child and adolescent development, research methods appropriate to its study, an overview of current issues in childhood and adolescence and the applications of developmental theory to health professional practices. The focus in this unit will be on normal development.

*Textbooks*

Development of Children and Adolescents. Berger (1999).

### BACH 5319 Health, Population and Policy Development

Old code 2559P. 6 credit points. Dr Zakia Hossain (02) 9351 9340. **Semester**: 2. **Classes**: Contract learning. **Assessment**: Assignment.

This unit examines the changing population characteristics of Australia and the effect of health and well being; health delivery services and policy development. The unit provides a socio-demographic analysis of changing patterns of mortality and morbidity, nuptiality and fertility in Australia over time and their impact on policy development in particular health policy. The unit also examines Australia's population and health in a global context. The unit uses cross-cultural and cross sectional analyses in understanding the issues relevant to population change, health and policy development.

*Textbooks*

Materials from various sources

### BACH 5321 Psychology for Graduate Students

Old code 2559RX. 6 credit points. Dr Chris Lennings (02) 9351 9587. **Semester**: 1, 2. **Classes**: External/distance mode. **Assessment**: Literature review.

This subject provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour – how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. The unit is available by distance and by individual learning contract.

*Textbooks*

Pathways to Psychology. Sternberg, R. (1999).

### BACH 5322 Sociology for Health Professionals

Old code 2559S/2559SX. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1. **Classes**: External/distance mode.

The aim of this unit is to develop an understanding of basic sociological concepts and theories and their applications in analysing health issues. It also aims to develop an ability to critically examine and evaluate aspects of a familiar society in order to extend an understanding of the social structures, institutions and processes relevant to health issues. It will provide opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.
www.fhs.usyd.edu.au/bach/5322

*Textbooks*

www.fhs.usyd.edu.au/bach/5322

### BACH 5323 **Advanced Counselling Skills**

Old code 2559T. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract learning. **Assumed knowledge**: Basic counselling skills. **Prerequisite**: Counselling. **Assessment**: Case study analysis.

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The unit is taught as a series of six seminars in the semester following completion of the Counselling unit. The unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken.

*Textbooks*

Principles of Clinical and Counselling Psychology. 3rd Edition. Todd and Bohardt. 1996.

### BACH 5324 **Psychotherapy**

Old code 2559V. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract learning. **Prerequisite**: Counselling. **Corequisite**: Advanced Counselling. **Assessment**: Detailed case plan.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy, and teaches students how to develop a therapy plan and integrate assessment and practice with their clients. The unit is delivered as a series of six seminars. Assessment requires the students to develop a case plan.

*Textbooks*

Fundamental of Clinical & Counselling Psychology. 3rd Edition. Todd, C. & Bohardt (1996).

### BACH 5326 **Improving Health Systems**

Old code 2559X/2559XX. 6 credit points. Dr Ian Hughes (02) I.Hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-line. **Assessment**: Continuous. Project based assignments and participation.

The aim of this unit is to examine the process of planning, evaluating and improving projects or health services. Students will gain experience in using a variety of planning and evaluation strategies. Web based instruction. www.fhs.usyd.edu.au/bach/5326

*Textbooks*

www.fhs.usyd.edu.au/bach/5326

### BACH 5327 **Internet Research**

Old code 2559YX. 6 credit points. Dr Andrew Campbell. a.campbell@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Internet delivery for on-campus and external/distance mode. **Assumed knowledge**: Basic knowledge of research approaches and methods. **Assessment**: Project based assignments and participation.

This unit of study teaches Web-Based management strategies that focus on data collection, analysis and dissemination over the Internet, by either using the Internet as a tool, resource or topic of Investigation.

Students taking this unit of study will acquire the knowledge and skills to conduct research projects by using the Internet and will be able to effectively apply such techniques in many research and applied employment positions. www.fhs.usyd.edu.au/bach/5327

*Textbooks*

www.fhs.usyd.edu.au/bach/5327

### BACH 5328 **Evaluating Health Interventions**

Old code 2559Z/2559ZX. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Web based (may be some evening classes). **Assessment**: Continuous. Project based assignments and participation.

Researchers and professional evaluate health interventions to improve knowledge of health, disease and clinical practice, and to support decision making for improved health services. This unit will enable students to make informed choices among a range of evaluation perspectives, theories, methods and designs. www.fhs.usyd.edu.au/bach/5328

*Textbooks*

J.Ovretreit (1998) Evaluating Health Interventions, Buckingham: Open University Press. www.fhs.usyd.edu.au/bach/5328

See www.usyd.edu.au/bach/5238.

### BACH 5329 **Introduction to SAS**

Old code 255A2. 6 credit points. Dr Zakia Hossain (02) 9351 9340 and Dr Kaye Brock (02) 9351 9124. **Semester**: 1.

This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data managements and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

### BACH 6002 **Research Thesis**

Old code 25601. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Assessment**: Thesis.

Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

### BACH 6003 **Research Thesis**

Old code 25602. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Assessment**: Thesis.

Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

### BACH 6019 **Research Thesis**

Old code 25618. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1. **Classes**: Individual supervision. **Assessment**: Thesis.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular contact is maintained with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

### BACH 6020 **Research Thesis**

Old code 25619. Dr Cherry Russell (02) 9351 9129. **Semester**: 2. **Classes**: Individual supervision. **Assessment**: Thesis.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular contact is maintained with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the student's research thesis.

### BACH 6037 **Research Thesis**

Old code 25636. Dr Gomathi Sitharthan. **Semester**: 1, 2. **Classes**: On-campus and off-campus. **Assessment**: Thesis.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

### BACH 6038 **Research Thesis**

Old code 25637. Dr Gomathi Sitharthan. **Semester**: 1, 2. **Classes**: On-campus and off-campus. **Assessment**: Thesis.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend

the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

### BACH 6039 **Research Thesis**

Old code 25638. Dr Gomathi Sitharthan. **Semester**: 1, 2. **Classes**: On-campus and off-campus. **Assessment**: Thesis.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

### BACH 6040 **Research Thesis**

Old code 25639. Dr Gomathi Sitharthan. **Semester**: 1, 2. **Classes**: On-campus and off-campus. **Assessment**: Thesis.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

### BACH 6041 **Research Thesis**

Old code 25640. Dr Gomathi Sitharthan. **Semester**: 1, 2. **Classes**: On-campus and off-campus. **Assessment**: Thesis.

A supervisor will be appointed to assist the student in the conduct of the research project if approval is given for the research to be conducted. Supervision will normally involve a one-hour per week meeting with the students' supervisor. Facilities and equipment appropriate to the research will be arranged within the School as needed. Students will be required to write a major thesis documenting an original research endeavour in the area of behavioural health science. Students will be expected to attend the Postgraduate Research Symposium and to present their research proposal and their ongoing work to peer review.

### BIOS 5018 **Health, Dysfunction and Ageing**

Old code 11433X. 6 credit points. Ms Dana Strain (02) 9351 9140. **Semester**: 2. **Classes**: Directed. **Assessment**: Written assignment, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence with age of certain diseases and impairments, especially those with a tendency to become disabling and a handicap. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented from leading to further disability. The unit also provides for in-depth study of a specific aspect of individual student interest.

### BIOS 5041 **Biological Aspects of Ageing**

Old code 11502X. 6 credit points. Dr Peter Knight (02) 9351 9339. **Semester**: 1, 2. **Classes**: Independent learning package. **Assessment**: Written assignment.

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing.

## ■ Rehabilitation Counselling units of study



### REHB 5012 **Medical Aspects of Disability**

Old code 2553KX. 3 credit points. Dr Lynda Matthews. **Semester**: 1. **Classes**: Off-campus.

This unit aims to provide a background of information and knowledge which is essential for effective rehabilitation practice. It develops the students' general knowledge of the medical basis of disability, as well as giving them the opportunity to acquire specialised expertise in particular areas.

### REHB 5014 **Rehabilitation and Substance Abuse**

Old code 2553LX. 3 credit points. **Semester**: 1. **Classes**: Off-campus.

The history of use and treatment for illegal and over-the-counter drugs is presented. Students examine social attitudes to drug taking and theoretical approaches to addictive behaviour. Community therapy programs and self-help groups are discussed.

### REHB 5016 **Rehabilitation of Public Offenders**

Old code 2553MX. 3 credit points. **Semester**: 2. **Classes**: Off-campus.

The aim is to provide students with a basic understanding of the major models for explaining and researching criminal behaviour. Students are familiarised with current penal philosophies and 'corrective' programs for both adult and juvenile offenders.

### REHB 5020 **Rehabilitation and Older People**

Old code 25530X. 3 credit points. A/Prof Cherry Russell. **Semester**: 1. **Classes**: Off-campus.

The aim is to provide an understanding of population and individual ageing and its implications for the helping professions. Topics covered include: demographic ageing; ageism and social/professional values; ageing and disability; aged care services.

*Textbooks*

Readings provided.

### REHB 5022 **Rehabilitation of Persons with Acquired Brain Injury**

Old code 2553P. 3 credit points. **Semester**: 1. **Classes**: On-campus (Not offered off-campus).

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.

### REHB 5024 **Rehabilitation of Persons from NESB**

Old code 2553Q/2553QX. 3 credit points. **Semester**: 2.

*NB: On-campus attendance required on a weekly basis. Also available off-campus.*

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 5034 **Rehabilitation and Post-Traumatic Stress Disorders**

Old code 2553V. 3 credit points. Dr Lynda Matthews. **Semester**: 1. **Classes**: Off-campus.

PTSD as a clinical entity is examined and major explanatory and research models are reviewed. students explore theoretical approaches to treatment and become familiar with issues relevant to their role in rehabilitation.

### REHB 5042 **Psychiatric Rehabilitation**

Old code 2551CX. 3 credit points. Dr Lynda Matthews. **Semester**: 2. **Classes**: Off-campus.

This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of persons with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

### REHB 5043 **Rehabilitation Counselling A**

Old code 255111X. 3 credit points. Dr Sandra Bentley. **Semester**: 1. **Classes**: Off-campus.

This unit facilitates students' acquisition of the ASORC Core Competency 10: Counselling. The Ivey model of basic counselling microskills are studied and practised. Skills application in rehabilitation counsellor roles are introduced. The unit also covers some counselling theories and procedures and explores their application to the rehabilitation counselling context. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email

support. Students are required to undertake a counselling interview and self-critique as part of assessment.
**Practical**: Students are invited to attend a half-day skills workshop.
*Textbooks*
External study notes provided to all students.
Intentional Interviewing (2003) Ivey. A.
Theory and Practice of Counseling (2001) Corey. A.
student manual: theory and Practice of Counseling (2001) Corey. G.

### REHB 5044 Vocational Development and Vocational Counselling

Old code 255112X. 3 credit points. Mr Trevor Hawkins. **Semester**: 1. **Classes**: Off-campus.
The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 8, namely, Vocational Assessment and Vocational Counselling. This unit looks at the theory of vocational choice and career development particularly as it relates to persons with disability. Students are provided with a framework for vocational counselling and are taken through the process of assisting individuals with career choice problems. Resources essential to providing vocational planning and career choice assistance are also explored with students.

### REHB 5045 Rehabilitation Theory

Old code 255113X. 3 credit points. **Semester**: 1. **Classes**: Off-campus.
This unit discusses the history and philosophies of rehabilitation and rehabilitation service delivery in relation to medical and health services generally.

### REHB 5046 Work Injury and Disability

Old code 255114X. 3 credit points. **Semester**: 1. **Classes**: Off-campus.
This unit examines the social distribution and origins of occupational injury and disability. It explores the role of work organisation and management in contemporary Australian society as a key factor. The impact of globalisation and policy developments related to Australian workplaces and industrial relations will also be addressed.

### REHB 5047 Psychosocial Aspects of Disability

Old code 255115X. 3 credit points. Rosemary Pynor. **Semester**: 1. **Classes**: Off-campus.
Stereotypes of people with disability are discussed as well as strategies for overcoming stigma.

### REHB 5048 Field Experience I

Old code 255116. 3 credit points. Ms Tamatha Brewer. **Semester**: 1. **Classes**: 385 hours over 5 weeks.
Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional.
**Practical**: Students are required to complete a total of 385 hours of placement under supervision.
*Textbooks*
Unit manual only

### REHB 5049 Rehabilitation Counselling B

Old code 255117X. 3 credit points. Dr Sandra Bentley. **Semester**: 2. **Classes**: Off-campus. **Prerequisite**: Rehabilitation Counselling A REHB 5000 (22504). **Corequisite**: Client Assessment and Job Placement REHB 5043 (255111X).
The unit covers aspects of the ASORC Core Competency 10: Counselling. Advanced counselling microskills in the Ivey model are studied and practised. Application of these skills to the rehabilitation context is explored, for example, in adjustment to disability, vocational counselling and occupational rehabilitation case management. Students are introduced to action-based counselling theory. The unit is delivered by web-based CD-ROM, distance learning packages, interactive discussion forums and email support. Students are required to undertake a counselling interview and self-critiques as part of assessment.
Students are invited to attend a half-day skills workshop.

### REHB 5050 Client Assessment and Job Placement

Old code 255118X. 3 credit points. **Semester**: 2. **Classes**: Off-campus. **Prerequisite**: Vocational Development & Vocational Counselling REHB 5044 (255112). **Corequisite**: Rehabilitation Counselling B REHB 5001 (25505).
The foci of this unit are the Australian Society of Rehabilitation Counsellors (ASORC) core competencies 7 and 9, namely, Vocational Assessment and Vocational Training and Placement. This unit focuses on job analysis and the various ways in which the problem of accurately assessing the rehabilitation client's potential for re-entry to the workforce can be resolved. Students are also taught how to actively engage with the labour market in terms of assessing job suitability and negotiating with employers in order to secure job opportunities for persons with disability. The unit addresses the issue of accessing and analysing labour market information in order to guarantee the availability of job options generated for clients. Formats for writing vocational assessment reports and labour market analyses are presented and discussed. For PT students, attendance at a one-day skills workshop is required, held over one weekend.
Distance Education mode students are required to attend a one-day (weekend) skills workshop on practical aspects of the unit.

### REHB 5051 Rehabilitation Case and Caseload Management

Old code 255119X. 3 credit points. **Semester**: 2. **Classes**: Off-campus. **Prerequisite**: Vocational Development & Vocational Counselling REHB 5044 (255112). **Corequisite**: Client Assessment & Job Placement REHB 5050 (255118).
The focus of this unit is the Australian Society of Rehabilitation Counsellors (ASORC) core competency 5, namely, Case and Caseload Management. Students are exposed to both the theoretical and practical aspects of managing individual clients and a caseload of clients through a rehabilitation process. Issues addressed in this unit are: how to determine appropriate assessments, how to draw up individual rehabilitation plans, how to monitor and document progress in rehabilitation and negotiation skills needed to work with a variety of providers. Strategies to be an effective and efficient manager of clients within a human service environment are also discussed.

### REHB 5052 Legal Aspects of Rehabilitation

Old code 255120X. 3 credit points. **Semester**: 2. **Classes**: Off-campus.
Students address the role of Australian anti-discimination and guardianship legislation in delivering quality of life to people with disabilities.

### REHB 5053 Workers Compensation and Rehabilitation

Old code 255121X. 3 credit points. **Semester**: 2. **Classes**: Off-campus.
This unit addresses workers compensation and rehabilitation as both a public policy and system of injury management. It focuses on developments in NSW workers compensation and rehabilitation, locating these within an historical and political context. Students are encouraged to understand injured workers experiences of compensation and rehabilitation in terms of this context.

### REHB 5054 Field Experience II

Old code 255122. 3 credit points. Ms Tamatha Brewer. **Semester**: Inter-semester. **Classes**: 385 hours over 5 weeks.
Students are assigned selected cases in rehabilitation agencies and are required to carry out a range of tasks appropriate to a rehabilitation counsellor, with supervision from a qualified professional.
*Textbooks*
Subject manual only

### REHB 5057 Dissertation A

Old code 255125. 9 credit points. Dr Lynda Matthews. **Semester**: 1. **Classes**: Supervisor meetings. **Assessment**: Proposal for dissertation.
The dissertation requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

### REHB 5058 Dissertation B

Old code 255126. 9 credit points. Dr Lynda Matthews. **Semester**: 2. **Classes**: Supervisor meetings. **Assessment**: Dissertation.
The dissertation requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

### REHB 5059 Dissertation

Old code 255124. 18 credit points. Dr Lynda Matthews. **Semester**: 1. **Classes**: Supervisor meetings. **Assessment**: Dissertation.
The dissertation requires the completion of a paper which aims to synthesise post-graduate knowledge and skills through an original investigation of an area of professional relevance.

### REHB 6007 Research Thesis

Old code 25606. Dr Lynda Matthews. **Semester**: 1, 2. **Classes**: Supervisor meetings. **Assessment**: Thesis.
Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular

meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the students research thesis.
**Practical**: Data collection

### REHB 6008 **Research Thesis**

Old code 25607. Dr Lynda Matthews. **Semester**: 1, 2. **Classes**: Supervisor meetings. **Assessment**: Thesis.
Supervisors are appointed to assist in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework study where this is considered necessary to the students research thesis.
**Practical**: Data collection

# School of Biomedical Sciences

## ■ Graduate Program of Sexual Health

The Graduate Program of Sexual Health provides flexible pathways for professionals to extend their expertise in this specialised area. The program uses a Blended E-Learning mode with many of the units of study delivered on the WebCT (internet based) delivery platform.

This course provides an internationally relevant, multi-disciplinary learning experience in human sexuality and sexual health. The program has been designed from the viewpoint that sexual health is an essential part of holistic health and wellbeing. Sexual health care is addressed from the perspective of preventative and acute care, as well as rehabilitation. It is structured to provide a core competency base in Sexual Health, with opportunity to develop specialist skills in areas of particular interest. The course is appropriate for professionals in any of the health-related professions (medical, nursing and allied health), as well as other professionals dealing with people (counsellors, family planning workers, social workers, teachers and clergy).

ASSERT (Australian Society for Sexuality Educators Researchers and Therapists) and ACSHP (Australasian College of Sexual Health Physicians) have worked with the University of Sydney to develop the program, and will have an active role in course delivery.

There are three courses available within the Graduate Program of Sexual Health. These are:

i) Graduate Certificate of Health Science (Sexual Health)
ii) Graduate Diploma of Health Science (Sexual Health)
iii) Master of Health Science (Sexual Health)

All courses in the Graduate Program of Sexual Health may be completed full-time or part-time.

In order to qualify for the degree of Graduate Certificate of Health Sciences (Sexual Health), students are required to successfully complete units of study to the value of 24 credit points.

In order to qualify for the degree of Graduate Diploma of Health Sciences (Sexual Health), students are required to successfully complete units of study to the value of 36 credit points.

In order to qualify for the degree of Master of Health Sciences (Sexual Health), students are required to successfully complete units of study to the value of 48 credit points.

In addition, non-award enrolment is available. Non-award students who successfully complete a unit of study will receive a certificate of completion. Students enrolling for the award programs within five years of completion of a non-award unit will receive credit for that unit of study.

## ■ Graduate Certificate of Health Science (Sexual Health)

The Certificate is the baseline level of entry to the program. It provides an opportunity for any professional interested in the area to obtain a basic qualification in sexuality and sexual health.

Units of study completed in the Graduate Certificate can be credited to the Diploma and Masters' degree programs. Equivalent units of study completed in other tertiary programs may be credited towards the Graduate Certificate.

### Admission requirements

i) A Bachelor's degree or equivalent qualification, or
ii) Other experience or qualifications that provide a sound basis for professional development in the field of sexual health.

### Course outline

The course outline for the Graduate certificate of Health Science (Sexual Health) course is presented in Table 19.24.

Table 19.24: Graduate Certificate of Health Science (Sexual Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1125: Full time minimum 1 semester or 6 months, 24 credit points<br>Course code 1125: Part time minimum 2 semesters, 24 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BIOS 5056** | *11521/ 11521X* | Introduction to Sexual Health | 4 |
| **BIOS 5057** | *11522/ 11522X* | Professional Communication Skills in Sexual Health | 4 |
| Electives from list A | | | 16 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BIOS 5056** | *11521/ 11521X* | Introduction to Sexual Health | 4 |
| **BIOS 5057** | *11522/ 11522X* | Professional Communication Skills in Sexual Health | 4 |
| Electives from list A | | | 4 |
| **Semester 2** | | | |
| Electives from list A | | | 12 |
| **Electives – List A**<br>Students may choose from the electives listed below. Some electives will NOT be offered every year. | | | |
| **Semester 1** | | | |
| **BACH 5268**[1] | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **BIOS 5058** | *11523/ 11523X* | Sexual Function and Dysfunction | 4 |
| **BIOS 5059** | *11524/ 11524X* | Clinical Counselling Placement and Supervision | 6 |
| **BIOS 5062** | *11527/ 11527X* | Sexuality in Illness & in People with Disability | 4 |
| **BIOS 5064** | *11529/ 11529X* | Reproductive Health | 4 |
| **SEXH 5105** | *335105* | Sexually Transmissible Infections | 4 |
| **Semester 2** | | | |
| **BACH 5335**[1] | *255A7* | Design and Facilitation of Learning | 6 |
| **BIOS 5060** | *11525/ 11525X* | Counselling Strategies in Sexual Health | 4 |
| **BIOS 5061** | *11526/ 11526X* | Sexual Counselling Practicum | 4 |
| **BIOS 5063** | *11528/ 11528X* | Sexuality & Aging | 4 |
| **BIOS 5065** | *11530/ 11530X* | Gender Issues in Sexuality | 4 |
| **GSDD 5016** | *27515X* | Sexuality and People with Developmental Disability | 6 |
| **SEXH 5100** | *335100* | Social & Policy Aspects of Sexual Health | 4 |
| **SEXH 5101** | *335101* | Public Health Aspects of STD's | 2 |
| **SEXH 5102** | *335102* | Public Health Aspects of HIV/AIDS | 2 |
| **SEXH 5104** | *335104* | Human Immunodeficiency Virus Infection | 4 |

■ **Note**

1. Students may select EITHER BACH 5268 OR BACH 5335.

# ■ Graduate Diploma of Health Science (Sexual Health)

The Diploma provides a multi-disciplinary learning experience in human sexuality and sexual health that allows students to obtain a core competency base, and to develop more advanced skills in areas of particular interest.

Units of study completed in the Graduate Diploma can be credited to the Masters' degree program. Equivalent units of study completed in other tertiary programs may be credited towards the Diploma.

### Admission requirements

i) A Bachelor's degree or equivalent qualification, or
ii) A Graduate Certificate level qualification in sexual health and/or sexuality
iii) Other experience or qualifications that provide a sound basis for professional development in the field of sexual health.

### Course outline

The course outline for the Graduate Diploma of Health Science (Sexual Health) course is presented in Table 19.25.

Table 19.25: Graduate Diploma of Health Science (Sexual Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1124: Full time minimum 2 semesters, 36 credit points<br>Course code 1124: Part time minimum 3 semesters, 36 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BIOS 5056** | *11521/ 11521X* | Introduction to Sexual Health | 4 |
| **BIOS 5057** | *11522/ 11522X* | Professional Communication Skills in Sexual Health | 4 |
| **BIOS 5059** | *11524/ 11524X* | Clinical Counselling Placement and Supervision | 6 |
| Electives from list B | | | 10 |
| **Semester 2** | | | |
| **BIOS 5060** | *11525/ 11525X* | Counselling Strategies in Sexual Health | 4 |
| **BIOS 5061** | *11526/ 11526X* | Sexual Counselling Practicum | 4 |
| Electives from list B | | | 4 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BIOS 5056** | *11521/ 11521X* | Introduction to Sexual Health | 4 |
| **BIOS 5057** | *11522/ 11522X* | Professional Communication Skills in Sexual Health | 4 |
| Electives from list B | | | 4 |
| **Semester 2** | | | |
| **BIOS 5060** | *11525/ 11525X* | Counselling Strategies in Sexual Health | 4 |
| **BIOS 5061** | *11526/ 11526X* | Sexual Counselling Practicum | 4 |
| Electives from list B | | | 4 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **BIOS 5059** | *11524/ 11524X* | Clinical Counselling Placement and Supervision | 6 |
| Electives from list B | | | 6 |

### Electives – List B

Students may choose from the elctives listed below. Some electives will NOT be offered every year.

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **BIOS 5058** | *11523/ 11523X* | Sexual Function and Dysfunction | 4 |
| **BACH 5268**[1] | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **BIOS 5062** | *11527/ 11527X* | Sexuality in Illness & in People with Disability | 4 |
| **BIOS 5064** | *11529/ 11529X* | Reproductive Health | 4 |
| **SEXH 5105** | *335105* | Sexually Transmissible Infections | 4 |
| **Semester 2** | | | |
| **BACH 5335**[1] | *255A7* | Design and Facilitation of Learning | 6 |
| **BIOS 5063** | *11528/ 11528X* | Sexuality & Aging | 4 |
| **BIOS 5065** | *11530/ 11530X* | Gender Issues in Sexuality | 4 |
| **GSDD 5016** | *27515X* | Sexuality and People with Developmental Disability | 6 |
| **SEXH 5100** | *335100* | Social & Policy Aspects of Sexual Health | 4 |
| **SEXH 5101** | *335101* | Public Health Aspects of STD's | 2 |
| **SEXH 5102** | *335102* | Public Health Aspects of HIV/AIDS | 2 |
| **SEXH 5104** | *335104* | Human Immunodeficiency Virus Infection | 4 |

■ **Note**

1. Students may select EITHER BACH 5268 OR BACH 5335.

# ■ Master of Health Science (Sexual Health)

The degree equips professionals with the in-depth knowledge and skills to deal with all types of sexual health concerns, and the competence to provide leadership in sexuality education, research and counselling. Building on core units of study, students have the opportunity to focus on particular areas of interest.

This degree will include one 2 week on-campus, face-to-face session during the Summer (January-February) Session. There will also be a 6-week clinical placement.

Units of study completed in the Graduate Diploma can be credited to the Masters' degree program. Equivalent units of study completed in other tertiary programs may be credited

### Admission requirements

i) A Bachelor's degree or equivalent qualification, in a relevant area, or
ii) A Diploma in Sexual Health Counselling, or
iii) Other experience or qualifications that provide a sound basis for professional development in the field of sexual health.

### Course outline

The course outline for the Master of Health Science (Sexual Health) course is presented in Table 19.26.

Table 19.26: Master of Health Science (Sexual Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1123: Full time minimum 2 semesters or 1 year, 48 credit points<br>Course code 1123: Part time minimum 4 semesters or 2 years, 48 credit points | | | |
| **Full-time mode** | | | |
| **Semester 1** | | | |
| **BACH 5268**[1] | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **BIOS 5056** | *11521/ 11521X* | Introduction to Sexual Health | 4 |
| **BIOS 5057** | *11522/ 11522X* | Professional Communication Skills in Sexual Health | 4 |
| **BIOS 5058** | *11523/ 11523X* | Sexual Function and Dysfunction | 4 |
| **BIOS 5059**[2] | *11524/ 11524X* | Clinical Counselling Placement and Supervision | 6 |
| Electives from list C | | | (up to) 6 |
| **Semester 2** | | | |
| **BACH 5335**[1] | *255A7* | Design and Facilitation of Learning | 6 |
| **BIOS 5059**[2] | *11524/ 11524X* | Clinical Counselling Placement and Supervision | 6 |
| **BIOS 5060** | *11525/ 11525X* | Counselling Strategies in Sexual Health | 4 |
| **BIOS 5061** | *11526/ 11526X* | Sexual Counselling Practicum | 4 |

Table 19.26: Master of Health Science (Sexual Health) (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Electives from list C | | | (up to) 16 |

**Part-time mode**

■ **Year 1**

**Semester 1**

| | | | |
|---|---|---|---|
| **BIOS 5056** | *11521/ 11521X* | Introduction to Sexual Health | 4 |
| **BIOS 5057** | *11522/ 11522X* | Professional Communication Skills in Sexual Health | 4 |
| Electives from list C | | | 4 |

**Semester 2**

| | | | |
|---|---|---|---|
| **BIOS 5060** | *11525/ 11525X* | Counselling Strategies in Sexual Health | 4 |
| **BIOS 5061** | *11526/ 11526X* | Sexual Counselling Practicum | 4 |
| Electives from list C | | | 4 |

■ **Year 2**

**Semester 1**

| | | | |
|---|---|---|---|
| **BACH 5268**[1] | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **BIOS 5058** | *11523/ 11523X* | Sexual Function and Dysfunction | 4 |
| Electives from list C | | | (up to) 4 |

**Semester 2**

| | | | |
|---|---|---|---|
| **BACH 5335**[1] | *255A7* | Design and Facilitation of Learning | 6 |
| **BIOS 5059**[2] | *11524/ 11524X* | Clinical Counselling Placement and Supervision | 6 |
| Electives from list C | | | (up to) 6 |

■ **Notes**

1. Students may select EITHER BACH 5268 OR BACH 5335.
2. This unit of study will be offered in both semesters.

**Electives – List C**

Students may choose from the electives listed below. Some electives will NOT be offered every year.

**Semester 1**

| | | | |
|---|---|---|---|
| **BIOS 5062** | *11527/ 11527X* | Sexuality in Illness & in People with Disability | 4 |
| **BIOS 5064** | *11529/ 11529X* | Reproductive Health | 4 |
| **SEXH 5105** | *335105* | Sexually Transmissible Infections | 4 |

**Semester 2**

| | | | |
|---|---|---|---|
| **BIOS 5063** | *11528/ 11528X* | Sexuality & Aging | 4 |
| **BIOS 5065** | *11530/ 11530X* | Gender Issues in Sexuality | 4 |
| **GSDD 5016** | *27515X* | Sexuality and People with Developmental Disability | 6 |
| **SEXH 5100** | *335100* | Social & Policy Aspects of Sexual Health | 4 |
| **SEXH 5101** | *335101* | Public Health Aspects of STD's | 2 |
| **SEXH 5102** | *335102* | Public Health Aspects of HIV/AIDS | 2 |
| **SEXH 5104** | *335104* | Human Immunodeficiency Virus Infection | 4 |

# ■ Master of Applied Science (Biomedical Sciences) by Research

This graduate program is designed primarily to provide an opportunity for those interested in pursuing one of the health sciences as a career to carry out research in any of the specialised areas of anatomy, physiology, microbiology, applied physics, applied chemistry, biochemistry or in human sexuality.

It will enable and encourage such graduate students to engage in multidisciplinary collaborative research within the School of Biomedical Sciences as well as with other Schools/Centres of the Faculty of Health Sciences. Such research may be in a basic scientific and/or clinical setting.

The degree comprises a minimal coursework component which will be necessary to facilitate the research projects.

### Admission requirements

i) A Bachelor of Applied Science degree from the Faculty of Health Sciences, at a credit level or higher; or
ii) A Bachelor of Applied Science degree from the Faculty of Health Sciences at an Honours level; or
iii) Baccalaureate degree preferably with a Biological background from an Australian university, at credit level or higher; or
iv) A Bachelor of Medical Sciences degree; or
v) A degree deemed to be equivalent to any of the above from a foreign university; or
vi) A Master's degree by Coursework in a relevant/related area; or
vii) Submit evidence of general and/or professional qualifications as well as satisfy the Head of the School and Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies.

Advanced standing may be given to candidates of high calibre to enter the second year of the program.

### Course outline

The course outline for the Master of Applied Science (Biomedical Sciences) by Research is presented in Table 19.27.

Table 19.27: Master of Applied Science (Biomedical Sciences) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1106: Special Qualifying Program (for master's qualifying students) | | | |
| Course code 1116: full-time; minimum 1.5 years, maximum 2 years | | | |
| Course code 1117: part-time; minimum 3 years, maximum 4 years | | | |

**Full-time**

■ **Year 1 (and subsequent years)**

| | | | |
|---|---|---|---|
| **BIOS 6016** | *11510A* | Research Thesis | |
| **BIOS 6017** | *11510B* | Research Thesis | |

**Part-time**

■ **Year 1 (and subsequent years)**

| | | | |
|---|---|---|---|
| **BIOS 6016** | *11510A* | Research Thesis | |
| **BIOS 6017** | *11510B* | Research Thesis | |

# ■ Biomedical Sciences units of study

### BACH 5268 **Developing a Research Project**

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### BACH 5335 **Design and Facilitation of Learning**

Old code 255A7. 6 credit points. **Semester**: 2. **Assumed knowledge**: Knowledge pertaining to the content of what the participant will use as the basis of their educational design. **Assessment**: Literature review (2000 words); Design of 2–4 hours of small group learning (1500 words); Participation in mico skills practice and Reflection on self as teacher (1500 words).

Participants examine the fundamentals of educational design relevant to interactive small group learning sessions in the context of a specialised area of health-related education associated with transitions and change such as sexuality, disability, adolescence, childbirth, pareting or ageing.

Participants will also use a micro skills approach to explore and practice the effective use of explaining, demonstration, group discussion, questioning, interactive learning exercises, listening, building trust and using humour in the learning environment.

By the end of this unit of study it is anticipated that the participant will be better able to:

1. use the educational literature pertaining to their specific health-related area of interest to inform unique aspects of their educational design;

2. use the basic building blocks of educational design to create effective learning plans;
3. utilise a range of facilitation skills known to promote effective learning in face-to-face settings;
4. use reflection as professional development skill in the context of coming to know themselves as a teacher.

### BIOS 5056 **Introduction to Sexual Health**

Old code 11521/11521X. 4 credit points. Unit of study Coordinator: Dr Katherine Brown (email: brownk@iahs.nsw.gov.au) BIOS Coordinator: Dr Patricia Weerakoon. **Semester**: 1.

This unit of study is designed to provide the student with a broad introduction to the basic concepts in sexual health. Sex, sexuality and sexual health will be approached in a holistic manner in keeping with the definitions of the World Health Organisation (WHO) and the World Association of Sexology (WAS).

The unit will provide an understanding of the bio-psychosocial aspects of sexuality and health care in a manner such as to promote positive attitudes to sexuality and sexual health

Students will be encouraged to develop an awareness of sexuality and sexual health as an integral part of life and well-being that transcends discipline and professional groups as well as geographic and cultural boundaries.

This unit of study will be offered in a distance mode, using the Web CT (Internet based) delivery platform. Assessment will include on-line quizzes, case based small group work assignments and individual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

At the end of this introductory unit of study the students will

1. Have developed an awareness of sexuality and sexual health as an integral part of life and well-being that transcends discipline and professional groups as well as geographic and cultural boundaries.
2. Be sensitised to their personal values and attitudes in sexuality and sexual health and explore the range of differences in others.
3. Be aware of the issues related to the sexual rights of all individuals.
4. Have an overall understanding of the bio-psychosocial aspects of sexuality and sexual health care.
5. Be able to apply these principles in their professional situation

### BIOS 5057 **Professional Communication Skills in Sexual Health**

Old code 11522/11522X. 4 credit points. Unit of study Coordinator: Brett McCann (email: admin@impotenceaustralia.com.au) BIOS Coordinator:\tDr Patricia Weerakoon. **Semester**: 1.

This introductory unit of study will provide the students with an overview of the models of sexual health counselling and professional ethics.

The students will be sensitised to their attitudes and beliefs in the area of sexual and reproductive health, and consider the range of attitudes, beliefs and values in the context of the clients religious and socio-cultural background.

The students will explore ways of discussing and communicating with clients on sexual health issues in the context of the clients comfort and context and their own professional situation.

Objectives:

At the end of the UOS the student will be able to:

1. Describe briefly the models of sexual counselling.
2. Identify clients' needs and expectations in sexual health care in the context of the clients own religious and socio-cultural context and the students' professional role.
3. Identify their own values and biases and discuss the effect these may have on their provision of sexual health care to clients.
4. Demonstrate an understanding of the range of values and attitudes clients are likely to have in sexuality, and demonstrate an understanding of the influence of socio-cultural factors and religion.
5. Describe potential conflicts between personal values, clients' needs and the organizational organization.
6. Describe changes in social definition and construction of sexuality over time.
7. Demonstrate the ability to identify models of sexual identity.
8. Demonstrate the ability to use the PLISSIT management model in their professional practice.
9. Demonstrate an understanding of the range of sexual behaviour of humans.

This unit of study will be offered in a distance mode, using the Web CT delivery platform. Assessment will include on-line quizzes, case based small group work assignments and an audiotaped interview with a reflective report. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 5058 **Sexual Function and Dysfunction**

Old code 11523/11523X. 4 credit points. Unit of study Coordinator: Dr Patricia Weerakoon (email: p.weerakoon@fhs.usyd.edu.au) BIOS Coordinator: Dr Patricia Weerakoon. **Semester**: 1.

This unit of study will provide the student with an understanding of the sexual response in males and females and the changes that take place through the lifecycle. The students will explore the concept of normality of sexual function and behaviour and be provided with an overview of the range of sexual concerns and dysfunctions and available management options.

Students will be encouraged to explore these in depth in specific topic areas, as relevant to their personal interest and professional role.

Objectives:

At the end of the unit of study the student will be able to:

1. Discuss the models currently used to explain the adult sexual response.
2. Demonstrate an ability to discuss the concept of 'normality' and the range of values and behaviours in a socio-cultural context.
3. Demonstrate an understanding of the common sexual concerns and dysfunctions.
4. Demonstrate an understanding of the range of possible psychological, social and physical reasons for specific sexual dysfunctions, and place these in the context of clients socio-cultural and religious background and beliefs.
5. Discuss the individual, relational, social and health care consequences of specific sexual dysfunctions.
6. Demonstrate an ability to identify and manage as appropriate specific dysfunctions.

This unit of study will be offered in a distance mode, using the Web CT (Internet based) delivery platform. Assessment will include on-line quizzes, case based small group work assignments and individual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 5059 **Clinical Counselling Placement and Supervision**

Old code 11524/11524X. 6 credit points. Unit of study Coordinator: Brett McCann (email: admin@impotenceaustralia.com.au) BIOS Coordinator: Dr Patricia Weerakoon. **Semester**: 1.

The University will assist the student to find a suitable professional placement and supervision. This will provide the opportunity for supervised training in sexual health.

The student will be sensitised to the sexual health and client's issues. Students will gain practical experience and be able to reflect on their learning goals.

Students will be able to take theoretical sexual health models and utilise them within a clinical setting.

The students will also be able to explore their attitudes and beliefs in the area of sexual and reproductive health in the context of their own professional situation.

At the end of the UOS the student will be able to display a standard of skill in sexual health counselling that is acceptable practice which is based on theoretical models.

### BIOS 5060 **Counselling Strategies in Sexual Health**

Old code 11525/11525X. 4 credit points. Unit of study Coordinator: Mark Anns (email: markanns@therapist.net) BIOS Coordinator: Dr Patricia Weerakoon. **Semester**: 2.

This module builds upon the Professional communication skills module by examining in more depth counselling approaches related to sexuality and sexual expression. The students will explore the common patterns of presentations in sexual concerns and dysfunctions with special reference to cultural and sociocultural influences. This unit will enable to identify specific counseling models and understand the application of counselling models to the area of sexual health counseling, especially in the context of different cultural and sociocultural backgrounds.

Specific topics will include:

- The role of pattern recognition as part of the counseling process – identifying common patterns underlying client presentations.
- An overview of common counselling models – Cognitive, behavioural, Brief strategic, systems theory, narrative, eclectic, and their application to sexual health.
- What works, what does not – What is the evidence

- Intentional counselling
- Relationship counselling
- Developmental approaches and their application to sexuality
- Making referrals
- Applying counselling models to different areas of sexual health – problems and issues
- Cross cultural issues related to counselling
- A critical examination of counselling in relationship to socioeconomic and cross cultural factors related to sexual expression.

Students will be required to have completed Professional Communication Skills in Sexual Health) or an equivalent unit prior to enrolment in this unit of study.

This unit of study will be offered in a distance mode, using the Web CT (Internet based) delivery platform. Assessment will include on-line quizzes, case based small group work assignments and individual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 5061 **Sexual Counselling Practicum**

Old code 11526/11526X. 4 credit points. Unit of study Coordinator: Mark Anns Mark Anns (email: markanns@therapist.net) BIOS Coordinator: Dr Patricia Weerakoon. **Semester**: 2.

This unit of study will provide practical instruction in the application of counselling approaches to Sexual Health Counselling. The module will provide opportunities for self-learning through the use of case studies and role-plays and 'actors'. The module will be highly practical and explore how counsellors handle 'real life' situations. The main counselling approaches to be utilised will be cognitive within an overall frame of 'intentional counselling'.

It is anticipated that participants will be provided the opportunity to gain audio-visual feedback of themselves in a counselling role-play.

At the end of this unit of study, the student will be able to:

1. Demonstrate the ability to take a sexual history
2. Demonstrate the ability to conceptualise client's presenting issues.
3. Design basic counselling interventions applied to sexual health.
4. Demonstrate the ability to identify counselling outcomes.
5. Demonstrate the ability to provide general counselling to individuals presenting with sexual health difficulties.

Specific topics that will be covered in this unit of study will include:

- Demonstration of examples of counselling techniques
- Modelling of appropriate counsellor behaviours
- Conceptualising presenting client problems
- Sexual history taking
- Intentional counselling
- Outcome and intervention planning applied to sexual health.

### BIOS 5062 **Sexuality in Illness & in People with Disability**

Old code 11527/11527X. 4 credit points. Unit of study Coordinator: John Brown (email: edu@acshp.org.au) BIOS Coordinator: Dr Patricia Weerakoon. **Semester**: 1.

This unit of study will provide the students with an overview of the models of disability. The students will be sensitised to the sexual health needs of those with physical disability and intellectual disability and sexual concerns following disease and surgery. The unit is an introductory unit to the topic.

The students will explore the range of counseling options and support structures available in the area of sexual and reproductive health to disabled people. The students will do this in the context of their own professional situation.

Objectives:

At the end of the unit of study the student will be able to:

1. Discuss the models of disability (medical, social, psychological, psycho social) from the point of view of the factors that influence individual's reaction to and adjustment to disability and the communities reactions
2. Demonstrate an understanding of the sexual concerns at individual, community and health care levels in people with intellectual disability, developmental disability and mental illness.
3. Demonstrate an understanding of the sexual concerns at individual, community and health care levels in people physical disability of various causations such as spinal cord injury and brain injury.
4. Discuss the individual and health care consequences of the sexual concerns that are likely in people with illnesses (eg, heart attacks, COPD, cancer), surgery (eg, prostatectomy, stoma therapy) and on therapeutic medication.
5. Demonstrate an ability to identify and manage as appropriate the sexual concerns in illness and in people with disability.

This unit of study will be offered in a distance mode, using the Web CT (Internet based) delivery platform. Assessment will include on-line quizzes, case based small group work assignments and individual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 5063 **Sexuality & Aging**

Old code 11528/11528X. 4 credit points. Unit of study Coordinator: Dr Lesley Yee (email: lyee@bigpond.com) BIOS Coordinator: Dr Peter Knight. **Semester**: 2.

This module will provide the student with an understanding of the sexual and reproductive changes that take place in older adults and the social, psychological and emotional consequences of these changes. The students will be provided with an overview of the range of sexual concerns and dysfunctions in older adults and available management options.

Students will be encouraged to explore these in depth in specific topic areas, as relevant to their professional role.

At the end of this UOS the student will be able to:

1. Demonstrate an understanding of ageing in Australian society, and its implications in terms of health.
2. Discuss the biological aspects of ageing as they impact on sexuality.
3. Demonstrate an understanding of the psychological and behavioural aspects of ageing as they relate to sexuality
4. Demonstrate an ability to manage practical issues of sexual dysfunction related to ageing
5. Demonstrate an understanding of the issues of sexuality and intimacy in older adults and their implications to professionals working in the field at all levels (eg, administrators, carers, policy makers).

This unit of study will be offered in a distance mode, using the Web CT (Internet based) delivery platform. Assessment will include on-line quizzes, case based small group work assignments and individual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 5064 **Reproductive Health**

Old code 11529/11529X. 4 credit points. Unit of study Coordinator: Katherine Brown (email: brownk@iahs.nsw.gov.au) BIOS Coordinator: Patricia Weerakoon. **Semester**: 1.

This unit of study will provide students with an overview of the common issues that arise in reproductive health. Students will explore the psychological aspects of pregnancy, infertility and termination of pregnancy. The aim of this unit of study is to provide the student with the skills to understand the underlying issues and management principle in clients who present with reproductive health concerns

Objectives:

At the conclusion of this module students will be able to:

1. Name the resources available to assist clients with reproductive health issues.
2. Discuss the options available for clients seeking contraceptive advice.
3. Discuss the options available for clients presenting with an unplanned pregnancy.
4. Discuss the issues regarding sexuality that may arise during and after pregnancy.
5. Discuss the issues that may arise for a couple with subfertility.
6. Discuss the issues that may arise in mid-life for women and men

This unit of study will be offered in a distance mode, using the Web CT (Internet based) delivery platform. Assessment will include on-line quizzes, case based small group work assignments and individual activity reports. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 5065 **Gender Issues in Sexuality**

Old code 11530/11530X. 4 credit points. Unit of study Coordinator: Dr Patricia Weerakoon (email: p.weerakoon@fhs.usyd.edu.au) BIOS coordinator: Dr Patricia Weerakoon. **Semester**: 2.

This unit of study will provide the student with an understanding of the biological basis of sexual development from fetus to adulthood and the socio-cultural factors that determine their expression. The students will be sensitised to the terminology of gender discourse and be provided with an overview of the range of gender and sexual differences and practices in the community.

Students will be encouraged to explore these in depth in specific topic areas, as relevant to their professional role.

Objectives:

At the end of this unit of study the student will be able to:

1. Demonstrate an understanding of the terminology used in gender discourse.
2. Describe the biology of sexual development from fetus to adolescence and an understanding of the factors that influence the process.
3. Describe syndromes of atypical sexual development and demonstrate an understanding the medical and ethical concerns in the management.
4. Demonstrate an understanding of the social and psychological factors that influence the expression of gender roles in the community.
5. Demonstrate an understanding of the variations of sexual orientation and the factors that affect the expression in the community.
6. Demonstrate an understanding of issues of gender identity (transgender and transsexual) and social and cultural factors in their expression in a community.

This unit of study will be offered in a distance mode, using the Web CT delivery platform. Assessment will include on-line quizzes, case based small group work assignments and an individual reflective report of case management in gender concerns. Synchronous on-line discussions will be held at times convenient to the students.

### BIOS 6016 **Research Thesis**

Old code 11510A. Dr Jennifer Lingard (02) 9351 9527. **Semester**: 1, 2.

Students may be required to undertake and satisfactorily complete coursework or special programs as part of this unit. Students will be required to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops.

The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree.

For details of the requirements, supervision and assessment of research thesis, consult the University Graduate Studies Research Handbook.

### BIOS 6017 **Research Thesis**

Old code 11510B. Dr Jennifer Lingard (02) 9351 9527. **Semester**: 1, 2.

Each candidate will be required to present a seminar at the end of each semester. Students may be required to undertake and satisfactorily complete coursework or special programs as part of this unit. During subsequent semesters students will be required to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops.

The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree.

For details of the requirements, supervision and assessment of research thesis, consult the University Graduate Studies Research Handbook.

### GSDD 5016 **Sexuality and People with Developmental Disability**

Old code 27515X. 6 credit points. Dr Kelley Johnson. **Semester**: 2. **Classes**: Offered in a flexible, independent learning 0ff-campus mode. **Assumed knowledge**: Knowledge of the structure and function of male and female genitalia and the sexual response cycle; knowledge of and/or experience with people with developmental disability. **Assessment**: Individual report; group report; and evidence of group participation in on-line discussion.

*NB: Offered Semester 2, 2004*

This UOS will provide the students with an overview of historical, cultural and sociological perspectives on the sexuality of people with developmental disability. Students will become aware of the relationships between identity, gender and sexuality and how these are shaped by cultural and societal attitudes and beliefs. Students will explore issues of sexual preferences, knowledge about and decision-making and control over sexuality, sex education and sexual and reproductive health through examination of the life stories of women and men with developmental disability. Students will demonstrate the ability to discuss approaches/programs and formal services in relation to sexuality with people with a developmental disability, their family members, carers or advocates and assist them to understand, appreciate and support the realization of sexuality for people with developmental disability.

*Textbooks*

All resources will be provided in web based content modules linked on-line and e-resourced through the university library.

The students will be expected to have access to computer details.

### SEXH 5100 **Social & Policy Aspects of Sexual Health**

Old code 335100. 4 credit points. Dr Richard Hillman; Professor Adrian Mindel. **Semester**: 2. **Classes**: 2 hours per week, whole semester. **Assessment**: Written assignment (100%) plus participation in 80% of course sessions.

Sexuality can only be properly understood in its sociocultural context. This unit explores the social, psychological and political determinants of sexuality and provides theoretical frameworks for managing contentious issues. Topics include sexual biology, gender identity, sexual orientation (eg, homosexuality), sex and disability, and pornography. The unit is aimed at students interested in sexuality and health (eg, STD/HIV prevention or family planning) or in the sociology of health.

### SEXH 5101 **Public Health Aspects of STD's**

Old code 335101. 2 credit points. Dr Richard Hillman; Professor Adrian Mindel. **Semester**: 2. **Classes**: 2 hours per week, half a semester. **Assessment**: Written assignment (100%) plus participation in 80% of course sessions.

Designed to provide a public health perspective on the morbidity attributable to pathogens that cause sexually transmitted diseases (STDs). Emphasis will be on the reasoning behind differing priorities, epidemiologies and control strategies relating to the major STD pathogens. Also covered are historical, legislative, behavioural and economic aspects of STD control.

### SEXH 5102 **Public Health Aspects of HIV/AIDS**

Old code 335102. 2 credit points. Dr Richard Hillman, Professor Adrian Mindel. **Semester**: 2. **Classes**: 2 hours per week, half semester. **Assessment**: Written assignment (100%) plus participation in 80% of course sessions.

Provides health professionals with a public health perspective on the full spectrum of infection with HIV. After an overview of the natural history and clinical management of HIV infection, discussion will centre around surveillance, epidemiology, policy and preventive especially educational) strategies for control. Also examined will be special characteristics of community groups at increased risk of HIV infection.

### SEXH 5104 **Human Immunodeficiency Virus Infection**

Old code 335104. 4 credit points. **Semester**: 2.

### SEXH 5105 **Sexually Transmissible Infections**

Old code 335105. 4 credit points. **Semester**: 1.

# School of Communication Sciences and Disorders

## ■ Master of Health Science (Speech-Language Pathology) by Coursework, off-campus

This master's course is a 1-year full-time (or 2-year part-time) course in Speech-Language Pathology. The course, which is open to qualified speech pathologists, is offered by off-campus, with only a weekend, on-campus workshop at the beginning of the course. The course is ideal for speech pathologists who want to extend the depth of their knowledge in particular areas of the speech-language pathology field and gain a higher degree in which all the units (subjects) studied are directly relevant to speech-language pathology. By utilising modern electronic information systems via computers with Internet connection, students study at times and locations that are convenient to them, while at the same time having the advantage of studying with and being mentored individually by academic staff who are internationally recognised expert academics and specialists in their field. This is a fee-paying course.Because students will be expected to use electronic information systems, students should plan on being able to access and use (but not necessarily own) a computer with Internet connection.

The course is structured so that students undertake four units that focus on the current state of the discipline ('breaking science') for specific topics in areas of speech-language pathology. These units are entitled 'Emerging Trends in Speech-Language Pathology,' one for each of the areas: Child Language and Phonology; Neurogenic Impairment; Voice; Stuttering and AAC. Students then select one of two streams to pursue. Students who opt for the Generalist Stream undertake two extension units, entitled Major Literature Review in Speech-Language Pathology,' that extend topics examined in two of the Emerging Trends units. For students who wish to gain a credential indicating a specialisation in a particular area within the field, the Specialist Stream is selected. Students in the Specialist Stream undertake one Major Literature Review in Speech-Language Pathology unit that follows on from a topic in one of the Emerging Trends in Speech-Language Pathology unit plus one specialist unit, entitled ëSpecialist Literature Review in Speech-Language Pathology.' The topic of the Specialist Literature articulates with the topic of both the Emerging Trends and Major Literature Review units. The final academic transcript of students who complete the Specialist Stream will indicate the particular area of speech-language pathology in which the specialisation was pursued.

### Admission requirements

In order to qualify for admission, applicants shall possess:

i) A bachelor degree in speech pathology from The University of Sydney or a degree from another Australian or overseas tertiary institution deemed to be equivalent to this University's degree, and

ii) General and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to undertake the course, and

iii) For those applicants who received their speech-language pathology degree qualifying them to practice more than five years prior to their intended year of enrolment, evidence of at least the equivalent of half-time professional employment/ professional practice as a speech-language pathologist during the most recent five years prior to applying for admission.

iv) Because students will be expected to use electronic information systems, access to (but not necessarily ownership of) a computer with Internet connection is a highly desirable criterion for admission.

### Course outline

The course outlines for the Master of Health Science (Speech-Language Pathology) (coursework by off-campus) are presented in Table 19.28.

Table 19.28: Master of Health Science (Speech-Language Pathology) by Coursework, off-campus

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1223: (Generalist or Specialist stream) by off-campus, full-time, 1 year<br>Course code 1224: (Generalist or Specialist stream) by off-campus, part-time, 2 years<br>Award total: 48 credit points | | | |
| **Generalist stream full-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| Enrol in 4 of the following units | | | |
| **CSCD 5002** | *12509* | Emerging Trends in Speech Language Pathology: Child Language and Phonology | 6 |
| **CSCD 5003** | *12510* | Emerging Trends in Speech-Language Pathology: Neurogenic Impairment | 6 |
| **CSCD 5004** | *12511* | Emerging Trends in Speech-Language Pathology: Voice | 6 |
| **CSCD 5005** | *12512* | Emerging Trends in Speech-Language Pathology: Stuttering | 6 |
| **CSCD 5015** | *12521* | Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication | 6 |
| **Semester 2** | | | |
| Enrol in 2 of the following units | | | |
| **CSCD 5006** | *12513* | Major Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5007** | *12514* | Major Literature Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5008** | *12515* | Major Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5009** | *12516* | Major Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5016** | *12522* | Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |
| **Generalist stream part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| Enrol in 2 of the following units | | | |
| **CSCD 5002** | *12509* | Emerging Trends in Speech Language Pathology: Child Language and Phonology | 6 |
| **CSCD 5003** | *12510* | Emerging Trends in Speech-Language Pathology: Neurogenic Impairment | 6 |
| **CSCD 5004** | *12511* | Emerging Trends in Speech-Language Pathology: Voice | 6 |
| **CSCD 5005** | *12512* | Emerging Trends in Speech-Language Pathology: Stuttering | 6 |
| **CSCD 5015** | *12521* | Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication | 6 |
| **Semester 2** | | | |
| Enrol in 1 of the following units | | | |
| **CSCD 5006** | *12513* | Major Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5007** | *12514* | Major Literature Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5008** | *12515* | Major Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5009** | *12516* | Major Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5016** | *12522* | Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |

Table 19.28: Master of Health Science (Speech-Language Pathology) by Coursework, off-campus

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| Enrol in 2 of the following units that have not been previously completed | | | |
| **CSCD 5002** | *12509* | Emerging Trends in Speech Language Pathology: Child Language and Phonology | 6 |
| **CSCD 5003** | *12510* | Emerging Trends in Speech-Language Pathology: Neurogenic Impairment | 6 |
| **CSCD 5004** | *12511* | Emerging Trends in Speech-Language Pathology: Voice | 6 |
| **CSCD 5005** | *12512* | Emerging Trends in Speech-Language Pathology: Stuttering | 6 |
| **CSCD 5015** | *12521* | Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication | 6 |
| **Semester 2** | | | |
| Enrol in 1 of the following units that has not been previously completed | | | |
| **CSCD 5006** | *12513* | Major Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5007** | *12514* | Major Literature Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5008** | *12515* | Major Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5009** | *12516* | Major Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5016** | *12522* | Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |

## Specialist stream full-time mode

■ **Year 1**

**Semester 1**

Enrol in 4 of the following units

| | | | |
|---|---|---|---|
| **CSCD 5002** | *12509* | Emerging Trends in Speech Language Pathology: Child Language and Phonology | 6 |
| **CSCD 5003** | *12510* | Emerging Trends in Speech-Language Pathology: Neurogenic Impairment | 6 |
| **CSCD 5004** | *12511* | Emerging Trends in Speech-Language Pathology: Voice | 6 |
| **CSCD 5005** | *12512* | Emerging Trends in Speech-Language Pathology: Stuttering | 6 |
| **CSCD 5015** | *12521* | Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication | 6 |

**Semester 2**

Enrol in 1 of the following units

| | | | |
|---|---|---|---|
| **CSCD 5006** | *12513* | Major Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5007** | *12514* | Major Literature Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5008** | *12515* | Major Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5009** | *12516* | Major Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5016** | *12522* | Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |

Enrol in 1 of the following units on the same topic as the unit of the Major Literature Review enrolled in above:

| | | | |
|---|---|---|---|
| **CSCD 5010** | *12517* | Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5011** | *12518* | Specialist Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5013** | *12519* | Specialist Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5014** | *12520* | Specialist Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5017** | *12523* | Specialist Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |

Table 19.28: Master of Health Science (Speech-Language Pathology) by Coursework, off-campus

| Unit code | Old code | Unit name | CP |
|---|---|---|---|

## Specialist stream part-time mode

■ **Year 1**

**Semester 1**

Enrol in 2 of the following units

| | | | |
|---|---|---|---|
| **CSCD 5002** | *12509* | Emerging Trends in Speech Language Pathology: Child Language and Phonology | 6 |
| **CSCD 5003** | *12510* | Emerging Trends in Speech-Language Pathology: Neurogenic Impairment | 6 |
| **CSCD 5004** | *12511* | Emerging Trends in Speech-Language Pathology: Voice | 6 |
| **CSCD 5005** | *12512* | Emerging Trends in Speech-Language Pathology: Stuttering | 6 |
| **CSCD 5015** | *12521* | Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication | 6 |

**Semester 2**

Enrol in 1 of the following units that is on the same topic as one of the units completed in Semester 1

| | | | |
|---|---|---|---|
| **CSCD 5006** | *12513* | Major Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5007** | *12514* | Major Literature Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5008** | *12515* | Major Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5009** | *12516* | Major Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5016** | *12522* | Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |

■ **Year 2**

**Semester 1**

Enrol in 2 of the following units that have not been previously completed

| | | | |
|---|---|---|---|
| **CSCD 5002** | *12509* | Emerging Trends in Speech Language Pathology: Child Language and Phonology | 6 |
| **CSCD 5003** | *12510* | Emerging Trends in Speech-Language Pathology: Neurogenic Impairment | 6 |
| **CSCD 5004** | *12511* | Emerging Trends in Speech-Language Pathology: Voice | 6 |
| **CSCD 5005** | *12512* | Emerging Trends in Speech-Language Pathology: Stuttering | 6 |
| **CSCD 5015** | *12521* | Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication | 6 |

**Semester 2**

Enrol in 1 of the following units on the same topic as the unit of the Major Literature Review enrolled in above:

| | | | |
|---|---|---|---|
| **CSCD 5010** | *12517* | Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology | 12 |
| **CSCD 5011** | *12518* | Specialist Review in Speech-Language Pathology: Neurogenic Impairment | 12 |
| **CSCD 5013** | *12519* | Specialist Literature Review in Speech-Language Pathology: Voice | 12 |
| **CSCD 5014** | *12520* | Specialist Literature Review in Speech-Language Pathology: Stuttering | 12 |
| **CSCD 5017** | *12523* | Specialist Review in Speech-Language Pathology: Augmentative and Alternative Communication | 12 |

# ■ Master of Communication Disorders by Research

The Master of Communication Disorders is a research program designed for qualified speech pathologists who wish to develop specialisation in a particular clinical area. The course may be taken on a full-time or part-time basis. Completion of the course requires submission of an acceptable thesis on a clinically relevant topic.

### Admission requirements

In order to qualify for admission to the degree, applicants shall possess:

i) A bachelor's degree in speech pathology from an Australian tertiary institution; or
ii) A bachelor's degree from an overseas institution equivalent to an Australian bachelor's degree in speech pathology; and
iii) A minimum of twelve months professionally relevant post-graduation experience

### Course outline

The course outlines for Master of Communication Sciences and Disorders (by Research) are presented in Table 19.29.

Table 19.29: Master of Communication Disorders by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1215: full-time, minimum 1.5 years, maximum 2 years<br>Course code 1216: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **CSCD 6019** | *12508A* | Clinical Research Thesis | |
| **CSCD 6020** | *12508B* | Clinical Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **CSCD 6019** | *12508A* | Clinical Research Thesis | |
| **CSCD 6020** | *12508B* | Clinical Research Thesis | |

# ■ Master of Applied Science (Communication Sciences and Disorders) by Research

The Master of Applied Science course in Communication Sciences and Disorders is a research program designed to prepare individuals to pursue their career objectives as specialist clinicians, administrators, academics or researchers in the field of communication sciences and disorders. Completion of the course requires submission of an acceptable thesis.

### Admission requirements

In order to qualify for admission to the degree, applicants shall possess:

i) A bachelor's degree in an area of relevance such as speech pathology, psychology, linguistics, education, computer studies, audiology, from an Australian tertiary institution; or
ii) A bachelor's degree in an area of relevance from an overseas institution equivalent to an Australian bachelor degree; or
iii) Evidence of general and academic qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

### Course outline

The course outlines for Master of Applied Science (Communication Sciences and Disorders) by Research are presented in Table 19.30.

Table 19.30: Master of Applied Science (Communication Sciences and Disorders) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1213: full-time, minimum 1.5 years, maximum 2 years<br>Course code 1214: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **CSCD 6014** | *12507A* | Research Thesis | |
| **CSCD 6015** | *12507B* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **CSCD 6014** | *12507A* | Research Thesis | |
| **CSCD 6015** | *12507B* | Research Thesis | |

# ■ Communication Sciences and Disorders units of study

### CSCD 5002 Emerging Trends in Speech Language Pathology: Child Language and Phonology

Old code 12509. 6 credit points. Dr Linda Hand. **Semester**: 1. **Classes**: Off-campus, independent study. **Assessment**: written literature review, essay.

This unit provides an overview of current trends in the area of child language and phonology that are emerging from the recent literature and guides students to identifying future implications for professional practice.

### CSCD 5003 Emerging Trends in Speech-Language Pathology: Neurogenic Impairment

Old code 12510. 6 credit points. Ms Christine Sheard. **Semester**: 1. **Classes**: Off-campus, independent study. **Assessment**: written literature review, essay.

This unit provides an overview of current trends in the area of Neurogenic Impairment that are emerging from the recent literature and guides students to identifying future implications for professional practice.

### CSCD 5004 Emerging Trends in Speech-Language Pathology: Voice

Old code 12511. 6 credit points. **Semester**: 1. **Classes**: Off-campus, independent study. **Assessment**: written literature review, essay.

This unit provides an overview of current trends in the area of Voice that are emerging from the recent literature and guides students to identifying future implications for professional practice.

### CSCD 5005 Emerging Trends in Speech-Language Pathology: Stuttering

Old code 12512. 6 credit points. Dr Michelle Lincoln. **Semester**: 1. **Classes**: Off-campus, independent study. **Assessment**: written literature review, essay.

This unit provides an overview of current trends in the area of Stuttering that are emerging from the recent literature and guides students to identifying future implications for professional practice.

### CSCD 5006 Major Literature Review in Speech-Language Pathology: Child Language and Phonology

Old code 12513. 12 credit points. Dr Linda Hand. **Semester**: 2. **Classes**: Off-campus mode, independent study. **Prerequisite**: CSCD 5002 (12509) Emerging Trends in Speech-Language Pathology: Child Language and Phonology and an approved Plan of study. **Assessment**: written literature review, essay.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Child Language and Phonology unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

### CSCD 5007 Major Literature Review in Speech-Language Pathology: Neurogenic Impairment

Old code 12514. 12 credit points. Ms Christine Sheard. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: CSCD 5003 (12510) Emerging Trends in Speech-Language Pathology: Neurogenic Impairment and an approved Plan of study. **Assessment**: written literature review, essay.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Neurogenic Impairment unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

### CSCD 5008 Major Literature Review in Speech-Language Pathology: Voice

Old code 12515. 12 credit points. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: CSCD 5004 (12511) Emerging Trends in Speech-Language Pathology: Voice and an approved Plan of study. **Assessment**: written literature review, essay.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Voice unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

### CSCD 5009 Major Literature Review in Speech-Language Pathology: Stuttering

Old code 12516. 12 credit points. Dr Michelle Lincoln. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: CSCD 5005 (12512) Emerging Trends in Speech-Language Pathology: Stuttering and an approved Plan of study. **Assessment**: written literature review, essay.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Stuttering unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

### CSCD 5010 Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology

Old code 12517. 12 credit points. Dr Linda Hand. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: (or Corequisite) CSCD 5006 (12513) Major Literature Review in Speech-Language Pathology: Child Language and Phonology. **Assessment**: written literature review, essay.

The unit, Specialist Literature Review in Speech-Language Pathology: Child Language and Phonology, extends or augments the specific topic examined in the articulated unit, CSCD 5006 (12513) Major Literature Review in Speech-Language Pathology: Child Language and Phonology. Students prepare an indepth paper reflecting the major issues.

### CSCD 5011 Specialist Review in Speech-Language Pathology: Neurogenic Impairment

Old code 12518. 12 credit points. Ms Christine Sheard. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: (or Corequisite) CSCD 5007 (12514) Major Literature Review in Speech-Language Pathology: Neurogenic Impairment. **Assessment**: written literature review, essay.

The unit, Specialist Literature Review in Speech-Language Pathology: Neurogenic Impairment, extends or augments the specific topic examined in the articulated unit, CSCD 5007 (12514) Major Literature Review in Speech-Language Pathology: Neurogenic Impairment. Students prepare an indepth paper reflecting the major issues.

### CSCD 5013 Specialist Literature Review in Speech-Language Pathology: Voice

Old code 12519. 12 credit points. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: (or Corequisite) CSCD 5008 (12515) Major Literature Review in Speech-Language Pathology Voice. **Assessment**: written literature review, essay.

The unit, Specialist Literature Review in Speech-Language Pathology: Voice, extends or augments the specific topic examined in the articulated unit, CSCD 5008 (12515) Major Literature Review in Speech-Language Pathology: Voice. Students prepare an indepth paper reflecting the major issues.

### CSCD 5014 Specialist Literature Review in Speech-Language Pathology: Stuttering

Old code 12520. 12 credit points. Dr Michelle Lincoln. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: (or Corequisite) CSCD 5009 (12516) Major Literature Review in Speech-Language Pathology: Stuttering. **Assessment**: written literature review, essay.

The unit, Specialist Literature Review in Speech-Language Pathology: Stuttering, extends or augments the specific topic examined in the articulated unit, CSCD 5009 (12516) Major Literature Review in Speech-Language Pathology: Stuttering. Students prepare an indepth paper reflecting the major issues.

### CSCD 5015 Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication

Old code 12521. 6 credit points. Dr Susan Balandin. **Semester**: 1. **Classes**: Off-campus, independent study. **Assessment**: written literature review, essay.

This unit provides an overview of current trends in the area of augmentative and alternative that are emerging from the recent literature and guides students to identifying future implications for professional practice.

### CSCD 5016 Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication

Old code 12522. 12 credit points. Dr Susan Balandin. **Semester**: 2. **Classes**: Off-campus mode, independent study. **Prerequisite**: CSCD 5015 (12521X) Emerging Trends in Speech-Language Pathology: Augmentative and Alternative Communication and an approved Plan of study. **Assessment**: written literature review, essay.

This unit extends the specific topics covered in the articulated Emerging Trends in Speech-Language Pathology: Augmentative and alternative communication unit. Students examine a specific topic in greater and deeper detail by reviewing, analysing, synthesising relevant literature.

### CSCD 5017 Specialist Review in Speech-Language Pathology: Augmentative and Alternative Communication

Old code 12523. 12 credit points. Dr Susan Balandin. **Semester**: 2. **Classes**: Off-campus, independent study. **Prerequisite**: Approved Plan of study. (or Corequisite) CSCD 5016 (12522X) Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication. **Assessment**: written literature review, essay.

The unit, Specialist Literature Review in Speech-Language Pathology: Augmentative and alternative communication, extends or augments the specific topic examined in the articulated unit, CSCD 5016 Major Literature Review in Speech-Language Pathology: Augmentative and Alternative Communication. Students prepare an in-depth paper reflecting the major issues.

### CSCD 6014 Research Thesis

Old code 12507A. Dr Sue Balandin. **Semester**: 1, 2. **Assessment**: thesis only.

Supervisors will be appointed to assist the student in the conduct of the research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). Facilities and equipment necessary to conduct the thesis project will be arranged with the School, subject to approval of the project design and equipment necessary to conduct the project.

### CSCD 6015 Research Thesis

Old code 12507B. Dr Sue Balandin. **Semester**: 1, 2. **Assessment**: thesis only.

Supervisors will be appointed to assist the student in the conduct of the research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). Facilities and equipment necessary to conduct the thesis project will be arranged with the School, subject to approval of the project design and equipment necessary to conduct the project.

### CSCD 6019 Clinical Research Thesis

Old code 12508A. Dr Sue Balandin. **Semester**: 1, 2. **Assessment**: thesis only.

Supervisors will be appointed to assist the student in the conduct of a clinically relevant research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). To assist the student in developing an acceptable clinical research project, the student will participate in supporting activities with the supervisor(s) involving mentored clinical experience in the student's chosen specialist area and clinical speciality knowledge dissemination. Clinical facilities and equipment necessary to conduct the research will be arranged with the School, subject to approval of the project design.

### CSCD 6020 **Clinical Research Thesis**

Old code 12508B. Dr Sue Balandin. **Semester**: 1, 2. **Assessment**: thesis only.

Supervisors will be appointed to assist the student in the conduct of a clinically relevant research project if approval is given for the project to be carried out. Supervision will normally involve regular meetings with the supervisor(s). To assist the student in developing an acceptable clinical research project, the student will participate in supporting activities with the supervisor(s) involving mentored clinical experience in the student's chosen specialist area and clinical speciality knowledge dissemination. Clinical facilities and equipment necessary to conduct the research will be arranged with the School, subject to approval of the project design.

# School of Exercise and Sport Science

## ■ Graduate Certificate of Health Science (Exercise and Sport Science)

The coursework for the Graduate Certificate in Health Science (Exercise and Sport Science) is designed to provide an introduction to graduate studies in exercise and sport science and to provide a grounding in basic exercise and sport sciences for people involved in sport coaching, who work in the fitness industry, or who advise sports people in their professional practice. The work will be presented with the assumption that the student has a background knowledge of anatomy or physiology or is prepared to acquire this prior to commencing the course.

### Admission requirements

(i) To qualify for admission, applicants shall possess an Australian/overseas equivalent undergraduate degree in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields. A background in anatomy or biomechanics and physiology is essential.

(ii) An undergraduate degree and additional qualification or experience as deemed appropriate by the Head of School.

### Full time students (first 24 credit points)

Students who achieve an average credit grade in the Graduate Certificate may articulate to the Master's degree and complete the Master's degree with additional 24 credit points full time study in semester 2.

### Course outline

The course outline for the Graduate Certificate of Health Science (Exercise and Sport Science) is presented in Table 19.31.

Table 19.31: Graduate Certificate of Health Science (Exercise and Sport Science)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2213: full-time, 1 semester minimum<br>Course code 2214: part-time, 2 semesters minimum<br>Award total: 24 credit points | | | |
| **Full-time mode** | | | |
| 22E12A: Select 24 credit points of electives in Semester 1 | | | 24 |
| **Part-time mode** | | | |
| **Semester 1** | | | |
| 22E12A: Select 12 credit points of electives | | | 12 |
| **Semester 2** | | | |
| 22E12B: Select 12 credit points of electives | | | 12 |
| **Electives** | | | |
| **Semester 1** | | | |
| **BACH 5332** | *255A4* | Motor Learning | 4 |
| **BACH 5333** | *255A5* | Psychosocial Aspects of Sport | 4 |
| **EXSS 5029** | *22529* | Applied Physiology | 6 |
| **EXSS 5030** | *22530* | Human Mechanics | 6 |
| **EXSS 5032** | *22532* | Sports Nutrition | 4 |
| **EXSS 5038** | *22538* | Exercise Testing and Prescription I (General Principles) | 4 |
| **EXSS 5041** | *22541* | Study Design | 4 |
| **EXSS 5042** | *22542* | Kinesiology | 4 |
| **Semester 2** | | | |
| **BACH 5331** | *255A3* | Research Methods | 4 |
| **EXSS 5033** | *22533* | Advanced Cardiorespiratory Physiology | 4 |
| **EXSS 5035** | *22535* | Applied Biomechanics | 6 |
| **EXSS 5036** | *22536* | Exercise and Rehabilitation | 6 |
| **EXSS 5039** | *22539* | Exercise Testing and Prescription II (The Sports Person) | 4 |
| **EXSS 5040** | *22540* | Exercise and Ageing | 4 |
| **EXSS 5043** | *22543* | Advanced Musculoskeletal Physiology | 4 |

## ■ Graduate Diploma of Health Science (Exercise and Sport Science)

This course is designed to provide an opportunity for advanced study in exercise and sport science with a focus on the areas of applied physiology, human mechanics and motor learning. It is anticipated that this study will be an extension of the student's prior training and professional role. The course will be presented with the assumption that the student has a background knowledge of anatomy or biomechanics and physiology or is prepared to acquire it, prior to commencing the course.

### Admission requirements

To qualify for admission, applicants shall possess an Australian/or overseas equivalent undergraduate degree (Pass or Honours) in medicine, physiotherapy, occupational therapy, nursing, physical education or other related fields. A background in anatomy or biomechanics and physiology is essential.

### Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty.

### Qualifying statement

Notwithstanding the above requirements for admission, the Faculty may require the applicants to demonstrate, by examination or appropriate work that they are suitable candidates, before being admitted to the program.

### Course outline

The course outline for the Graduate Diploma of Health Science (Exercise and Sport Science) is presented in Table 19.32.

Elective units of study may be chosen from these below, or subject to Head of School approval, may be taken from within or outside the School or Faculty.

Table 19.32: Graduate Diploma of Health Science (Exercise and Sport Science)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2216: part-time, 1 year minimum<br>Award total: 36 credit points<br>Students completing the Graduate Diploma of Health Science (Exercise and Sport Science) (36 credit points) with a Credit grade average, may apply to articulate to the Master of Health Science (Exercise and Sport Science). | | | |
| **Part-time mode** | | | |
| **Semester 1** | | | |
| **EXSS 5029** | *22529* | Applied Physiology | 6 |
| **EXSS 5030** | *22530* | Human Mechanics | 6 |
| 22G12A: Select 12 credit points of electives | | | 12 |
| **Semester 2** | | | |
| 22G12B: Select 12 credit points of electives | | | 12 |
| Elective units of study may be chosen from the list below, or subject to Head of School approval, may be taken from within or outside the School or Faculty. | | | |
| **Electives** | | | |
| **Semester 1** | | | |
| **BACH 5332** | *255A4* | Motor Learning | 4 |
| **EXSS 5032** | *22532* | Sports Nutrition | 4 |
| **EXSS 5038** | *22538* | Exercise Testing and Prescription I (General Principles) | 4 |
| **EXSS 5041** | *22541* | Study Design | 4 |
| **EXSS 5042** | *22542* | Kinesiology | 4 |
| **Semester 2** | | | |
| **BACH 5331** | *255A3* | Research Methods | 4 |
| **BACH 5333** | *255A5* | Psychosocial Aspects of Sport | 4 |
| **EXSS 5033** | *22533* | Advanced Cardiorespiratory Physiology | 4 |

Table 19.32: Graduate Diploma of Health Science (Exercise and Sport Science) (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **EXSS 5035** | *22535* | Applied Biomechanics | 6 |
| **EXSS 5036** | *22536* | Exercise and Rehabilitation | 6 |
| **EXSS 5039** | *22539* | Exercise Testing and Prescription II (The Sports Person) | 4 |
| **EXSS 5040** | *22540* | Exercise and Ageing | 4 |
| **EXSS 5043** | *22543* | Advanced Musculoskeletal Physiology | 4 |

# ■ Master of Health Science (Exercise and Sport Science) Pass course

This course aims to provide advanced study in the broad discipline of exercise and sport science. It is designed to equip graduates with an in depth understanding of applied physiology, applied biomechanics, and the effect of health disorders on exercise performance, together with the knowledge and skills to conduct exercise testing of symptomatic and asymptomatic population groups and prescribe appropriate exercise programs. Sport specific studies related to nutrition and physiology are also undertaken.

### Admission requirements

The programs Graduate Diploma, Master and Master's Honours, constitute an articulated sequence. All candidates are required to initially enrol in the Graduate Diploma. Applied Physiology and Human Mechanics (6 credit points each) are compulsory. Subsequent articulation to the Masters program is contingent on the student achieving a Credit grade average in the first 24 credit points of study undertaken. Articulation into the Master's Honours program is contingent upon the student achieving a Credit average over 48 credit points.

### Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty.

### Course outline

The course outline for the Master of Health Science (Exercise and Sport Science) Pass course is presented in Table 19.33. Elective units of study may be chosen from these below, or subject to Head of School approval, may be taken from within or outside the School or Faculty.

Table 19.33: Master of Health Science (Exercise and Sport Science) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2217: full-time, 1 year<br>Course code 2218: part-time, 2 years<br>Credit points: 48 | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **EXSS 5029** | *22529* | Applied Physiology | 6 |
| **EXSS 5030** | *22530* | Human Mechanics | 6 |
| 22G12A: Select a total of 12 credit points of electives in Semester 1. | | | |
| **Semester 2** | | | |
| 22G24B: Select a total of 24 credit points of electives in Semester 2. | | | |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **EXSS 5029** | *22529* | Applied Physiology | 6 |
| **EXSS 5030** | *22530* | Human Mechanics | 6 |
| **Semester 2** | | | |
| 22G12B: Select a total of 12 credit points of electives in Semester 2. | | | |

Table 19.33: Master of Health Science (Exercise and Sport Science) Pass course (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| 22G12A: Select a total of 12 credit points of electives in Semester 1. | | | |
| **Semester 2** | | | |
| 22G12B: Select a total of 12 credit points of electives in Semester 2. Elective units of study may be chosen from the list below, or subject to Head of School approval, may be taken from within or outside the School or Faculty. | | | |
| **Electives** | | | |
| **Semester 1** | | | |
| **BACH 5332** | *255A4* | Motor Learning | 4 |
| **EXSS 5032** | *22532* | Sports Nutrition | 4 |
| **EXSS 5038** | *22538* | Exercise Testing and Prescription I (General Principles) | 4 |
| **EXSS 5041** | *22541* | Study Design | 4 |
| **EXSS 5042** | *22542* | Kinesiology | 4 |
| **Semester 2** | | | |
| **BACH 5331** | *255A3* | Research Methods | 4 |
| **BACH 5333** | *255A5* | Psychosocial Aspects of Sport | 4 |
| **EXSS 5033** | *22533* | Advanced Cardiorespiratory Physiology | 4 |
| **EXSS 5035** | *22535* | Applied Biomechanics | 6 |
| **EXSS 5036** | *22536* | Exercise and Rehabilitation | 6 |
| **EXSS 5039** | *22539* | Exercise Testing and Prescription II (The Sports Person) | 4 |
| **EXSS 5040** | *22540* | Exercise and Ageing | 4 |
| **EXSS 5043** | *22543* | Advanced Musculoskeletal Physiology | 4 |

# ■ Master of Health Science (Exercise and Sport Science) Honours

This course aims to provide advanced study in the broad discipline of exercise and sport science. It is designed to equip graduates with an in depth understanding of applied physiology, applied biomechanics, the effects of health disorders on exercise performance, together with the knowledge and skills to conduct exercise testing of symptomatic and asymptomatic population groups and prescribe appropriate exercise programs. Sport specific studies related to nutrition and physiology are also undertaken. Graduates will be introduced to applied research in these topics through the preparation of a research dissertation.

### Admission requirements

The programs, Graduate Diploma, Master and Master's Honours, constitute an articulated sequence. All candidates are required to initially enrol in the Graduate Diploma. Applied Physiology and Human Mechanics (6 credit points each) are compulsory for the Graduate Diploma. Subsequent articulation to the Masters program is contingent on the student achieving a Credit grade average in the first 24 credit points of study undertaken. Articulation into the Masters Honours program is contingent upon the student achieving a Credit average over 48 credit points.

### Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty.

### Course outline

The course outline for the Master of Health Science (Exercise and Sport Science)(Honours) is presented in Table 19.33.1.

# ■ Master of Applied Science (Exercise and Sport Science) by Research

The Master of Applied Science (Exercise and Sport Science) by Research provides the opportunity for research into specific areas of exercise and sport sciences. This research degree comprises a minimal coursework component, designed specifically to facilitate the student's research progress.

### Admission requirements

To qualify for admission to the Master of Applied Science (Exercise and Sport Science) by Research program, applicants

Table 19.33.1: Master of Health Science (Exercise and Sport Science) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2219: full-time, 1.5 years<br>Course code 2220: part-time, 2.5 years<br>Credit points: 60 | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **EXSS 5037** | *22537* | Research Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3** | | | |
| **Semester 1** | | | |
| **EXSS 5037** | *22537* | Research Dissertation | 12 |

shall possess an undergraduate degree in science, medicine, physiotherapy, occupational therapy, nursing, human movement sciences, physical education or other related fields. A background in anatomy and biomechanics or physiology is essential. Students may be directed to undertake a qualifying program based on coursework offered in the Master of Health Science (Exercise and Sport Science) Pass course.

### Special circumstances

In special circumstances a person may be admitted as a candidate on the submission of an academic transcript and professional attainment that is approved by the Faculty. Advanced Standing may be granted for the coursework component of the Master of Applied Science (Exercise and Sport Science) by Research degree, by the Faculty.

### Qualifying statement

Notwithstanding the above requirements for admission, the Faculty may require the applicants to demonstrate by examination or appropriate work that they are suitable candidates before being admitted to the program.

### Course outline

The course outline for the Master of Applied Science (Exercise and Sport Science) by Research is presented in Table 19.34. This table refers to the standard program for pass entry students. This program may alter depending on the entry level of the student.

Table 19.34: Master of Applied Science (Exercise and Sport Science) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2211: Special Qualifying Program (for Master's qualifying students)<br>Course code 2203: full-time, minimum 1.5 years, maximum 2 years<br>Course code 2204: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **EXSS 6002** | *22501A* | Research Thesis | |
| **EXSS 6003** | *22501B* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **EXSS 6002** | *22501A* | Research Thesis | |
| **EXSS 6003** | *22501B* | Research Thesis | |

# ■ Exercise and Sport Science units of study

### BACH 5331 **Research Methods**

Old code 255A3. 4 credit points. Dr Peter Choo (02) 9351 9583. **Semester**: 2. **Classes**: On-campus. **Assessment**: Written examination.

*NB: Exercise and Sports Science only*

Familiarity is assumed with basic descriptive and inferential methods. These basic methods are expanded upon with the major focus being on problem solving with a view to extracting meaning from data. The emphasis is on practical application of methodologies with extensive use made of modern statistical software. The nexus between design and analysis is stressed using a linear model approach to demonstrate the partitioning of variance and the behaviour of random error. Single and multiple variable models are considered. The specific research designs and strategies used to illustrate concepts will be tailored to the needs and expectations of the students.

### BACH 5332 **Motor Learning**

Old code 255A4. 4 credit points. Dr Roger Adams (02) 9351 9275. **Semester**: 1.

*NB: For Exercise and Sport Science students only.*

This unit develops the model of information processing in the human sensory-motor system as the basis of the acquisition and execution of motor behaviour. Topics covered include: the stages of skill acquisition; automatic versus conscious motor control; expert-novice skill differences in pattern recognition and movement production, simultaneous multi-task performance; attention, effort and resources; planning and controlling movements; hemispheric specialisation; memory for movements; imagery and mental rehearsal; practice and automatisation; stress, arousal and performance; disorders of movement; ecological and motor program approaches to motor learning.

### BACH 5333 **Psychosocial Aspects of Sport**

Old code 255A5. 4 credit points. Mr Ian Andrews (02) 9351 9611. **Semester**: 1. **Classes**: On campus or contract learning depending on the number of students enrolled.

The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete staleness and burnout; stress, injury and psychological rehabilitation.

The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.

### EXSS 5029 **Applied Physiology**

Old code 22529. 6 credit points. Mr Tom Gwinn (02) 9351 9569. **Semester**: 1.

A sound knowledge of basic human physiology is required for this unit. The unit provides the student with the background knowledge in exercise and environmental physiology required for the units in Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology, Exercise Testing and Prescription, and Exercise and Rehabilitation. It reviews the acute cardiovascular, respiratory, metabolic, renal, neuromuscular and thermoregulatory responses to exercise. The effects of thermal and hypoxic environmental stresses on exercise responses are then considered. The modifying effects of physiological adaptations arising from deconditioning, physical training and acclimatisation are examined in the light of variations in habitual activity and environmental stress. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

### EXSS 5030 **Human Mechanics**

Old code 22530. 6 credit points. Associate Professor Richard Smith. **Semester**: 1. **Classes**: On-campus 4 hours/week. **Assessment**: Assignment and examinations.

This unit applies the principles of functional anatomy and biomechanics to the analysis of selected activities. The unit aims to investigate the relationship between anatomical structure and function particularly in relation to the body during sport and exercise. Methods of estimation of muscle activity

(electromyography) will be used to explore how muscles create the internal forces in the human body necessary for balance, movement and protection of joints. The unit will also introduce some basic analysis of human physical task performance. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

**Practical**: Practical assignment included

*Textbooks*

Skeletal muscle structure and function. Leiber, R.L.

### EXSS 5032 Sports Nutrition

Old code 22532. 4 credit points. Dr Helen O'Connor (02) 9351 9328. **Semester**: 1. **Classes**: On campus 2–4 hr per week. **Assessment**: Assignment and final examination.

This unit provides students with background knowledge on nutrition as applied to sports performance. Special emphasis is given to the involvement of trace elements, amino acids as a fuel, dietary fibre, use of simple versus complex carbohydrates, etc. Practices such as 'bicarbonate loading', excessive intake of proteins/amino acids, ingestion of glucose polymers and 'carbohydrate loading' are also considered. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

*Textbooks*

Clinical Sports Nutrition, Burke and Deakin, McGraw-Hill

### EXSS 5033 Advanced Cardiorespiratory Physiology

Old code 22533. 4 credit points. Dr Chin Moi Chow. **Semester**: 2.

This program expands upon the physiological responses to exercise and training dealt with in Applied Physiology, with particular reference to the cardio-respiratory system. Attention will be paid to the limitations of the heart-lung systems for elite performance, and the effects of cardiovascular and respiratory disorders on functional performance. There will also be a comprehensive review of cardiovascular regulation during exercise with specific reference to clinical populations. Additionally, the cardiorespiratory responses to exercise in children will be examined. Offered by full-time and part-time coursework on campus with regularly scheduled classes held in the early evenings.

### EXSS 5035 Applied Biomechanics

Old code 22535. 6 credit points. Dr Peter Sinclair. **Semester**: 2. **Classes**: On-campus 4 hours/week. **Assessment**: Assignment and examinations.

This unit extends and deepens the tools for assessing the mechanical effectiveness and efficiency of movement introduced in Human Mechanics. The mechanical properties of tissues and anatomical structures will be related to injury occurrence and prevention. These concepts and skills will be applied to a variety of human tasks from sport, leisure and work through in-depth case studies. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

**Practical**: Practical assignment included

*Textbooks*

Introduction to Sports Biomechanics. Bartlett, R.

### EXSS 5036 Exercise and Rehabilitation

Old code 22536. 6 credit points. Dr John Brotherhood. **Semester**: 2. **Assessment**: Continuous assessment.

This unit provides the student with knowledge on the application of physical activity to the promotion and maintenance of health, and in rehabilitation. Topics include habitual physical activity in the prevention of disease, the effects of heart and lung disorders and functional capacity, and the effects on exercise responses of therapeutic interventions such as surgery and medication, bed rest, and immobilisation in the treatment of injury. These topics are complemented by consideration of the role of habitual physical activity in public health, and the use of exercise in rehabilitation. Throughout, there is strong emphasis on the biological basis of the application of exercise to health promotion, and in optimising function in the daily life of people with chronic health disorders. Close integration with the units Applied Physiology and Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology highlights the interactions between disease and normal exercise physiology, and integration with the unit Exercise Testing and Prescription provides the practical background to the application of exercise in the evaluation and rehabilitation of people suffering from health disorders or injury. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

### EXSS 5037 Research Dissertation

Old code 22537. 12 credit points. **Semester**: 1.

In this unit students conduct an investigative project related to exercise physiology and biomechanics. This project may take one of several formats including: a quality assurance project, study of acute responses to exercise in a small sample of healthy or disabled individuals, a sports/exercise epidemiological study, extensive literature review, or a minor research project related to exercise and sport science.

### EXSS 5038 Exercise Testing and Prescription I (General Principles)

Old code 22538. 4 credit points. Dr Jacqui Raymond (02) 9351 9528. **Semester**: 1. **Classes**: On campus, scheduled lectures and practical classes. **Assumed knowledge**: Basic physiology. **Assessment**: Written examination and written report.

This unit provides students with fundamental knowledge about conducting exercise tests and providing exercise programs for apparently healthy individuals. The exercise testing component covers pre-exercise screening and techniques for assessing cardiorespiratory fitness, body composition, flexibility and muscle strength in non-athletic, but healthy populations. The use of exercise tests in the occupational setting is also addressed. The exercise prescription component covers the basic principles of prescribing exercise to develop cardiorespiratory fitness and muscle performance in non-athletic, but healthy populations. Practical classes are designed to support the lecture material and include areas such as resistance training instruction, measuring flexibility and anthropometrical techniques.

### EXSS 5039 Exercise Testing and Prescription II (The Sports Person)

Old code 22539. 4 credit points. Associate Professor Martin Thompson. **Semester**: 2. **Classes**: On campus, scheduled lectures and practical classes. **Assumed knowledge**: Applied Physiology EXSS 5029 (22529), Exercise Testing and Prescription I EXSS 5038 (22538). **Assessment**: Written examination and written report.

This unit provides students with knowledge about the application of testing procedures to the identification and evaluation of athletic ability and about the provision of training programs for the preparation of athletes. The exercise testing component critically reviews principles and methods for assessing anaerobic power and capacity, endurance and muscle strength and power in athletes. The exercise prescription component covers athlete training programs for increasing anaerobic power and capacity, endurance, speed and muscle strength and power. Issues related to athletic training, such as dose-response, overtraining, detraining, periodicity, warm-up and acclimatisation will also be addressed. Practical classes are designed to support the lecture material and will cover various athlete testing protocols.

*Textbooks*

Gore (2000) Physiological Tests for Elite Athletes

### EXSS 5040 Exercise and Ageing

Old code 22540. 4 credit points. Professor Maria Fiatarone Singh. **Semester**: 2. **Classes**: On-campus, Lectures and workshops. **Assessment**: Final report on topic of choice, class participation.

This course will cover the rationale and recommendations for the use of exercise and the promotion of physical activity in older adults. Topics will include:

- Evidence that exercise can minimise the physiological changes of ageing
- Evidence that exercise contributes to psychological health and well being
- Relationship between exercise and age related changes in body composition associated with poor health outcomes
- The role of exercise in the prevention of chronic disease and disability
- The role of exercise in the treatment of chronic disease and disability
- The choice of appropriate exercise modalities in the older adult
- Risks and benefits of exercise in older adults
- Promotion of adoption and adherence to exercise recommendations in fit and frail older adults
- Practical implementation of the exercise prescription

*Textbooks*

Recommended: Fiaratone Singh (Ed), Exercise, Nutrition and the Older Woman, CRC Press, 2000

### EXSS 5041 **Study Design**

Old code 22541. 4 credit points. Professor Maria Fiatarone Singh. **Semester**: 1. **Classes**: Held in January/February. **Assessment**: Essay, written reports.

The main emphasis of this unit is to learn and apply principles of design and development in scientific research. Students will also become competent in the critical evaluation of literature and research design. Content will include choosing a study design, designing a control group/intervention, calculation of sample size (power), selection of outcome measures, data collection and analysis, and presentation skills. Example studies will be derived from the field of exercise and sport science, with a strong clinical emphasis in the topics chosen. Students will become familiar with the use of computers to graphically present data, for referencing purposes, and for the use in oral presentations. Actively applying knowledge gained from this unit will benefit the design and application of future research projects.

*Textbooks*

Thomas, J.R. & Nelson, J.K., Research Methods in Physical Activity, 4th Ed., Human Kinetics, 2001

### EXSS 5042 **Kinesiology**

Old code 22542. 4 credit points. Dr Marg Torode. **Semester**: 1. **Assumed knowledge**: Basic anatomy. **Assessment**: Written examination.

This unit applies a comprehensive analysis of movement to the joints of the human body. Emphasis will be placed on joint structure and muscle function of the major joints in the context of kinematics and kinetics. The examination of cadaveric specimens will enhance this aspect of learning. In addition, the general effects of gender, ageing, injury and developmental deficits of joint structure will be explored in relation to rehabilitation, sport and exercise.

*Textbooks*

Norkin & Levangie, Joint Structure and Function, 1992

### EXSS 5043 **Advanced Musculoskeletal Physiology**

Old code 22543. 4 credit points. Associate Professor Martin Thompson. **Semester**: 2.

This unit expands upon the physiology of the exercise response and adaptations to exercise training dealt with at an undergraduate level and in Applied Physiology, with particular reference to skeletal muscle and bone. Using an integrated approach this unit considers the normal and abnormal exercise response before proceeding to investigate specific topics related to skeletal muscle metabolism. Fatigue, damage, healing and pharmacological effects, and environmental stresses will be discussed. Particular attention will be paid to the metabolic adaptation of skeletal muscle to detraining and training, and the application of these adaptations to sporting, pathological and rehabilitation settings. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

### EXSS 6002 **Research Thesis**

Old code 22501A. **Semester**: 1, 2.

Students will not be permitted to proceed with the research thesis unless the coursework and any Special Program (Exercise and Sport Science) undertaken has been satisfactorily completed. During subsequent semesters students will be expected to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops. The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree in Exercise and Sport Science. For details of the requirements, supervision and assessment of research thesis, chapter 3 should be consulted.

Each person will be required to submit a research proposal at the end of first semester of the full-time pass entry course.

### EXSS 6003 **Research Thesis**

Old code 22501B. **Semester**: 1, 2.

Students will not be permitted to proceed with the research thesis unless the coursework and any Special Program (Exercise and Sport Science) undertaken has been satisfactorily completed. During subsequent semesters students will be expected to carry out their research under approved supervision and student seminars will be held concurrently as the research thesis develops. The procedures for supervision, presentation and assessment of the research thesis will be in accordance with the Faculty rules for a Master of Applied Science degree in Exercise and Sport Science. For details of the requirements, supervision and assessment of research thesis, chapter 3 should be consulted.

Each person will be required to submit a research proposal at the end of first semester of the full-time pass entry course.

# School of Health Information Management

## ■ Graduate Certificate of Health Science (Casemix)

*NB: Not offered in 2004*

This course is designed to enable graduates to obtain knowledge of the design, uses and evaluation of casemix systems. The Graduate Certificate is suitable for both managers and health professionals working with casemix information systems as well as senior managers who need to keep abreast of current casemix issues and their implications for health services management and planning.

### Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

i) A bachelor degree from an Australian tertiary institution; or
ii) A bachelor degree from an overseas institution equivalent to an Australian Bachelor degree; or
iii) Experience and/or qualifications as deemed appropriate by the Head of School.

### Course outline

The course outline for the Graduate Certificate of Health Science (Casemix) is presented in Table 19.35.

Table 19.35: Graduate Certificate of Health Science (Casemix)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0914: part-time, minimum 2 semesters<br>Course code 0930: off-campus, part-time, minimum 2 semesters<br>Award total: 24 credit points | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| **HIMT 5019** | *09501* | Introduction to Casemix | 6 |
| **HIMT 5020** | *09502* | Generating and Using Casemix Information | 6 |
| **Semester 2** | | | |
| **HIMT 5021** | *09503* | Casemix Funding and Financial Management | 6 |
| **HIMT 5022** | *09504* | Implementing Casemix Systems | 6 |

## ■ Graduate Certificate of Health Science (Clinical Data Management)

This course is designed to provide health professionals with a working knowledge of the management of clinical data used in clinical trials and other projects. The course is suitable for health information managers, data managers and other health professionals working with, or planning to work with, clinical data and other health databases.

A one week residential School is normally held at the end of Semester 1.

On successful completion of the Graduate Certificate program, students may apply to articulate into the Master of Health Science (Clinical Data Management) with credit transfer for units completed.

### Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

i) A bachelor degree in an appropriate discipline from an Australian tertiary institution; or
ii) A bachelor degree in an appropriate discipline from an overseas institute equivalent to an Australian bachelor degree; or
iii) Experience and/or a qualification as deemed appropriate by the Head of School.

Applicants must be able to demonstrate familiarity with major microcomputing software such as DOS, Windows, word processing, a database package and a spreadsheet package.

### Course outline

The course outline for the Graduate Certificate of Health Science (Clinical Data Management) is presented in Table 19.36.

Table 19.36: Graduate Certificate of Health Science (Clinical Data Management)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0915: off-campus, part-time, minimum 2 semesters<br>Award total: 24 credit points | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| **HIMT 5025** | *09507* | Clinical Data Management and Clinical Trials | 6 |
| **HIMT 5027** | *09509* | Introduction to Epidemiology | 6 |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **Semester 2** | | | |
| **HIMT 5023** | *09505* | Fundamentals of Medicine and Medical Terminology | 6 |

## ■ Master of Health Science (Clinical Data Management)

The Master of Health Science (Clinical Data Management) offers advanced study in the design and management of clinical trials and other related projects. The program provides participants with skills in designing systems that collect, combine, critically appraise, and quantitatively evaluate information in order to facilitate evidence based decisions regarding treatment and/or health policy. To make the course easily accessible to working participants, 75 per cent of the course is offered by distance and the remainder of the program is via a range of flexible modes including workshops, and block teaching. A one-week residential school is normally held at the end of the March Semester. The option of an additional Honours year is available. The Honours program includes directed independent study via dissertation.

### Admission requirements

i) A bachelor's degree in an appropriate from an Australian tertiary institution or equivalent; or
ii) Experience and/or qualifications as deemed appropriate by the Head of School; and
iii) Students who have undertaken the Graduate Certificate of Health Science (Clinical Data Management) are eligible for full credit for their study and can articulate to the Masters program.

### Course outline

The course outline for the Master of Health Science (Clinical Data Management) is presented in Table 19.37.

Table 19.37: Master of Health Science (Clinical Data Management)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0926: full-time; 1 year (75% off-campus & 25% flexible mode including workshops and block teaching)<br>Course code 0927: part-time; 2 years (75% off-campus & 25% flexible mode including workshops and block teaching)<br>Award total: 48 credit points | | | |
| **Pass course, full-time mode** | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| **BACH 5068** | *2552L* | Statistics for Clinical Research | 6 |
| **HIMT 5025** | *09507* | Clinical Data Management and Clinical Trials | 6 |
| **HIMT 5027** | *09509* | Introduction to Epidemiology | 6 |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **HIMT 5065** | *09545* | Project Management | 6 |
| **HIMT 5067** | *09547* | Evidence Based Health Care | 6 |

Table 19.37: Master of Health Science (Clinical Data Management) (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **Semester 2** | | | |
| **HIMT 5023** | *09505* | Fundamentals of Medicine and Medical Terminology | 6 |
| **HIMT 5066** | *09546* | Advanced Clinical Data Management | 6 |

### Pass course, part-time mode

■ **Year 1**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **HIMT 5025** | *09507* | Clinical Data Management and Clinical Trials | 6 |
| **HIMT 5027** | *09509* | Introduction to Epidemiology | 6 |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **Semester 2** | | | |
| **HIMT 5023** | *09505* | Fundamentals of Medicine and Medical Terminology | 6 |

■ **Year 2**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **BACH 5068** | *2552L* | Statistics for Clinical Research | 6 |
| **HIMT 5065** | *09545* | Project Management | 6 |
| **HIMT 5067** | *09547* | Evidence Based Health Care | 6 |
| **Semester 2** | | | |
| **HIMT 5066** | *09546* | Advanced Clinical Data Management | 6 |

Table 19.37.1: Master of Health Science (Clinical Data Management) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0928: full-time, 1.5 years<br>Course code 0929: part-time, 2.5 years to 3 years<br>Award total: 60 credit points | | | |

### Full-time mode

■ **Year 1**

As per Pass course

■ **Year 2**

| | | | |
|---|---|---|---|
| **HIMT 5061** | *09539* | Dissertation | 12 |

### Part-time mode

■ **Years 1 and 2**

As per Pass course

■ **Year 3**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **HIMT 5062** | *09540* | Dissertation A | 6 |
| **Semester 2** | | | |
| **HIMT 5063** | *09541* | Dissertation B | 6 |

# ■ Master of Health Science (Health Informatics)

The Master of Health Science (Health Informatics) provides graduates with a theoretical and practical understanding of the role of information and communication technologies in health care and the skills required for the successful integration of such technologies into the health system. The course focuses on three central knowledge areas; principles and applications of health informatics; database management systems and the classification of data; and managing the integration of health informatics within the health care environment.

The course is suitable for health professionals who wish to enhance their understanding and ability to work effectively with information and information technologies. The course is also designed for those graduates who wish to pursue a career as a health informatics specialist. Participants complete five core and three elective units of study. The program is offered one year full-time or two years part-time. Credit and above level candidates will be offered the option of an additional honours year.

### Admission requirements

i) A bachelor's degree from an Australian tertiary institution or equivalent; or

ii) Experience and/or qualifications as deemed appropriate by the Head of School.

### Course outline

The course outline for the Master of Health Science (Health Informatics) is presented in Table 19.38.

Table 19.38: Master of Health Science (Health Informatics)Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0919: full-time; minimum 1 year<br>Course code 0920: part-time; minimum 2 years<br>Award total: 48 credit points | | | |

### Full-time mode

■ **Year 1**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **HIMT 5057** | *09535* | Introduction to Health Informatics | 6 |
| **Inter-semester** | | | |
| **HIMT 5059** | *09537* | Health Classification Systems | 6 |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **Semester 2** | | | |
| **HIMT 5058** | *09536* | Health Informatics Applications | 6 |
| **HIMT 5060** | *09538* | Managing the integration of health informatics | 6 |
| 00E61A Elective | | | 6 |
| 00E61B Elective | | | 6 |
| 00E61D Elective | | | 6 |

### Part-time mode

■ **Year 1**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **HIMT 5057** | *09535* | Introduction to Health Informatics | 6 |
| **HIMT 5059** | *09537* | Health Classification Systems | 6 |
| **Inter-semester** | | | |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **Semester 2** | | | |
| **HIMT 5058** | *09536* | Health Informatics Applications | 6 |

■ **Year 2**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| 00E61A Elective | | | 6 |
| 00E61B Elective | | | 6 |
| **Semester 2** | | | |
| **HIMT 5060** | *09538* | Managing the integration of health informatics | 6 |
| 00E62D Elective | | | 6 |

Table 19.38.1: Master of Health Science (Health Informatics) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0921: full-time, 1.5 years<br>Course code 0922: part-time, 2.5 years to 3 years<br>Award total: 60 credit points | | | |

### Full-time mode

■ **Year 1**

As per Pass course (see Table 19.38)

■ **Year 2**

| | | | |
|---|---|---|---|
| **HIMT 5061** | *09539* | Dissertation | 12 |

### Part-time mode

■ **Years 1 and 2**

As per Pass course (see Table 19.38)

■ **Year 3**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **HIMT 5062** | *09540* | Dissertation A | 6 |
| **Semester 2** | | | |
| **HIMT 5063** | *09541* | Dissertation B | 6 |

### Electives

Electives taken may vary in credit points, but the total electives taken must equal 18 credit points.

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **BACH 5002** | *2550I/ 2550IX* | Educational Design | 6 |
| **BACH 5061** | *2552E* | Statistical Analysis with SPSS | 6 |
| **BACH 5068** | *2552L* | Statistics for Clinical Research | 6 |
| **BACH 5268** | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **HIMT 5027** | *09509* | Introduction to Epidemiology | 6 |

Table 19.38.1: Master of Health Science (Health Informatics) Honours (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **HIMT 5065** | *09545* | Project Management | 6 |
| **HIMT 5067** | *09547* | Evidence Based Health Care | 6 |
| **HIMT 5068** | *09548* | Microcomputing and Data Mining | 6 |
| **HIMT 5069** | *09549* | Health Care Systems | 6 |
| **HIMT 5079** | *09558* | Health Informatics Project | 6 |
| **HIMT 8001** | *09801* | Information Technology in Biomedicine | 6 |
| **HIMT 8002** | *09802* | Computer and Communication Security | 6 |
| **HIMT 8003** | *09803* | System and Network Administration | 6 |
| **HIMT 8004** | *09804* | Internet Programming | 6 |
| **HIMT 8005** | *09805* | Object-Oriented Systems Modelling | 6 |
| **Semester 2** | | | |
| **HIMT 5023** | *09505* | Fundamentals of Medicine and Medical Terminology | 6 |
| **HIMT 5076** | *09555* | Casemix Measurement Systems | 6 |

# ■ Master of Health Information Management

The Master of Health Information Management is a coursework program designed to prepare specialists in the design and management of health information systems. The course focuses on the information needs of health care professionals and facilities. It provides participants with core knowledge and skills necessary for the effective practice of health information management. Health information management graduates choose from a wide range of exciting career opportunities in organsations which include health care facilities, Commonwealth and State health departments, information technology firms, health funds and research organisations. This course is ideally suited to health professionals seeking to develop a new career pathway, however, applicants with non-health related undergraduate qualifications are also encouraged to apply.

## Admission requirements

i) A bachelor's degree from an Australian tertiary institution or equivalent; or

ii) Experience and/or qualifications as deemed appropriate by the Head of School.

iii) Professionals who hold an Associate Diploma in Health Information Management (or equivalent) may seek admission to a qualifying masters program and then proceed to the Master of Health Information Management.

iv) Professionals holding a Graduate Diploma of Health Science (Health Information Management) with a credit or above average will be able to articulate their qualification to the Master of Health Information Management by completing one 12 credit point unit of study 'Research in Health Information Management'. This option will only available until 2006. Further information about these options can be obtained from the Head of School, phone (02) 9351 9494, email himinfo@fhs.usyd.edu.au.

## Course outline

The course outline for the Master of Health Information Management is presented in Table 19.39.

Table 19.39: Master of Health Information Management

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0923: full-time, minimum 1 year<br>Course code 0924: part-time, minimum 2 years<br>Course code 0925: part-time, off-campus mode, for graduates of Graduate Diploma of Health Science (Health Information Management) only (available up to 2006)<br>Award total: 50 credit points | | | |
| **Full-time mode** | | | |
| ■ **Core units** | | | |
| **Semester 1** | | | |
| **HIMT 5048** | *09526* | Information Systems Management I | 3 |
| **HIMT 5050** | *09528* | International Disease Classification Systems A | 3 |
| **HIMT 5053** | *09531* | Fundamentals of Medicine and Medical Terminology I | 3 |
| **Inter-semester** | | | |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **Semester 2** | | | |
| **HIMT 5049** | *09527* | Information Systems Management II | 3 |
| **HIMT 5051** | *09529* | International Disease Classification Systems B | 3 |
| **HIMT 5054** | *09532* | Fundamentals of Medicine and Medical Terminology II | 3 |
| **HIMT 5055** | *09533* | Professional Experience | 2 |
| ■ **Electives** | | | |
| **Semester 1** | | | |
| (00E61A) Elective (6 credit points)<br>(00E61B) Elective (6 credit points) | | | |
| **Semester 2** | | | |
| (00E62D) Elective (6 credit points)<br>(00E62E) Elective (6 credit points) | | | |
| **Part-time mode** | | | |
| ■ **Year 1 core units** | | | |
| **Semester 1** | | | |
| **HIMT 5048** | *09526* | Information Systems Management I | 3 |
| **HIMT 5050** | *09528* | International Disease Classification Systems A | 3 |
| **HIMT 5053** | *09531* | Fundamentals of Medicine and Medical Terminology I | 3 |
| **Inter-semester** | | | |
| **HIMT 5052** | *09530* | Database Management Systems | 6 |
| **Semester 2** | | | |
| **HIMT 5049** | *09527* | Information Systems Management II | 3 |
| **HIMT 5051** | *09529* | International Disease Classification Systems B | 3 |
| **HIMT 5054** | *09532* | Fundamentals of Medicine and Medical Terminology II | 3 |
| **HIMT 5055** | *09533* | Professional Experience | 2 |
| ■ **Year 2 elective units (elective total must equal 24 credit points)** | | | |
| **Semester 1** | | | |
| (00E61A) Elective (6 credit points)<br>(00E61B) Elective (6 credit points) | | | |
| **Semester 2** | | | |
| (00E62D) Elective (6 credit points)<br>(00E62E) Elective (6 credit points) | | | |
| **Electives** | | | |
| Electives taken may vary in credit points, but the total electives taken must equal 24 credit points. | | | |
| **Semester 1** | | | |
| **BACH 5067** | *2552K* | Research Methods I: Design | 6 |
| **HIMT 5027** | *09509* | Introduction to Epidemiology | 6 |
| **HIMT 5065** | *09545* | Project Management | 6 |
| **HIMT 5067** | *09547* | Evidence Based Health Care | 6 |
| **HIMT 5068** | *09548* | Microcomputing and Data Mining | 6 |
| **HIMT 5069** | *09549* | Health Care Systems | 6 |
| **HIMT 5070** | *09550* | Human Resource Management | 6 |
| **HIMT 5074** | *09553* | Health Services Management | 6 |
| **Semester 2** | | | |
| **HIMT 5075** | *09554* | Medicolegal Principles and Practice | 6 |
| **HIMT 5076** | *09555* | Casemix Measurement Systems | 6 |
| **HIMT 5078** | *09557* | Financial Management in Health Care Facilities | 6 |
| **Articulation** | | | |
| The following course structure applies to graduates of the Graduate Diploma of Health Science (Health Information Management) articulating to the Master of Health Information Management. This articulation option is only available up to 2006. | | | |
| ■ **Part-time one-semester mode** | | | |
| **HIMT 5056** | *09534* | Research in Health Information Management | 12 |
| ■ **Part-time two-semester mode** | | | |
| **Semester 1** | | | |
| **HIMT 5080** | *09559* | Research in Health Information Management A | 6 |
| **Semester 2** | | | |
| **HIMT 5081** | *09560* | Research in Health Information Management B | 6 |

# ■ Master of Applied Science (Health Information Management) by Research

The School of Health Information Management has a firm commitment to the development of knowledge and skills appropriate to the needs of health information managers. The postgraduate programs offered by the School are therefore designed to give graduates an opportunity to pursue advanced study in areas of professional interest including information systems, organisational management and evaluation methodology.

The Master of Applied Science (Health Information Management) is largely by Research thesis with minimal supplementary course work. This program gives graduates an opportunity to further develop their skills by undertaking research in a specialised area of study.

### Admission requirements

In order to qualify for admission to the degree, applicants shall hold:

i) A bachelor degree in Health Information Management or Medical Record Administration from an Australian tertiary institution; or

ii) An Associate Diploma in Medical Record Administration plus an approved bachelor degree; or

iii) A bachelor degree in a health science field or other related area.

### Course outline

The course outline for the Master of Applied Science (Health Information Management) is presented in Table 19.40.

Table 19.40: Master of Applied Science (Health Information Management) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0911: Special Program (for master's qualifying students)<br>Course code 0909: full-time, minimum 1.5 years, maximum 2 years<br>Course code 0910: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| **HIMT 6010** | *09604* | Research Thesis | |
| **HIMT 6011** | *09605* | Research Thesis | |
| ■ **Year 2** | | | |
| **HIMT 6010** | *09604* | Research Thesis | |
| **HIMT 6011** | *09605* | Research Thesis | |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **HIMT 6012** | *09606* | Research Thesis | |
| **HIMT 6013** | *09607* | Research Thesis | |
| ■ **Year 2 (and subsequent years)** | | | |
| **HIMT 6012** | *09606* | Research Thesis | |
| **HIMT 6013** | *09607* | Research Thesis | |

# ■ Professional experience

In the Master of Health Information Management, 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). Placements can be undertaken in NSW, interstate and overseas.

### Clinical practice dates – Master of Health Information Management

December (1 week).

### Identification badges

All students must wear identification badges during practical placements.

# ■ Health Information Management units of study

### BACH 5002 **Educational Design**

Old code 25501/25501X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1, 2. **Assessment**: Assignment-based (non exam).

Emphasis in this unit is on the development of basic skills in planning for effective teaching and learning. Participants learn planning skills by undertaking an educational design project.

### BACH 5061 **Statistical Analysis with SPSS**

Old code 2552E. 6 credit points. Dr Peter Choo (02) 9351 9583 and Ms Karen Pepper (02) 9351 9589. **Semester**: 1, 2. **Classes**: Contract learning including a small number of on-campus. **Assessment**: Practical assignments.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.

*Textbooks*

SPSS Analysis Without Anguish, Coakes, S.J. & Steel, L.G. (1999)

### BACH 5067 **Research Methods I: Design**

Old code 2552K. 6 credit points. Dr Rob Heard (02) 9351 9498. **Semester**: 1. **Classes**: On-campus. **Assessment**: Written examinations.

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

### BACH 5068 **Statistics for Clinical Research**

Old code 2552L. 6 credit points. Dr Rob Heard (02) 9351 9498, r.heard@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus. **Assessment**: Assignment and examinations.

This unit aims to introduce students to basic statistical principles relevant to the manipulation and analysis of clinical data. Students will be exposed to concepts of sampling, distributions of scores, summaries of data, and treatment of categorical and quantitative data. This last topic will include chi square analysis, calculation of confidence intervals, tests for differences in the locations of samples (including t-tests and tests for non-normally distributed data), correlation and regression, sample size estimation and an introduction to survival analysis. It is expected that at the conclusion of the unit students will be able to: appraise published statistical analyses; perform simple statistical tests with the assistance of a computer package; and present statistical data.

### BACH 5268 **Developing a Research Project**

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### HIMT 5019 Introduction to Casemix

Old code 09501. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus mode. **Assessment**: Assignments.

This unit is designed to equip students with knowledge of casemix measurement systems and will cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The unit covers the history and development of casemix classification systems for acute and other settings, and applications and implications of casemix. The major emphasis is on Diagnosis Related Groups (DRGs), with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs) and Australian Refined Diagnosis Related Groups (AR-DRGs).

### HIMT 5020 Generating and Using Casemix Information

Old code 09502. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus mode. **Assessment**: Assignments.

This unit is designed to equip students with practical skills in the production and analysis of casemix information. It reviews health information systems for casemix (building on knowledge from the introductory unit – HIMT 5019 Introduction to Casemix). It also gives practical examples of using and generating casemix information, for example, reading and interpreting casemix reports, developing casemix information systems, and producing reports/graphs. Applications of casemix information, such as performance measurement, are also covered.

### HIMT 5021 Casemix Funding and Financial Management

Old code 09503. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus mode. **Assessment**: Assignments.

This unit is concerned with one of the main applications of casemix data – paying hospitals on the basis of their output. The various models for funding health care services are explored, with specific emphasis on output-based models. The unit outlines trends developments in casemix funding overseas and in the public and private sectors in Australia. It also explains methods used to cost activities of hospitals and other health care facilities to set prices for output-based funding. Other considerations for funding purposes, such as methods of paying for outlier patients, are also explored. Casemix budgeting is also covered.

### HIMT 5022 Implementing Casemix Systems

Old code 09504. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus mode. **Assessment**: Assignments.

The purpose of this unit is to give students the skills to implement casemix based systems and apply casemix concepts to common management problems. The practical problems of implementing casemix are addressed. These include: incorporating casemix information into the existing management information system; integrating casemix approaches with the existing utilisation review and quality assurance programs; educating staff about casemix issues; using casemix data to plan healthcare services; and analysing the current organisational structure to identify barriers to the use of casemix data to better manage the facility. The unit builds on the skills developed during the unit Generating and Using Casemix Information by using the same practical information based approaches.

### HIMT 5023 Fundamentals of Medicine and Medical Terminology

Old code 09505. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus mode.

*NB: Available in off-campus mode*

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

### HIMT 5025 Clinical Data Management and Clinical Trials

Old code 09507. 6 credit points. Angelika Lange (02) 9351 9494, a.lange@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus mode.

This unit will discuss in detail the processes involved in conducting clinical research and the role of the data manager in these processes. Areas covered include the stages in the development of a clinical trial, various design issues including blinding, crossover and factorial designs, randomisation and stratification, organisation and planning of trial research, forms design, data collection issues, methods of ensuring data quality including monitoring and auditing, ethical and regulatory issues, and reporting of results.

### HIMT 5027 Introduction to Epidemiology

Old code 09509. 6 credit points. Aditi Dey (02) 9351 9494, a.dey@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus mode. **Assessment**: Assignments & examination.

*NB: Available in off-campus mode*

This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

### HIMT 5048 Information Systems Management I

Old code 09526. 3 credit points. Basema Saddik (02) 9351 9494, b.saddik@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. **Assessment**: Assignments.

This unit introduces students to the concepts of health information systems management by means of an integrated study of the nature of health information and its management. Students will examine hospital information systems in the wider context of computers in information management. The major components covered include: patient identification, storage and retrieval systems, retention policies and storage media, discharge analysis and the content and structure of health information systems. Legal aspects related to confidentiality and release of information will also be examined.

Hospital visits to observe and practice skills are a compulsory component of the unit. Students are given the opportunity to perform various tasks in small groups under the supervision of a health information manager. The hospital visits are structured in a way that allow the student to apply the knowledge gained from the lecture material.

### HIMT 5049 Information Systems Management II

Old code 09527. 3 credit points. Basema Saddik (02) 9351 9494, b.saddik@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus block mode. **Prerequisite**: Information Systems Management I HIMT 5048 (09526). **Assessment**: Assignments.

In this unit students extend their study of health information systems by focussing on the collection, analysis and reporting of health data. This will include current systems used to collect and report data to government departments and other authorities. Forms design principles and forms management will also be covered. Professional issues will be examined through the discussion of current literature in the field of health information.

### HIMT 5050 International Disease Classification Systems A

Old code 09528. 3 credit points. Anne Marks (02) 9351 9494, a.marks@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus attendance – day and/or some evening classes. **Assessment**: Assignments and examinations.

This unit is designed to enable the student to classify diseases using ICD-10-AM and procedures using MBS-Extended. It includes the historical development of clinical classification systems and students will make comparisons between ICD-9-CM and ICD-10-AM. The focus of the unit is to develop the students practical coding skills.

### HIMT 5051 International Disease Classification Systems B

Old code 09529. 3 credit points. Anne Marks (02) 9351 9494, a.marks@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus attendance – day and/or some evening classes. **Prerequisite**: International Disease Classification Systems A HIMT 5050 (09528). **Assessment**: Assignments and examinations.

This unit builds on both theoretical and practical issues studied in HIMT 5050 and allows the student the opportunity to code using hospital medical records. The student will also become familiar with computer assisted coding and indexing systems.

### HIMT 5052 Database Management Systems

Old code 09530. 6 credit points. Angelika Lange (02) 9351 9494, a.lange@fhs.usyd.edu.au. **Semester**: Inter-semester. **Classes**: Held as a 1-week on-campus residential in the intersemester break & continues in off-campus mode in Semester 2. **Assessment**: Assignments and examinations.

This unit covers the study of relational database design, using SQL (Sybase) and MS Access. This includes data structures, logic database design, the relational model, the process of normalisation and the functions of a database management system. Object-oriented database design is introduced, and OO-query languages, their implementation and comparisons with relational design will be covered.

### HIMT 5053 Fundamentals of Medicine and Medical Terminology I

Old code 09531. 3 credit points. Aditi Dey (02) 9351 9494, a.dey@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus evening classes. **Assessment**: Assignments & examination.

This unit is designed to provide the student with the knowledge necessary to understand the information contained in the health record, to function within a medical environment through an understanding of the fundamentals of medicine, and to effectively use disease classification systems. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology (disease titles, symptomatic terms, surgical terms and investigations).

### HIMT 5054 Fundamentals of Medicine and Medical Terminology II

Old code 09532. 3 credit points. Aditi Dey (02) 9351 9494, a.dey@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus evening classes. **Prerequisite**: Fundamentals of Medicine and Medical Terminology I HIMT 5053 (09531). **Assessment**: Assignments & examination.

This unit builds on Fundamentals of Medicine and Medical Terminology I HIMT 5053 (09531) through further exploration of medical terms. In this unit the study of disease processes and medical intervention focuses on specialist topics such as psychiatry, obstetrics, paediatrics, infectious diseases, oncology, radiotherapy, nuclear medicine, diagnostic procedures and surgical techniques.

### HIMT 5055 Professional Experience

Old code 09533. 2 credit points. Anne Marks (02) 9351 9494, a.marks@fhs.usyd.edu.au. **Semester**: End Semester 2.

Professional Experience will be a one-week placement undertaken in December.

### HIMT 5056 Research in Health Information Management

Old code 09534. 12 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus block mode. Directed independent study.

This unit provides an overview of the research process. The students design, plan and implement the investigation of an area of professional relevance. It requires the completion of a publishable paper.

### HIMT 5057 Introduction to Health Informatics

Old code 09535. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. **Assessment**: Assignments.

This unit introduces the definition of data, information and knowledge as well as what defines a system and a model. National and state information policies will be reviewed and steps in policy formulation, analysis and implementation will be covered. A central focus will be issues relating to privacy, confidentiality, security and the ethical use of health information. This will include discussion of relevant legislation.

### HIMT 5058 Health Informatics Applications

Old code 09536. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus block mode. **Assessment**: Assignments.

This unit will introduce system analysis and design concepts, including the system life cycle, scheduling tools and approaches to assessing user requirements. Relevant IT standards for the health sector, for example HL7 will be covered along with issues related to data warehousing. Health informatics applications such as imaging, smart cards, telemedicine, wireless data transmission, handheld computers, robotics, data transmission via the Internet, expert systems and decision support systems will be discussed. A focus will be the design and implementation of the electronic patient record.

### HIMT 5059 Health Classification Systems

Old code 09537. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. **Assessment**: Assignments and examinations.

This unit introduces the student to the concepts of organising health information in a logical way to interface with an electronic information system. The importance of terminologies such as the Unified Medical Language System will be investigated along with issues related to comparing coding systems, including mapping. A review of the structure of a range of current health classification systems such as International Classification of Diseases (ICD), the Systematised Nomenclature of Medicine (SNOMED), Read Codes, the International Classification of Primary Care (ICPC) and casemix (DRGs, RUGs, AVG) will be undertaken.

### HIMT 5060 Managing the integration of health informatics

Old code 09538. 6 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus block mode. **Assessment**: Assignments.

This unit aims to provide students with management skills that are needed to ensure the successful integration of information technology into an organisation. Topics covered include decision-making, the management of change and organisational culture. The features and development of an effective learning organisation are discussed.

### HIMT 5061 Dissertation

Old code 09539. 12 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Off-campus (Some on-campus attendance may be required. Directed independent study). **Assessment**: Completion of a publishable paper reporting outcome of investigation.

This unit requires the preparation of a proposal for the conduct of an original investigation of an area of professional relevance and the completion of a publishable paper reporting the results of the investigation.

### HIMT 5062 Dissertation A

Old code 09540. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Directed independent study.

This unit requires the preparation of a proposal for the investigation of an area of professional relevance.

### HIMT 5063 Dissertation B

Old code 09541. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Directed independent study.

The dissertation requires the completion of a publishable paper reporting an original investigation of an area of professional relevance.

### HIMT 5065 Project Management

Old code 09545. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus – 4 day block. **Assessment**: Assignments and examinations.

*NB: Places are limited*

This unit covers all the nine knowledge areas of the Australian Project Management competency standards including planning and scheduling, quality, risks and status reporting. Team and people management issues, managing external dependencies and costs are also covered. Workshop groups use exercises based around a case study to apply principles to various situations.

### HIMT 5066 Advanced Clinical Data Management

Old code 09546. 6 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Internet based, off-campus mode. **Assessment**: Assignments.

This advanced unit will build on the principles and skills developed in the core unit clinical data management. A focus will be regulatory, legal and ethical issues in clinical research including GCRP and FDA requirements and NHMRC guidelines.

### HIMT 5067 Evidence Based Health Care

Old code 09547. 6 credit points. Margaret Williamson (02) 9351 9494, m.williamson@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus – 3 day block. **Assessment**: Assignments.

*NB: Semester 2 workshop may be held during intersemester break with assessments due throughout Semester 2. Places are limited.*

Greater demands are being placed upon health care practitioners and managers to adopt evidenced-based practice. This requires a systematic appraisal of the best available evidence. The rapid

expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal.

### HIMT 5068 **Microcomputing and Data Mining**

Old code 09548. 6 credit points. Angelika Lange (02) 9351 9494, a.lange@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus attendance. **Assessment**: Assignments and examinations.

This unit introduces the student to common computer applications including word processors, spreadsheets, databases, and web browsers. The aim is for students to acquire sophisticated skills in the use of these applications. Search strategies for finding health information on the Internet are covered and different search engines are compared. An introduction to the structure of literature databases, thesauri and MESH-systems is given and methods of searching the medical literature, for example using CD-ROM databases are presented.

### HIMT 5069 **Health Care Systems**

Old code 09549. 6 credit points. Janelle Craig/Prof Beth Reid (02) 9351 9494, j.craig@fhs.usyd.edu.au/b.reid@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode, scheduled and web-based. **Assessment**: Assignments and examinations.

This unit provides an introduction to the Australian Health Care system. Topics covered include Commonwealth and State responsibilities for health with a particular focus on funding issues, healthcare expenditure, the structure and organisation of health insurance, health care facilities and the health workforce. The unit encourages a critical appraisal of current health arrangements and policies and an appreciation of the pluralistic nature of the health system. Students will participate in the 'Health Care Game', an interactive web-based program, as part of the unit.

### HIMT 5070 **Human Resource Management**

Old code 09550. 6 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. **Assessment**: Assignments and examinations.

This unit of study focuses on managing the human resources of an organisation. Students explore in depth the individual processes of human resource management and their inter-relationships, including: human resource planning; recruitment; selection; orientation and training; career development and performance appraisal. The unit also covers the industrial relations framework in Australia with particular emphasis on the current workplace focus with enterprise bargaining. The implications of equal employment legislation and affirmative action legislation to the employment relationship are also covered.

### HIMT 5074 **Health Services Management**

Old code 09553. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. **Assessment**: Assignments.

This unit of study explores a range of management theories, perspectives and approaches. Topics covered include the functions of planning, organising, leading and controlling as well as total quality management, change management and organisational communication. The students investigate the relevance and applicability of these management concepts to health services management and undertake critical analyses of contemporary management theories. Students are also encouraged to develop their own skills as managers by applying the relevant management theories.

### HIMT 5075 **Medicolegal Principles and Practice**

Old code 09554. 6 credit points. Ms Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus block mode. **Assessment**: Assignments.

This unit introduces students to the legal system in Australia and legal constructs with which managers within the health care system should be familiar. The focus of this unit is on the management of the medico-legal function in an information services department. Topics include patient access to information, medico-legal correspondence, subpoenas and the NSW Health Department Patient Matters Manual. Privacy legislation and standards are also addressed.

### HIMT 5076 **Casemix Measurement Systems**

Old code 09555. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus mode. **Assessment**: Assignments.

*NB: Available in off-campus mode*

This unit introduces the student to casemix classification systems which are used by states and territories to fund healthcare services. This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

### HIMT 5078 **Financial Management in Health Care Facilities**

Old code 09557. 6 credit points. Michelle Bramley (02) 9351 9494, michelle.bramley@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Assignments and examinations.

In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include basic financial accounting, costing and budgeting with an emphasis on departmental budgeting. Billing and claims processes in the private sector are examined as well as methods of funding used in the public sector. Differences between financial management approaches in the private and public sectors are highlighted.

### HIMT 5079 **Health Informatics Project**

Old code 09558. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus, directed independent study.

The unit provides candidates with the opportunity to undertake an advanced investigation of a topic or issue related to health informatics.

### HIMT 5080 **Research in Health Information Management A**

Old code 09559. 6 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. Directed independent study.

This unit provides an overview of the research process. The students design, plan and implement the investigation of an area of professional relevance. It requires the completion of a publishable paper.

### HIMT 5081 **Research in Health Information Management B**

Old code 09560. 6 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus block mode. Directed independent study.

This unit provides an overview of the research process. The students design, plan and implement the investigation of an area of professional relevance. It requires the completion of a publishable paper.

### HIMT 6010 **Research Thesis**

Old code 09604. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1. **Prerequisite**: Research Proposal HIMT 6007 (09467).

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

### HIMT 6011 **Research Thesis**

Old code 09605. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2.

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

### HIMT 6012 **Research Thesis**

Old code 09606. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 1. **Prerequisite**: Research Proposal HIMT 6007 (09467).

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work

with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

### HIMT 6013 **Research Thesis**

Old code 09607. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Prerequisite**: Research Proposal HIMT 6007 (09467).

The Research Thesis forms the major component of the Masters program. Students are given the opportunity to investigate, in depth, an area of specialised interest in health information management or a closely related area. Each student will work with a supervisor or supervisors who will guide them through each stage of the study and the preparation of the thesis.

### HIMT 8001 **Information Technology in Biomedicine**

Old code 09801. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: 2 lectures & 1 tutorial/week. **Assessment**: Assignments, written exam.

Information technology (IT) has significantly contributed to the research and practice of medicine, biology and health care. The IT field is growing enormously in scope with biomedicine taking a lead role in utilizing the evolving the applications to its best advantage. The goal of this course is to provide students with the necessary knowledge to understand the information technology in biomedicine. The major emphasis will be on the principles associated with biomedical digital imaging systems and their applications, computer modeling of biomedical systems, and biomedical system identification. Specialist areas such as medical image compression, telemedicine, Picture Archiving and Communication System (PACS), and web technology in biomedicine etc. will also be addressed.

### HIMT 8002 **Computer and Communication Security**

Old code 09802. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: 2 lectures & 1 tutorial/week. **Assumed knowledge**: Some programming experience is essential.

This course covers computer security which includes cryptography, Authentication, access control and auditing. We shall examine secret key, message digest and public key algorithms. Authentication systems are used to prove identity. These systems make use of various protocols based on cryptographic mechanisms. We shall look at some common systems and common flaws in authentication systems. Once the system is convinced of the identity of a user it must decide which actions that user is entitled to carry out. Finally we will look at some of the other mechanisms required for security, such as auditing.

### HIMT 8003 **System and Network Administration**

Old code 09803. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: 2 lectures & 1 tutorial/week. **Assumed knowledge**: It is expected that students should have some UNIX experience as an ordinary user. **Assessment**: Assignments, written exam.

This unit of study is an elementary subject on operation system and network administration. It introduces the principles of operation systems and the structure of networks. It also shows students how to administrate the system and network by using examples under UNIX systems. From the initial installation of the operating system, to the intricacies of virtual web servers, this unit of study will show how these systems act and how to make them perform at their best.

### HIMT 8004 **Internet Programming**

Old code 09804. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: 2 lectures & 1 tutorial/week. **Assessment**: Assignments, written exam.

The unit of the Internet Programming course is the delivery of dynamic information via the Internet. Most Internet applications follow a client/server model, and as a result, dynamic data generation can be found at two places: creation of data from dynamic sources in the server, and dynamic presentation of this data to the user. A recent development which enhances the usability and portability of dynamic data presentation is the emergence of international standards for representation of data between the client and the server. The Internet Programming course will focus on these three areas.

### HIMT 8005 **Object-Oriented Systems Modelling**

Old code 09805. 6 credit points. Janelle Craig (02) 9351 9494, j.craig@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: 2 lectures & 1 tutorial/week. **Prerequisite**: INFO 5000 Information Systems.

Modelling has been used extensively in the process of analysis and design of information systems in order to improve communication between the developers and users of these systems. This unit of study is a theoretical subject that deals with various modelling tools and techniques that are available today for IT professionals and researchers in order to model real-world systems prior to committing their team to a full-scale development project.

# School of Medical Radiation Sciences

## ■ Graduate Certificate of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a two semester (minimum) off-campus course, comprising 24 credit points. There is no requirement to complete a coherent major area. Up to 6 credit points may be gained by studying an approved subject from outside the University. There are no obligatory units of study in this stage of the program.

Students who successfully complete the Graduate Certificate will be able to:

- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Write coherently and logically
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

### Admission requirements

- Diploma in the medical radiation science field (specifically radiography, nuclear medicine sciences and radiation therapy); or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students with professional accreditation in the fields of diagnostic radiography, nuclear medicine technology and radiation therapy, but less than a Diploma qualification, will be required to:

- have at least three years recent clinical experience
- present evidence to the Head of School of their ability to study at postgraduate level
- complete any enabling subjects that may be required by the Head of School.

### Course outline

The course outline for the Graduate Certificate of Health Science (Medical Radiation Sciences) is presented in Table 19.41

A minimum of 12 credit points must be completed from Medical Radiation Sciences elective units of study (listed below). The remaining credit points may be completed from other schools of the Faculty of Health Sciences (see Chapter 21).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

Table 19.41: Graduate Certificate of Health Science (Medical Radiation Sciences)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1843: off-campus, 2 semesters<br>Award total: 24 credit points | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| Elective | | | 6 |
| Elective | | | 6 |
| **Semester 2** | | | |
| Elective | | | 6 |
| Elective | | | 6 |

## ■ Graduate Diploma of Health Science (Medical Radiation Sciences)

This program aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a three semester (minimum) off-campus course, comprising 36 credit points. To qualify for a Certificate of Specialisation there should be a minimum of 30 credit points from a major area. Up to 12 credit points may be gained by studying elective units from outside the University. There is one obligatory unit of study that must be completed by students.

Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Graduate Diploma course. This qualification will be relinquished on achieving the Graduate Diploma qualification.

Students who successfully complete the Graduate Diploma will be able to:

- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Write coherently and logically
- Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

### Admission requirements

Bachelors degree in a relevant field; or

- Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another University; or
- Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University; or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Graduate Diploma.

### Course outline

The course outline for the Graduate Diploma of Health Science (Medical Radiation Sciences) is presented in Table 19.42.

A minimum of 18 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences elective units of study listed below. The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Chapter 21).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

## ■ Master of Health Science (Medical Radiation Sciences) by Coursework

This course aims to advance the knowledge, skills, and attributes of medical radiations professionals in their field of specialisation, and to broaden their exposure to the wider field of health sciences. It is a four semester (minimum) off-campus course comprising 48 credit points. To qualify for a Certificate of

## Table 19.42: Graduate Diploma of Health Science (Medical Radiation Sciences)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1844: off-campus, 3 semesters<br>Award total: 36 credit points | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| Elective | | | 6 |
| Elective | | | 6 |
| **Semester 2** | | | |
| Elective | | | 6 |
| Elective | | | 6 |
| **■ Year 2** | | | |
| **Semester 1** | | | |
| **MRTY 5024** | *18515X* | Current Issues in Medical Radiations | 6 |
| Elective | | | |

Specialisation issued by the School of Medical Radiation Sciences there should be a minimum of 30 credit points from a major area. Up to 18 credit points may be gained by cross-institutional enrolment in approved units of study. There is one obligatory unit of study that must be completed.

Holders of the Graduate Diploma of Health Science (Medical Radiation Sciences) will receive credit transfer for 36 credit points of the Masters course. Holders of the Graduate Certificate of Health Science (Medical Radiation Sciences) will receive credit transfer for 24 credit points of the Masters course. These qualifications will be relinquished on achieving the Masters qualification.

Students who successfully complete the Masters program will be able to:

- Carry out a range of procedures in their specialised field with a higher degree of ability than is expected from the graduate qualified practitioner
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical radiations and their implications for the profession, the health consumers that it serves, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

### Admission requirements

Bachelors degree in a relevant field; or

- Graduate Certificate of Health Science (Medical Radiation Sciences) from the University of Sydney, or equivalent qualification from another University; or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students who entered the Graduate Certificate of Health Science (Medical Radiation Sciences) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Master of Health Science (Medical Radiation Sciences).

### Course outline

The course outline for the Master of Health Science (Medical Radiation Sciences) by Coursework is presented in Table 19.43.

A minimum of 24 credit points (inclusive of core subjects) must be completed from Medical Radiation Sciences Elective units of study (next page). The remaining credit points may be completed from other Schools of the Faculty of Health Sciences (see Chapter 21).

Students' programs of study must be approved by the Course Coordinator before enrolment. Units in this course will be offered depending on sufficient enrolments.

## Table 19.43: Master of Health Science (Medical Radiation Sciences) by Coursework

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1845: off-campus, 4 semesters<br>Credit points: 48 | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| 2 Electives (6 credit points each) | | | |
| **Semester 2** | | | |
| 2 Electives (6 credit points each) | | | |
| **■ Year 2** | | | |
| **Semester 1** | | | |
| **MRTY 5024** | *18515X* | Current Issues in Medical Radiations | 6 |
| Elective (6 credit points) | | | |
| **Semester 2** | | | |
| 2 Electives (6 credit points each) | | | |

## Medical Radiation Sciences electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| For the list of Faculty electives, see chapter 21. | | | |
| **■ Semester 1** | | | |
| **MRTY 5038** | *18528X* | Diagnostic Imaging for Radiation Therapists | 6 |
| **MRTY 5047** | *18537X* | History of Medical Radiations | 6 |
| **MRTY 5057** | *18547X* | Prevention and Care of Radiation Injury | 6 |
| **MRTY 5058** | *18548X* | Quality Management in Medical Radiations | 6 |
| **MRTY 5064** | *18554X* | Stabilisation and Positioning | 6 |
| **MRTY 5094** | *18584X* | Brachytherapy Theory | 6 |
| **MRTY 5095** | *18585X* | Brachytherapy Applications | 6 |
| **■ Semester 2** | | | |
| **MRTY 5030** | *18520X* | Advanced Radiographic Pathology | 6 |
| **MRTY 5035** | *18525X* | Breast Imaging III | 6 |
| **MRTY 5041** | *18531X* | CT Practice II | 6 |
| **MRTY 5048** | *18538X* | Image Interpretation | 6 |
| **MRTY 5049** | *18539X* | Isotope Production | 6 |
| **MRTY 5054** | *18544X* | Nuclear Cardiology | 6 |
| **MRTY 5055** | *18545X* | Introduction to Functional Neuro-imaging | 6 |
| **MRTY 5056** | *18546X* | Patient/Practitioner Communication | 6 |
| **MRTY 5059** | *18549X* | Radiation Safety | 6 |
| **MRTY 5060** | *18550X* | Radiation Therapy Treatment Planning Systems | 6 |
| **MRTY 5062** | *18552X* | Specialised Skeletal Scintigraphy | 6 |
| **MRTY 5063** | *18553X* | 511 keV Imaging | 6 |
| **MRTY 5066** | *18556X* | Theory of Radiation Therapy Planning Calculations | 6 |
| **MRTY 5090** | *18580X* | Advanced Multiplanar Anatomy A | 6 |
| **MRTY 5091** | *18581X* | Advanced Multiplanar Anatomy B | 6 |
| **MRTY 5092** | *18582X* | Applied Bone Mineral Densitometry | 6 |
| **MRTY 5096** | *18586X* | Introduction to Nuclear Medicine Imaging Interpretation | 6 |
| **■ Offered in both semesters** | | | |
| NB: units offered in both semesters are run subject to sufficient applications. | | | |
| **MRTY 5024** | *18515X* | Current Issues in Medical Radiations | 6 |
| **MRTY 5028** | *18518X* | Advanced Image Processing | 6 |
| **MRTY 5031** | *18521X* | Applied SPECT | 6 |
| **MRTY 5033** | *18523X* | Breast Imaging I | 6 |
| **MRTY 5034** | *18524X* | Breast imaging II | 6 |
| **MRTY 5039** | *18529X* | CT Applications | 6 |
| **MRTY 5040** | *18530X* | CT Practice I | 6 |
| **MRTY 5042** | *18532X* | Digital Communications in Medical Radiation Sciences | 6 |
| **MRTY 5043** | *18533X* | Directed Studies A | 6 |
| **MRTY 5044** | *18534X* | Directed Studies B | 6 |
| **MRTY 5045** | *18535X* | Directed Studies C | 6 |
| **MRTY 5051** | *18541X* | MR Theory | 6 |
| **MRTY 5052** | *18542X* | MR Applications I | 6 |
| **MRTY 5053** | *18543X* | MR Applications II | 6 |

### Medical Radiation Sciences electives (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **MRTY 5087** | *18577* | Advanced MR Theory | 6 |
| **MRTY 5089** | *18579X* | MRI Project | 6 |
| **MRTY 5093** | *18583X* | Physics & Intrumentation of Quantitative Bone Assessment | 6 |
| **MRTY 5097** | *18587X* | CT for Nuclear Medicine Technologists | 6 |

## ■ Graduate Certificate of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

It is a two semester part-time course comprising 24 credit points. Students wishing to articulate from the Graduate Certificate to higher levels within the program must gain at least a credit average.

Students who successfully complete the Graduate Certificate program will be able to:

- Carry out a range of sonographic procedures in their specialised field
- Write coherently and logically
- Translate their learning to the workplace and apply their knowledge at an advanced level
- Apply informed critical thinking to their professional activities.

The Graduate Certificate will NOT meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR).

### Admission requirements

- Diploma in a medical radiation science field (specifically radiography, nuclear medicine technology and radiation therapy); or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty.

Students with professional accreditation in the fields of diagnostic radiography, nuclear medicine technology and radiation therapy, but less than a Diploma qualification, will be required to:

- have at least three years recent clinical experience
- present evidence to the Head of School of their ability to study at postgraduate level
- complete any enabling units of study that may be required by the Head of School.

### Course outline

The course outline for the Graduate Certificate of Health Science (Medical Sonography) is presented in Table 19.44.

### Table 19.44: Graduate Certificate of Health Science (Medical Sonography)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1840: off-campus; 2 semesters<br>Award total: 24 credit points<br>Note: Electives are outlined after Table 19.46. The choice of electives must be approved by the Course Coordinator prior to enrolment. On-campus residentials may be required for some units of study. | | | |
| **■ Year 1** | | | |
| Clinical Practice Elective[1] | | | 4 |
| **Semester 1** | | | |
| **BIOS 5047** | *11454* | Biological Sciences | 4 |
| Sonography Elective or Elective | | | 6 |
| **Semester 2** | | | |
| Sonography Elective (6 credit points)<br>Sonography Elective or Elective | | | 4 or 6 |

**■ Note**

1. Clinical Practice Elective may be taken in Semester 1 or 2.

## ■ Graduate Diploma of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

It provides for the development of knowledge and skills relevant to the professional practice of medical sonography. The course covers physical principles and instrumentation, professional issues encountered in the field of sonography and a wide variety of the applications of sonography.

It is a 4 semester part-time course comprising 48 credit points, offered in off-campus mode with on-campus blocks.

Students who successfully complete the Graduate Diploma program will be better able to:

- Carry out a wide range of sonographic procedures in general sonography or a specialised field
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Translate their learning to the workplace and apply their knowledge at an advanced level
- Apply informed critical thinking to their professional activities.

The Graduate Diploma is fully accredited by the Australasian Sonographers Accreditation Registry (ASAR).

### Admission requirements

- Bachelors degree in a relevant field; or
- Graduate Certificate of Health Science (Medical Sonography) from the University of Sydney[1], or equivalent qualification from another University; or
- Diploma of Applied Science (Medical Radiation Technology) from the University of Sydney, or equivalent qualification from another University; or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and
- At least one year of relevant work experience (in the field of their undergraduate studies); and
- A condition of the course is that each student is engaged in sonography for at least 18 hours per week throughout the entire course.

### Course outline

The course outline for the Graduate Diploma of Health Science (Medical Sonography) is presented in Table 19.45.

### Table 19.45: Graduate Diploma of Health Science (Medical Sonography)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1841: off-campus, 4 semesters<br>Award total: 48 credit point<br>Note: Electives are outlined after table 19.46. The choice of electives must be approved by the Course Coordinator prior to enrolment. On-campus residentials are required. Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives. | | | |
| **■ Year 1** | | | |
| Clinical Practice Elective[1] | | | |
| **Semester 1** | | | |
| **BIOS 5047** | *11454* | Biological Sciences | 4 |
| **MRTY 5088** | *18578X* | Physics & Instrumentation I | 6 |
| **Semester 2** | | | |
| **MRTY 5067** | *18557X* | Professional Issues | 4 |

1. Students who entered the Graduate Certificate of Health Science (Medical Sonography) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Graduate Diploma.

Table 19.45: Graduate Diploma of Health Science (Medical Sonography) (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Sonography Elective | | | 6 |
| **■ Year 2** | | | |
| **Semester 1** | | | |
| **MRTY 5068** | *18558X* | Physics and Instrumentation II | 4 |
| Sonography Elective | | | 6 |
| Clinical Practice Elective | | | 4 |
| **Semester 2** | | | |
| Sonography Elective | | | 6 |
| Clinical Practice Elective | | | 4 |

**■ Note**

1. Year 1 Clinical Practice Elective may be taken in Semester 1 or 2.

# ■ Master of Health Science (Medical Sonography)

This program aims to advance the knowledge, skills, and attributes of medical sonographers in their field of specialisation, and to broaden their exposure to the wider field of health sciences.

This is a six semester part-time course comprising 72 credit points.

Holders of the Graduate Diploma of Health Science (Medical Sonography) will receive credit transfer for 48 credit points of the Master's course. Holders of the Graduate Certificate of Health Science (Medical Sonography) will receive credit transfer for 24 credit points of the Master's course. These qualifications will be relinquished on achieving the Master's qualification.

Students who successfully complete the Master's program will be able to:

- Carry out a range of sonographic procedures in general sonography or in their specialised field with a higher degree of ability than is expected from the accreditation level practitioner
- Investigate in detail a topic of interest
- Write coherently and logically
- Discuss advances in medical sonography and their implications for the profession, the health service consumer, and society in general
- Translate their learning to the workplace and take a place as a senior practitioner
- Apply informed critical thinking to their professional activities.

## Admission requirements

- Degree in Medical Radiation Sciences; or
- Degree in a relevant field (eg, nursing). Such applicants may be required to make up deficiencies in identified areas of assumed knowledge (eg, physics, medical imaging modalities, etc.); or
- submit other evidence of general and professional qualifications and/or experience, to satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; or
- the Graduate Certificate of Health Science (Medical Sonography), Graduate Diploma of Applied Science (Medical Ultrasonography) or Graduate Diploma of Health Science (Medical Sonography) from the University of Sydney[2], or
- equivalent qualification from another University; and at least one year of relevant work experience in the field of their undergraduate studies; and be working in the field of sonography for at least 18 hours per week during at least the first two years of the course.

## Course outline

The course outline for the Master of Health Science (Medical Sonography) is presented in Table 19.46

2. Students who entered the Graduate Certificate of Health Science (Medical Sonography) with an undergraduate Diploma or less will be required to achieve at least a Credit average to be admitted to the Master of Health Science.

Table 19.46: Master of Health Science (Medical Sonography)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1842: off-campus; 6 semesters<br>Award total: 72 credit points<br>Note: Electives are outlined after table 19.46. The choice of electives must be approved by the Course Coordinator prior to enrolment. On-campus residentials are required in Year 1 and Year 2. Students wishing to meet accreditation requirements for the Australasian Sonographers Accreditation Registry (ASAR) must consult with an academic adviser regarding choice of electives. | | | |
| **■ Year 1** | | | |
| Clinical Practice Elective[1] | | | |
| **Semester 1** | | | |
| **BIOS 5047** | *11454* | Biological Sciences | 4 |
| **MRTY 5088** | *18578X* | Physics & Instrumentation I | 6 |
| **Semester 2** | | | |
| **MRTY 5067** | *18557X* | Professional Issues | 4 |
| Sonography Elective | | | 6 |
| **■ Year 2** | | | |
| **Semester 1** | | | |
| **MRTY 5068** | *18558X* | Physics and Instrumentation II | 4 |
| Sonography Elective | | | 6 |
| Clinical Practice Elective | | | 4 |
| **Semester 2** | | | |
| Sonography Elective | | | 6 |
| Clinical Practice Elective | | | 4 |
| **■ Year 3** | | | |
| **Semester 1** | | | |
| Elective or Sonography Elective | | | 6 |
| Elective or Clinical Practice Elective | | | 4 or 6 |
| **Semester 2** | | | |
| **MRTY 5086** | *18576X* | Investigative Project | 8 |
| Elective | | | 6 |

**■ Note**

1. Year 1 Clinical Practice Elective may be taken in Semester 1 or 2.

## MHlthSc(Medical Sonography) Electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **■ 1. Sonography electives (6 credit points) – 18S461A/ 18S62D** | | | |
| **Semester 1** | | | |
| **MRTY 5069** | *18559X* | Sonography in Obstetrics and Gynaecology | 6 |
| **MRTY 5070** | *18560X* | Cardiac Sonography | 6 |
| **MRTY 5071** | *18561X* | Vascular Sonography | 6 |
| **MRTY 5072** | *18562X* | Independent Study in Sonography | 6 |
| **Semester 2** | | | |
| **MRTY 5072** | *18562X* | Independent Study in Sonography | 6 |
| **MRTY 5073** | *18563X* | Abdominal Sonography | 6 |
| **MRTY 5074** | *18564X* | Superficial Structures Sonography | 6 |
| **MRTY 5075** | *18565X* | Cardiac Measurement Techniques | 6 |
| **MRTY 5076** | *18566X* | Paediatric Sonography | 6 |
| Some electives offered may depend on sufficient enrolments | | | |
| **■ 2. Clinical practice electives (4 credit points) – 18C41A/ 18C42D** | | | |
| **Offered in both semesters** | | | |
| **MRTY 5078** | *18568X* | Clinical Practice in Abdominal Sonography | 4 |
| **MRTY 5079** | *18569X* | Clinical Practice in Obstetric and Gynaecological Sonography | 4 |
| **MRTY 5080** | *18570X* | Clinical Practice in Superficial Structures Sonography | 4 |
| **MRTY 5081** | *18571X* | Clinical Practice in Vascular Sonography | 4 |
| **MRTY 5082** | *18572X* | Clinical Practice in Cardiac Measurement Techniques | 4 |
| **MRTY 5083** | *18573X* | Clinical Practice in Cardiac Sonography | 4 |
| **MRTY 5084** | *18574X* | Clinical Practice in Paediatric Sonography | 4 |
| **MRTY 5085** | *18575X* | Clinical Practice in Independent Study | 4 |
| **■ 3. Electives (4 or 6 credit points) – 18E61A/00E61A** | | | |
| Choose from the following: | | | |
| **BACH 5085** | *25533/ 25533X* | Clinical Teaching and Supervision | 6 |

MHlthSc(Medical Sonography) Electives (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **BACH 5298** | *25594* | History & Philosophy of Scientific Methodology | 6 |
| **MRTY 5043** | *18533X* | Directed Studies A | 6 |
| **MRTY 5044** | *18534X* | Directed Studies B | 6 |
| **MRTY 5045** | *18535X* | Directed Studies C | 6 |

OR Elective or Research Elective (see chapter 21 for description). Subject to approval by Course Coordinator.
OR Elective (see Medical Radiation Sciences elective units of study). Subject to approval by Course Coordinator.
OR (available as electives for the Graduate Certificate but core units of study for Graduate Diploma or Master's):

| | | | |
|---|---|---|---|
| **MRTY 5067** | *18557X* | Professional Issues | 4 |
| **MRTY 5088** | *18578X* | Physics & Instrumentation I | 6 |

# ■ Master of Applied Science (Medical Radiation Sciences) by Research

The Master of Applied Science (Medical Radiation Sciences) course is a research degree. The course is designed to provide an opportunity for research and scholarship in medical radiation sciences and aims to prepare individuals to pursue their career objectives as specialist practitioners, administrators, academics, or researchers. An important element of the program is the presentation by students on an aspect of their research at the Annual MRS Research Forum.

### Admission requirements

Applicants may enter the research master's program with any of the following requirements:

- A bachelor's degree in an appropriate discipline from an Australian tertiary institution; or
- A bachelor's degree in an appropriate discipline from an overseas institution equivalent to an Australian bachelor's degree; or
- A Diploma of Applied Science and a Graduate Diploma of Health Science (Sonography); or
- A Diploma of Applied Science and a Graduate Diploma of Health Science (Medical Radiation Sciences).

A student entering through (i), (ii), (iii) or (iv) must also additionally be able to demonstrate a capacity to pursue graduate studies and would normally have completed a minimum of twelve months professionally relevant post graduate experience. Applicants in the above categories, particularly for students entering through section (iii) or (iv), may be required to complete a qualifying course program.

### Time limits

The standard course comprises a research elective and a research thesis. The minimum length of course for most students is two years full-time or three years part-time. Students who enter the course with adequate research preparation may be exempt from completing the Research elective. Usually these students would have completed an approved bachelor degree program at honours level. The minimum length of the course for such students is one year full-time or two years part-time.

### Course outline

The course outline for the Master of Applied Science (Medical Radiation Sciences) by Research is presented in Table 19.47. This table refers to the standard program for full-time pass entry students; the program may alter depending on the entry level of the student.

# ■ Medical Radiation Sciences units of study

## BACH 5085 Clinical Teaching and Supervision

Old code 25533/25533X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non exam).

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

*Textbooks*

Faciliting Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

Table 19.47: Master of Applied Science (Medical Radiation Sciences) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|

Course code 1829: Special program (for masters qualifying students)
Course code 1827: full-time, minimum 1.5 years, maximum 2 years
Course code 1828: part-time, minimum 3 years, maximum 4 years
Course code 1833: off-campus part-time, minimum 3 years, maximum 4 years

**Full-time mode**

■ **Year 1**

**Semester 1**

Research elective[1]

| | | | |
|---|---|---|---|
| **MRTY 6004** | *18503A* | Research Thesis | |

**Semester 2**

| | | | |
|---|---|---|---|
| **MRTY 6005** | *18503B* | Research Thesis | |

■ **Year 2 (and subsequent years)**

**Semester 1**

| | | | |
|---|---|---|---|
| **MRTY 6006** | *18503C* | Research Thesis | |

**Semester 2**

| | | | |
|---|---|---|---|
| **MRTY 6007** | *18503D* | Research Thesis | |

**Part-time mode**

■ **Year 1**

**Semester 1**

Research elective[1]

| | | | |
|---|---|---|---|
| **MRTY 6008** | *18503E* | Research Thesis | |

**Semester 2**

| | | | |
|---|---|---|---|
| **MRTY 6009** | *18503F* | Research Thesis | |

■ **Year 2 (and subsequent years)**

**Semester 1**

| | | | |
|---|---|---|---|
| **MRTY 6010** | *18503G* | Research Thesis | |

**Semester 2**

| | | | |
|---|---|---|---|
| **MRTY 6009** | *18503F* | Research Thesis | |

**Note**

1. Research Elective: students select an appropriate unit (subject to sufficient student numbers) in consultation with their supervisors. For a list of suggested research electives see chapter 21.

## 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 5047 Biological Sciences

Old code 11454. 4 credit points. Dr Laurette Batmanian (02) 9351 9322. **Semester**: 1. **Classes**: On-campus, off-campus, external/distance mode. **Assessment**: Written examination, assignment, group participation and case reports.

This unit examines the general principles and mechanisms of the pathology of diseases which may be encountered in the practice of general and specialty sonography. It also covers basic embryological development.

*Textbooks*

1. Essentials of Human Embryology. 5th Edition. Larsen, W.J. (1998). Churchill Livingstone.
2. Pathology for the Health Related Professions. 2nd Edition. Damjanov, I. (2000). W.B. Saunders Company.

### MRTY 5024 **Current Issues in Medical Radiations**

Old code 18515X. 6 credit points. Dr Ann Poulos. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit of study is designed to facilitate learning through discussion of current issues of interest to practitioners working in the field of medical radiation science. Journal articles which reflect topical debates will be studied. Students will be encouraged to discuss relevant articles both from their own area of practice and from other modalities within the field of medical radiations.

*Textbooks*

Essential reading supplied

### MRTY 5028 **Advanced Image Processing**

Old code 18518X. 6 credit points. Mr Barrie Egerton. **Semester**: 1, 2. **Classes**: Off campus. **Assessment**: Continuous assessments, no examination.

This unit of study deals with advanced image processing techniques including procedures relevant to imaging equipment used in diagnostic radiography, nuclear medicine technology, radiation therapy, sonography, and research in these areas. The unit will be presented in a series of distance education modules.

*Textbooks*

1. Digital Image Processing (2001), Gonzalez & Woods, Addison Wesley.
2. Handbook of Medical Imaging – Processing and Analysis (2000) Isaac N Bankman.

### MRTY 5030 **Advanced Radiographic Pathology**

Old code 18520X. 6 credit points. Mr Edward Caruana. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit of study will enhance the image interpretation and critiquing skills utilised by the diagnostic radiographer. The unit of study will comprise an introductory module based on paediatric pathology followed by the pathology of the central nervous, genitourinary, gastrointestinal, skeletal, chest and cardiac systems. This unit will be presented in a series of distance education modules that will be supported by online Internet discussion groups. The assessment will be tailored to the clinical needs of individual students.

*Textbooks*

Pathophysiology: The Biological Basis for Disease In Adults And Children (3rd ed), McCance, K & Hvether, S (1998), Morby would be useful

### MRTY 5031 **Applied SPECT**

Old code 18521X. 6 credit points. Dr Dale Bailey. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit is designed to optimise the single photon emission computer tomography (SPECT) expertise of practitioners. It focuses on SPECT acquisition, quality control and reconstruction. The subject will provide a deeper understanding of the principles, techniques and application of SPECT and will clarify the student's understanding of the role of SPECT in clinical diagnosis. The subject will be offered in distance education mode.

### MRTY 5033 **Breast Imaging I**

Old code 18523X. 6 credit points. Dr Ann Poulos. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit of study comprises three modules incorporating the context of mammography, technical expertise and client and radiographer satisfaction in mammography. Breast Imaging I will be delivered in distance education mode.

### MRTY 5034 **Breast imaging II**

Old code 18524X. 6 credit points. Dr Ann Poulos. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit of study expands and extends the material presented in Breast Imaging I. As well, the role of advanced technologies in breast imaging such as MRI and nuclear medicine will be discussed. Breast Imaging II is delivered in distance education mode.

### MRTY 5035 **Breast Imaging III**

Old code 18525X. 6 credit points. Dr Ann Poulos. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit completes three units in breast imaging. Breast ultrasound as an imaging modality is covered in depth with emphasis on its role in the diagnosis of breast cancer. While this unit is not currently designed to produce a qualified breast sonographer, it is valuable to mammography as a complementary imaging method. The fundamental physical theory of ultrasound and its applications to ultrasound of the breast will be examined. This unit will be delivered in distance education mode with no requirement for attendance on-campus.

### MRTY 5038 **Diagnostic Imaging for Radiation Therapists**

Old code 18528X. 6 credit points. Dr Alastair Davison. **Semester**: 1. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit provides the non-medical-imaging practitioner with an understanding and overview of the principles underlying a range of imaging modalities. These modalities include planar radiographs, CT, MRI, SPECT, PET and ultrasound. The advantages and limitations of using each modality in radiation therapy practice will be addressed. The unit will be presented in a series of distance education modules with on-line discussion groups.

**Practical**: Access to an imaging department / centre would be advantageous.

*Textbooks*

A compulsory text is provided (on deposit) with the course material

### MRTY 5039 **CT Applications**

Old code 18529X. 6 credit points. Ms Sarah Lewis. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit covers the application of CT in the clinical environment, in order for students to develop and extend the theoretical skills acquired in CT Practice I and CT practice II. There is a strong focus on 3D and virtual imaging techniques with reference to current research evidence. The main learning activity in this unit of study is a small directed research project. It is preferable that students have completed CT Practice I & II prior to undertaking CT Applications as it is designed for advanced users.

**Practical**: Access to CT scanner is expected

*Textbooks*

Reference Lists provided throughout course material. Some journal articles included

### MRTY 5040 **CT Practice I**

Old code 18530X. 6 credit points. Ms Sarah Lewis. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

CT Practice I includes both helical (Single and Multi-slice) and conventional computed tomography. The unit of study looks briefly at the historical development and physics of CT. The variables controlled by the radiographer are discussed with particular emphasis on the effect these parameters have on the resultant scan. A thorough understanding of these effects is essential if the radiographer is to obtain optimal images when scanning. Recording of the images obtained is discussed, with the rationale for the settings used and the reconstructions routinely performed. These basic concepts lead to the development of possible protocols for the CT scans most commonly ordered. Areas covered will include brain, thorax and abdomen. The unit will look critically at the choice of parameters for these protocols and situations when the parameters may need to be varied in order to obtain optimal images. Protocols will include patient booking, preparation, contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice I is offered in distance education mode with Internet support. There will be no residentials. The student is expected to have access to a CT scanner, although not necessarily at their place of work.

**Practical**: Access to CT scanner is expected

*Textbooks*

Reference lists provided throughtout course material. Some journal articles included

### MRTY 5041 **CT Practice II**

Old code 18531X. 6 credit points. Ms Sarah Lewis. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examinations.

CT Practice II includes specialist CT examinations such as dental CT, QCT and 3D CT applications including angiography. This unit of study does not cover CT anatomy in depth. The basic physics of these CT applications will be covered in this unit. The unit will look critically at the choice of parameters for these examinations and situations when the parameters may need to be varied in order to complete an optimal examination. Protocols for these examinations will include patient booking, preparation,

contrast media, scan plans, exposure factors, image reconstruction and recording, and patient care. CT Practice II is offered in distance education mode. Content for this unit of study will be provided by professionals currently involved in specialist CT areas. Access to a CT scanner performing at least one of the specialist functions is advisable.
**Practical**: Access to a CT scanner is expected
*Textbooks*
Resource list provided in course material. Basic journal articles supplied

### MRTY 5042 Digital Communications in Medical Radiation Sciences

Old code 18532X. 6 credit points. To be advised. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.
This unit of study provides students with an understanding of digital image fundamentals, such as image acquisition, storage and transmission and implications on image quality and dose. Management and the communication systems needed to facilitate patient care procedures will be examined, including PACS, DICOM, RIS, tele-radiology and record and verify systems. This unit also provides the student with the opportunity to examine computer based methods to efficiently utilise staff time and resources within a Medical Radiation department.
- Subject to availability

### MRTY 5043 Directed Studies A

Old code 18533X. 6 credit points. Dr Alastair Davison. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Negotiated assessment, examination unlikely.
The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study Directed Studies B or C must first complete Directed Studies A.

### MRTY 5044 Directed Studies B

Old code 18534X. 6 credit points. Dr Alastair Davison. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Negotiated assessment, examination unlikely.
The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study Directed Studies B must first complete Directed Studies A.

### MRTY 5045 Directed Studies C

Old code 18535X. 6 credit points. Dr Alastair Davison. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Negotiated assessment, examination unlikely.
The unit allows the student, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student. The student must initially present a proposal to the Head of School. Upon preliminary approval, a supervisor will be appointed, and a firm contract will be negotiated and agreed upon by all parties to achieve the desired educational outcomes. The unit of study may comprise, for instance, a literature review covering the development and applications of a new technology, it may comprise a personal reading and study program, it may involve specific workplace experience and analysis, or it may comprise a combination of these elements. It may not be possible for all students to enrol in this subject, as it depends strongly upon the provision of suitable resources and experiences in the workplace, plus cooperation and commitment from the student's employer. Students wishing to study Directed Studies C must first complete Directed Studies A.

### MRTY 5047 History of Medical Radiations

Old code 18537X. 6 credit points. Mr Peter Kench. **Semester**: 1. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.
The study of history provides the opportunity to learn and understand the strengths and mistakes of the past and to plan for improving the future. Medical radiations has a history in excess of 100 years and most would agree the technology will continue to change indefinitely. Despite this technological progress the medical radiation profession is still developing it's standing in the health industry. The subject, 'History of Medical Radiations' aims to provide an insight into the past with a view to empowering the future. The subject will develop research and writing skills through the study of areas such as early radiation discovery, the dominance of radiologists, the rise and future of the nuclear debate, medical radiation education and independent private practice. The subject will be offered in off-campus mode supported by email discussion groups.

### MRTY 5048 Image Interpretation

Old code 18538X. 6 credit points. Mr John Robinson. **Semester**: 2. **Classes**: Off-campus. **Assumed knowledge**: Advised that advanced Radiographic Pathology is completed prior to studying this unit. **Assessment**: Continuous assessment, no examination.
This unit of study will provide the student with image appreciation skills and knowledge of radiological and clinical indicators which identify basic radiographic pathology of the upper extremity.
*Textbooks*
Selected readings and list of recommended reference texts is supplied. The student will need to read extensively texts and journal articles to complete the assessments.

### MRTY 5049 Isotope Production

Old code 18539X. 6 credit points. Ms Elisabeth Kilburn-Watt. **Semester**: 1. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.
The aim of this unit is to acquaint the student with the physical principles and techniques of isotope production. Students will be able to clarify their understanding about QC and safe handling of radioisotopes. It will focus on advanced understanding of nuclear reactor, cyclotron and other particle accelerators for isotope production. Emphasis will be given to production of positron emitters for PET study. This course will highlight the application of recently developed radionuclides for radioimmunotherapy and diagnostic purposes using SPECT and PET facilities. This subject will be offered in distance education mode.

### MRTY 5051 MR Theory

Old code 18541X. 6 credit points. Mr Warren Reed. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.
This unit addresses the principles of magnetic resonance imaging. The areas addressed will be the principles of NMR, image contrast, factors affecting image formation, plus pulse sequences used from Spin Echo through to current fast imaging and Echo Planar techniques. The applications of MRI in medical imaging will be addressed with the effects of signal-to-noise ratio, fat saturation, artefacts and flow effects being discussed. The biological effects and aspects of patient safety will be included in this subject. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.
**Practical**: Access to MRI would assist the student to complete the assessments.

### MRTY 5052 **MR Applications I**

Old code 18542X. 6 credit points. Mr John Robinson. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit will study the applications and protocols of MR imaging in the central nervous system. The assessment in this unit will be by submission of clinical assignments, so students will need access to a MRI unit. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

**Practical**: Access to MRI is expected

### MRTY 5053 **MR Applications II**

Old code 18543X. 6 credit points. Mr John Robinson. **Semester**: 1, 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit will study the applications and protocols of MR imaging of the musculoskeletal system focussing on the knee, hip, wrist and shoulder joints. The assessment in this unit will be by submission of clinical assignments, so students will need access to a MRI unit. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

**Practical**: Access to MRI is expected

### MRTY 5054 **Nuclear Cardiology**

Old code 18544X. 6 credit points. Mr Peter Kench. **Semester**: 2 (Elective). **Classes**: Off-campus. **Assumed knowledge**: Basic principleas of Nuclear Medicine Imaging. **Assessment**: Assignments and In service seminar.

This unit of study examines the application of radionuclides and imaging procedures to the investigation of the cardiovascular system. The focus will be on the use of nuclear cardiology to measure myocardial perfusion and cardiac function. New directions in nuclear cardiology will also be examined. The student will be encouraged to examine the application of new cardiac imaging techniques and technologies in the workplace and develop a research project in a selected area of nuclear cardiology. This subject will be presented in a series of distance education modules that will be supported by email discussion groups.

### MRTY 5055 **Introduction to Functional Neuro-imaging**

Old code 18545X. 6 credit points. Dr Simon Cowell. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

Neuro-imaging techniques such as positron emission tomography (PET), functional magnetic resonance imaging (fMRI), single photon emission computed tomography (SPECT), electroencephalography (EEG), magnetic resonance spectroscopy, (MRS), event related potentials (ERP) and magnetoencephalography (MEG) are used to map functional areas of the brain. While these techniques are frequently cited across a range of disciplines including; neurology, psychiatry, speech pathology, radiography, radiology, nuclear medicine and neuropsychology, many practitioners have only a vague understanding of the principles and applications of these techniques. This is understandable as functional brain mapping uses complex technology that is constantly changing. This unit of study aims: (a) to introduce practitioners to the principles and complementary applications of these techniques and (b) to develop practical understanding of specific brain mapping issues such as paradigm design, patient interaction and image coregistration. The unit will be offered in distance education mode.

### MRTY 5056 **Patient/Practitioner Communication**

Old code 18546X. 6 credit points. Mr John Atyeo. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. The enhancement of listening skills will be encouraged, with an emphasis on patient empowerment and history and note-taking. Transfer of information from the practitioner to the patient will also be covered. The student will collect local information regarding patient support services. Video and audio tapes may be used to provide practical examples for student study.

*Textbooks*

No specific text recommended. Primary & secondary library sources to be accessed by student

### MRTY 5057 **Prevention and Care of Radiation Injury**

Old code 18547X. 6 credit points. Ms Danielle Milinkovic. **Semester**: 1. **Classes**: Off-campus. **Assumed knowledge**: Basic Biology. **Assessment**: Continuous assessment, no examination.

This unit extends the radiation therapist's knowledge of the radiation injuries commonly seen in a radiation oncology department. The mechanism of injury is examined, and methods of dealing with radiation therapy sequelae are addressed. Content includes physiology of radiation injury, including erythema, gastro-intestinal complications and haematopoietic complications, pharmacology for radiation injury, and wound healing and dressings. The subject will be presented in distance education mode, with no residential school.

*Textbooks*

Essential reading is supplied

### MRTY 5058 **Quality Management in Medical Radiations**

Old code 18548X. 6 credit points. Ms Nikki Field. **Semester**: 1. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

Quality management has become an important part of the operation of the medical radiations department. A well-developed quality assurance program can provide confidence that the intended quality is being achieved and maintained. This unit of study presents the theory of quality management and relates it to the day-to-day operations of the medical radiations department. Examples will be presented from the fields of radiography, nuclear medicine and radiation therapy, and students will have the opportunity to design or critique their own quality management system. The unit will be presented in distance learning mode.

**Practical**: Access to a medical radiation department is expected

*Textbooks*

Essential reading is supplied

### MRTY 5059 **Radiation Safety**

Old code 18549X. 6 credit points. Mr Barrie Egerton. **Semester**: 2. **Assessment**: Continuous assessment, no examination.

This unit of study provides participants with a detailed coverage of radiological health and safety issues including both ionising and non-ionising radiations. The unit is particularly concerned with all aspects of radiation safety in the medical environment, including a broader understanding of the relevance of radiation safety principles and a comprehensive appraisal of legal responsibilities. The unit will be presented in a series of distance education modules.

*Textbooks*

1. Practical Radiation Protection and Applied Radiobiology (1999). Dowd SB and Tilson ER.
2. Introduction to Health Physics (1996), Cember H.

### MRTY 5060 **Radiation Therapy Treatment Planning Systems**

Old code 18550X. 6 credit points. Ms Danielle Milinkovic. **Semester**: 2. **Classes**: Off-campus. **Prerequisite**: Diagnostic Imaging for Radiation Therapists MRTY 5038 (18528X) is useful but not essential. **Assessment**: Continuous assessment, no examination.

This unit of study provides the radiation therapist with an understanding of the functional features of and differences between two and three dimensional treatment planning systems. The image processing tools available on treatment planning systems will be described and an overview of dose computation methods will be presented. Emphasis is placed on the visualisation methods available on 3D planning systems. These methods are described and their potential advantages and limitations are discussed. Students will be given the opportunity to investigate the application and impact of 3D treatment planning on clinical practice. The unit will be presented in a series of distance education modules which will be supported by on-line Internet discussion groups.

*Textbooks*

Essential reading is supplied

### MRTY 5062 **Specialised Skeletal Scintigraphy**

Old code 18552X. 6 credit points. Ms Edwina Adams. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit aims to extend the learning and clinical ability of graduate students in best practice contemporary skeletal nuclear medicine. The unit will be presented in two major modules. The first module focuses on the relationship between expert scintigraphic positioning and radiological positioning in enhancing diagnosis. In the second module the best practice theme is further developed through the study of nuclear medicine

in sport. The unit then moves on to the study of a number of smaller modules in specialised applications of skeletal nuclear medicine including paediatrics and bone mineral densitometry. The unit will be presented in a series of distance education modules.

### MRTY 5063 **511 keV Imaging**

Old code 18553X. 6 credit points. Ms Edwina Adams. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

With the advent of Positron Emission Tomography (PET) gamma cameras there is a need to understand the underlying principles of coincidence imaging and PET radiopharmaceuticals. This subject will examine the safety issues related to the handling of PET isotopes and patient imaging. Instrumentation and imaging principles will be examined, and applications of FDG imaging within the nuclear medicine department will be included. This unit will be presented in a series of distant education modules.

### MRTY 5064 **Stabilisation and Positioning**

Old code 18554X. 6 credit points. Ms Jenny Cox. **Semester**: 1. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit covers in detail the latest research into stabilisation and positioning of the radiation therapy patient. Detection of patient and organ movement, the differences between stability and reproducibility, and random and systematic errors are investigated. Students will select a particular stabilisation or positioning problem and investigate ways of addressing the problem. This subject will be presented in a series of distance education modules which will be supported by on-line Internet discussion groups.

*Textbooks*

Essential reading is supplied

### MRTY 5066 **Theory of Radiation Therapy Planning Calculations**

Old code 18556X. 6 credit points. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit of study provides students with an in depth study of radiation therapy treatment planning calculation methods. An appreciation of the relevance of manual calculations and their methods (basic monitor unit calculations) will be established before embarking on a study of traditional correction-based and contemporary model-based algorithms. The unit will conclude with a reflection on the philosophy of treatment planning approaches in the light of current trends towards treatment optimisation and inverse planning. This unit will be offered in distance mode, which will be supported with on-line Internet activities and discussion. This unit is most suited to students with experience in radiation therapy planning and who have a good grasp of basic mathematics.

*Textbooks*

The Physics of Radiotherapy X-rays for Linear Accelerators Metcalfe P. Kron T., Koban P.

### MRTY 5067 **Professional Issues**

Old code 18557X. 4 credit points. Ms Jill Clarke. **Semester**: 2. **Classes**: Block attendance. **Assessment**: Assignments.

This unit introduces students to medico-legal and patient relationship issues which may be encountered in the field of sonography. It also introduces students to the ethical principles required in order to develop an understanding of professionally accepted behaviours and standards appropriate to the practice of medical sonography within the broad context of the delivery of health care. Modules are offered for study in distance mode. These are combined with discussion of the issues presented, at an on-campus block.

### MRTY 5068 **Physics and Instrumentation II**

Old code 18558X. 4 credit points. Dr Alastair Davison. **Semester**: 1. **Classes**: Block attendance. **Prerequisite**: Physics and Instrumentation I MRTY 5088 (18578X). **Assessment**: Assignments and examination.

This unit builds on the physical principles and instrumentation of diagnostic ultrasound presented in Physics and Instrumentation I. It covers areas such as quality assurance programs for instrumentation, the interaction of ultrasound and biological tissue and the possible biological effects which may occur, and the principles of image formation and processing as applied in ultrasound instrumentation. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

### MRTY 5069 **Sonography in Obstetrics and Gynaecology**

Old code 18559X. 6 credit points. Ms Jane Fonda (02) 9351 9185. **Semester**: 1. **Classes**: Block attendance. **Assessment**: Assignments, film reading and examination.

This unit examines in detail sonography of soft tissues in the female pelvis and in obstetrics. Distance learning modules are provided and are supported with on-campus block lectures and tutorials.

### MRTY 5070 **Cardiac Sonography**

Old code 18560X. 6 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 1. **Classes**: Block attendance. **Assessment**: Assignments and examination.

This unit examines sonography of the adult heart in detail, and introduces paediatric echocardiography and congenital conditions encountered in adult practice. In addition, some complimentary techniques used in cardiac diagnosis and care are presented.

Distance learning modules are provided and are supported by on-campus lectures and tutorials.

### MRTY 5071 **Vascular Sonography**

Old code 18561X. 6 credit points. Ms Jill Clarke. **Semester**: 1. **Classes**: Block attendance. **Assessment**: Assignments and examination.

This unit of study provides students with an understanding of both non-invasive and sonographic methods of detection of vascular disease processes.

Distance learning modules are provided and are supported by on-campus lectures and tutorials.

### MRTY 5072 **Independent Study in Sonography**

Old code 18562X. 6 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 1, 2. **Assessment**: As negotiated.

This unit will allow students to engage in an investigation of sonographic practice not covered by the existing units of study and will require a learning contract negotiated between the student and staff. While regular communication with the nominated supervisor will be required, on-campus attendance is not necessary.

### MRTY 5073 **Abdominal Sonography**

Old code 18563X. 6 credit points. Ms Jill Clarke (02), (02) 93519516. **Semester**: 2. **Classes**: Block attendance. **Assessment**: Assignments, film reading test and examination.

This unit examines in detail sonography of the soft tissues of the upper abdomen and the male pelvis. Distance learning modules are provided and are supported with online tutorials, and lectures and tutorials in an on-campus block.

### MRTY 5074 **Superficial Structures Sonography**

Old code 18564X. 6 credit points. Ms Jane Fonda (02) 9351 9185. **Semester**: 2. **Classes**: Block attendance. **Assessment**: Assignments, film reading and examination.

This unit examines in detail sonography applied to superficial organs and structures, including basic peripheral vascular introduction to cardiac and musculoskeletal sonography. Distance learning modules are provided and supported by lectures and tutorials in an on-campus block.

**Practical**: Minimum 18 hours/week

### MRTY 5075 **Cardiac Measurement Techniques**

Old code 18565X. 6 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 2. **Classes**: Block attendance. **Assessment**: Assignments and examination.

This unit covers cardiac physiological measurement techniques used in clinical settings. Distance learning modules are provided and are supported by lectures and tutorials in an on-campus block.

### MRTY 5076 **Paediatric Sonography**

Old code 18566X. 6 credit points. Ms Jill Clarke. **Semester**: 2. **Assessment**: Assignments as negotiated.

This unit covers general sonography as applied to the paediatric patient, including patient care and studies unique to the paediatric population. This unit will be facilitated in distance education mode.

### MRTY 5078 **Clinical Practice in Abdominal Sonography**

Old code 18568X. 4 credit points. Ms Jane Fonda (02) 9351 9185. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Abdominal Sonography (MRTY 5073).

**Practical**: Minimum 18 hours/week

### MRTY 5079 Clinical Practice in Obstetric and Gynaecological Sonography

Old code 18569X. 4 credit points. Ms Jane Fonda (02) 9351 9185. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Sonography in Obstetrics and Gynaecology (MRTY 5069).

**Practical**: Minimum 18 hours/week

### MRTY 5080 Clinical Practice in Superficial Structures Sonography

Old code 18570X. 4 credit points. Ms Jane Fonda (02) 9351 9185. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of sonography in the clinical environment, in order for the student to develop skills as taught in Superficial Structures Sonography (MRTY 5074).

**Practical**: Minimum 18 hours/week

### MRTY 5081 Clinical Practice in Vascular Sonography

Old code 18571X. 4 credit points. Ms Jill Clarke. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of vascular sonography in the clinical environment, in order for the student to develop skills as taught in Vascular Sonography (MRTY 5071).

**Practical**: Minimum 18 hours/week

### MRTY 5082 Clinical Practice in Cardiac Measurement Techniques

Old code 18572X. 4 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of cardiac measurement techniques in the clinical environment, in order for the student to develop skills as taught in Cardiac Measurement Techniques (MRTY 5075).

**Practical**: Minimum 8 hours/week

### MRTY 5083 Clinical Practice in Cardiac Sonography

Old code 18573X. 4 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of cardiac sonography in the clinical environment, in order for the student to develop skills as taught in Cardiac Sonography (MRTY 5070)

**Practical**: Minimum 18 hours/week

### MRTY 5084 Clinical Practice in Paediatric Sonography

Old code 18574X. 4 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 1, 2. **Assessment**: Clinical skills assessments.

This unit covers the application of paediatric sonography in the clinical environment, in order for the student to develop skills as taught in Paediatric Sonography (MRTY 5076).

**Practical**: Minimum 18 hours/week

### MRTY 5085 Clinical Practice in Independent Study

Old code 18575X. 4 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 1, 2. **Assessment**: Clinical skills assessment.

This unit covers the application of an investigation of sonographic practice in the clinical environment, in order for the student to develop skills as acquired in Independent Study in Sonography (MRTY 5072).

**Practical**: Minimum 18 hours/week

### MRTY 5086 Investigative Project

Old code 18576X. 8 credit points. Ms Jill Clarke (02) 9351 9516. **Semester**: 2. **Assessment**: Dissertation.

This unit provides the student with the opportunity to undertake a supervised project. This will consist of either a substantial literature review and critique on a topic of interest to the student from the student's major field, or a research oriented project in which the student may carry out a small pilot study aiming towards the development of a research proposal for a future Master's (Research) or PhD project. This unit of study can be facilitated on-campus or off-campus.

### MRTY 5087 Advanced MR Theory

Old code 18577. 6 credit points. Mr John Robinson. **Semester**: 1, 2. **Classes**: Off-campus. **Assumed knowledge**: Advised that MR Theory and MR applications I are completed prior to studying this unit. **Assessment**: Continuous assessment, no examination.

This unit of study is designed to articulate with the unit 18541X MR Theory, and expand the practitioner's understanding of flow phenomena and the techniques of TOF-MRA, PC-MRA and CE-MRA. The applications of all these in medical imaging will be thoroughly explored and would require the practitioner to have regular and constant access to a magnetic resonance imaging site. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

**Practical**: Access to MRI is expected

### MRTY 5088 Physics & Instrumentation I

Old code 18578X. 6 credit points. Mr Barrie Egerton. **Semester**: 1. **Classes**: Block attendance. **Assessment**: Assignments, test and compulsory pass examination.

This unit presents the basic physical principles and instrumentation of diagnostic ultrasound. It includes methods of image production, interpretation, recording techniques, the principles of grey scale echography and adjustment procedures for relevant operation controls. The unit also covers the recognition of artefacts within an image and the ability to separate these artefacts from anatomy or disease, and Doppler ultrasound fundamentals. Students in this unit are supported by distance materials and tutorial sessions in an on-campus block.

*Textbooks*

1. Applied Physics and Technology of Diagnostic Ultrasound (1997). Gent, R.
2. Diagnostic Ultrasound: Principles and Instruments (2001). Kremkau, FW.

### MRTY 5089 MRI Project

Old code 18579X. 6 credit points. Mr John Robinson. **Semester**: 1, 2. **Classes**: Off-campus. **Prerequisite**: Students are advised to complete at least two MR units of study before undertaking this unit. **Assessment**: Negotiated assessment.

This unit allows the student studying MRI, in collaboration with the University supervisor and the student's employer, to tailor the content and mode of presentation to suit the needs of the student and the workplace. For example, new technology or procedures may be introduced into the workplace, necessitating changes in the knowledge, skills and attributes of the student or the MRI practitioners. This unit will require a learning contract that will achieve the desired educational outcomes to be negotiated and agreed upon by all parties. The unit of study will be directed towards MRI and may comprise a literature review covering the development and applications of a new technology, a specific workplace experience and analysis, or it may comprise a combination of these elements.

### MRTY 5090 Advanced Multiplanar Anatomy A

Old code 18580X. 6 credit points. Dr Ann Poulos. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examinations.

Detailed anatomy of the musculoskeletal system and vascular systems of the thorax is presented in this unit. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The unit will be presented in distance education format with no requirement for attendance on-campus.

### MRTY 5091 Advanced Multiplanar Anatomy B

Old code 18581X. 6 credit points. Mr John Robinson. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examinations.

Detailed anatomy of the brain is presented in this unit. The regions studied are the brain stem, cranial nerves and nuclei, cerebellum, diencephalon, cerebral hemisphere and cortex, basal ganglia, limbic system, ventricular system and the blood supply. The practical component involves interpretation of hard copy images and will be predominantly MR images. The advantage of specific planes with respect to the demonstration of specific pathologies will be discussed. While this unit is targeted at professionals working with CT and/or MRI, it could also be directly relevant to professionals working with SPECT and those using CT and MR images in radiation therapy planning. A basic knowledge of cross-sectional anatomy is assumed. The delivery will be in distance education mode and will utilise a range of media, including printed material, CD ROM and floppy disks.

### MRTY 5092 Applied Bone Mineral Densitometry

Old code 18582X. 6 credit points. Mr Peter Kench. **Semester**: 2. **Classes**: Off-campus to local and international students, approximately 8–10 hours per week. **Assumed knowledge**: Knowledge of the fundamentals of quantitative bone assessment to the level reached by

Physics and Instrumentation of Quantitative Bone Assessment and familiarity with equipment and their use. **Assessment**: Continuous assessment, no examinations.

This unit of study extends foundation knowledge to the practical application in modern densitometers. Increased knowledge and understanding of the practical applications of bone mineral densitmetry including optimisation of scanning, analysis and interpretation of results.

*Textbooks*

Essential reading (articles, book extracts) provided in course notes.

### MRTY 5093 **Physics & Intrumentation of Quantitative Bone Assessment**

Old code 18583X. 6 credit points. Mr Peter Kench. **Semester**: 1. **Classes**: Off-campus to local and international students, approximately 8–10 hours a week. **Assumed knowledge**: Familiarity with bone mineral densitometry equipment. **Assessment**: Continuous assessment, no examinations.

Specific topic areas covered are: Satistics; Computing in BMD; Radiation Biology and Protection; Physics and Instrumentation of DXA and QUS; Quality Assurance of DXA; Quality Control of DXA; Morphometric X-ray Absorptiometry; Introduction to QCT, pDXA, SPA and MRI; Body composition.

This unit of study provides an understanding of the fundamentals underpinning the quantitative assessment of bone. It gives emphasis to those areas that are critical for practitioners involved in the operation of modern bone densitometers and assessment of the clinical results.

*Textbooks*

Essential readings (articles, book extracts) provided in course notes.

### MRTY 5094 **Brachytherapy Theory**

Old code 18584X. 6 credit points. Ms Jackie Noble, University of Otago. **Semester**: 1. **Classes**: Off-campus delivery to local and international students. **Assumed knowledge**: Some clinical experience in brachytherapy. **Assessment**: Continuous assessment, no examinations.

This unit will provide an understanding of the historical development of brachytherapy and increased knowledge of the fundamental principles of brachytherapy techniques, dosimetry, planning and delivery. Content includes: historical perspective of brachytherapy; implantation techniques; instrumentation fundamentals – delivery systems, sources, dosimetry; principles of brachytherapy planning; radiobiology and protection.

*Textbooks*

Essential reading (articles, book extracts) provided in course notes

### MRTY 5095 **Brachytherapy Applications**

Old code 18585X. 6 credit points. Ms Jackie Noble, University of Otago. **Semester**: 1. **Classes**: Off-campus (distance) to local and international students 8–10 hours per week. **Assumed knowledge**: Understanding of fundamentals and principles of brachytherapy to the level reached in the unit, Brachytherapy Theory. Access to clinical Brachytherapy and a mentor is essential. **Assessment**: Assignments.

*NB: Students require access to clinical patient cases to complete this unit. Students are expected to complete at least three patient cases per month.*

This unit will cover the practical applications of the three main modes of brachytherapy; intracavitary, intrauminal (intravascular) and interstitial. Factors considered will be common disease sites; indications for brachytherapy in the overall management of disease; implantation procedures; planning; treatment and post implant care. An understanding of the practical appplications of brachytherapy; knowledge and skills to carry out a range of brachytherapy procedures will be covered. The role and indications for brachytherapy as a treatment option in the overall management of disease are presented.

*Textbooks*

Essential reading (articles, book extracts) provided in course notes.

### MRTY 5096 **Introduction to Nuclear Medicine Imaging Interpretation**

Old code 18586X. 6 credit points. Dr Simon Cowell, Dr Hosen Kiat. **Semester**: 2. **Classes**: Off-campus. **Assumed knowledge**: Clinical experience in nuclear medicine. **Assessment**: Continuous.

This unit of study will provide the student with knowledge of the limitations and artefacts common to nuclear medicine studies, an understanding of the factors to be considered in the interpretation of nuclear medicine studies plus skills in writing a provisional \t diagnosis. They will therefore require access to a nuclear medicine specialist as a mentor.

### MRTY 5097 **CT for Nuclear Medicine Technologists**

Old code 18587X. 6 credit points. Ms Edwina Adams. **Semester**: 1, 2. **Classes**: Off-campus. **Assumed knowledge**: Clinical experience in nuclear medicine. **Assessment**: Continuous.

This unit of study is directed at developing knowledge and understanding of computerised tomography (CT) as it applies to nuclear medicine. The overriding focus is on ensuring quality nuclear medicine CT studies and a high standard of radiation safety. The study content includes; radiographic principles and radiation safety; CT instrumentation design and image reconstruction methods; CT scan acquisition and impact of scan parameters on patient dose; attenuation correction and image co-registration in nuclear medicine CT systems; basic principles of radiography; quality control. The unit will be presented as a series of distance education modules.

### MRTY 6004 **Research Thesis**

Old code 18503A. **Semester**: 1. **Classes**: On or Off-campus. **Assessment**: Thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

### MRTY 6005 **Research Thesis**

Old code 18503B. **Semester**: 2. **Classes**: On or Off-campus. **Assessment**: Thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

### MRTY 6006 **Research Thesis**

Old code 18503C. **Semester**: 1. **Classes**: On or Off-campus. **Assessment**: Thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

### MRTY 6007 **Research Thesis**

Old code 18503D. **Semester**: 2. **Classes**: On or Off-campus. **Assessment**: Thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

### MRTY 6008 **Research Thesis**

Old code 18503E. **Semester**: 1. **Assessment**: thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

### MRTY 6009 **Research Thesis**

Old code 18503F. **Semester**: 2. **Classes**: On or Off-campus. **Assessment**: Thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

### MRTY 6010 **Research Thesis**

Old code 18503G. **Semester**: 1. **Classes**: On or Off-campus. **Assessment**: Thesis.

The successful submission of a research thesis is the ultimate objective of the course. Students are given the opportunity to investigate in depth an area of specialised interest in medical radiation technology of a closely related area. This process will necessitate a collaborative endeavour between the student and the supervisor(s).

# School of Occupation and Leisure Sciences

## ■ Graduate Certificate of Health Science (Occupational Therapy)

The Graduate Certificate of Health Science (Occupational Therapy) is a fee paying course which is designed to provide specific professional development for occupational therapists who wish to extend the knowledge, skills and attitude required by their professional roles of Practitioner and Learner/Teacher. Participants enrolled in this program may complete their studies with a specialist focus. A specialty requires that 75 percent of credit points are completed in an identified topic area. These topic areas are negotiated between the student and course coordinator with approval of the Head of School. Units of study in the Graduate Certificate are embedded in the Master's by Coursework and may be credited against the requirements of this program.

### Admission requirements

(i) Possess an award of Bachelor of Applied Science (Occupational Therapy) from Cumberland College of Health Sciences or The University of Sydney; or

(ii) Possess an award of Bachelor of Applied Science (Honours) in Occupational Therapy from The University of Sydney or

(iii) Possess an award of Bachelor of Science with a major in anatomy from the University of New South Wales, and a Graduate Diploma in Occupational Therapy from Cumberland College of Health Sciences;

(iv) Possess an award of Master of Occupational Therapy from The University of Sydney or

(v) Possess such qualifications as are deemed equivalent to (1), (2), (3) or 4.

(vi) Possess an award of Diploma in Occupational Therapy from a recognised educational body and submit such other evidence of general and/or professional qualifications as will satisfy the Faculty that the applicant possess the educational preparation and capacity to pursue graduate studies;

For occupational therapists without these qualifications entry may be possible through successful completion of a qualifying program designed specifically for individual applicants.

### Course outline

The course outline for the Graduate Certificate of Health Science (Occupational Therapy) is presented in Table 19.48.

Table 19.48: Graduate Certificate of Health Science (Occupational Therapy)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1544: full-time (1 semester) | | | |
| Course code 1545: part-time (2 semesters) | | | |
| Course code 1546: off-campus (2 semesters) | | | |
| Award total: 24 credit points | | | |
| **Full-time mode** | | | |
| 15G24A | | Choose 24 credit points from the relevant topics/electives[1] | 24 |
| 15P24A | | 8 Professional Practice topics (3 credit points each) | 24 |
| **Part-time mode** | | | |
| **Semester 1** | | | |
| 15P24A | | 4 Professional Practice topics (3 credit points each) | 12 |
| **Semester 2** | | | |
| 15G24A | | Choose 24 credit points from the relevant topics/electives[1] | 24 |
| 15P24A | | 4 Professional Practice topics (3 credit points each) | 12 |

**Note**

1. Topics in Theory see A under Master of Health Science (Occupational Therapy) by coursework. Topics in Research see B under Master of Health Science (Occupational Therapy) by coursework. Professional Practice topics see C under Master of Health Science (Occupational Therapy) by coursework. Faculty electives see chapter 21.

## ■ Master of Health Science (Occupational Therapy) Pass course

The Master of Health Science (Occupational Therapy) course is designed to provide study in occupational therapy and related topics appropriate for leadership roles in clinical practice.

Participants enrolled in this program may complete their studies with a specialist focus. A specialty requires that 50 percent of credit points are completed in an identified topic area. These topic areas are negotiated between the student and course coordinator with approval of the Head of School. The course has both coursework and inquiry project options for units of study. Students may seek to have work completed in the Master of Health Science (Occupational Therapy) credited against the requirements of professional doctorate (HScD) offered by the Faculty.

Candidates in the MHlthSc (OT) who have received 65 per cent Credit or better in all units of study and a 75 per cent Distinction or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation.

### Admission requirements

See Graduate Certificate of Health Science (Occupational Therapy).

### Course outline

The course outline for the Master of Health Science (Occupational Therapy) is presented in Table 19.49.

Table 19.49: Master of Health Science (Occupational Therapy) by Coursework

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1547: full-time, 1 year | | | |
| Course code 1548: part-time, 2 years | | | |
| Course code 1549: off-campus, 1–2 years | | | |
| Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **■ Year 1** | | | |
| 15G61A | | Topics in Theory | |
| 15G61B | | Topics in Research | |
| 15P36A | | Professional Practice Topics | |
| **Part-time mode** | | | |
| **■ Year 1** | | | |
| 15G61A | | Topics in Theory | |
| 15G61B | | Topics in Research | |
| 15P12B | | Professional Practice Topics | |
| **■ Year 2** | | | |
| 15P24A | | Professional Practice Topics | |

## ■ Master of Health Science (Occupational Therapy) Honours

The Master of Health Science (Occupational Therapy) Honours course is designed to provide study in occupational therapy and related topics appropriate for leadership roles in clinical practice.

Participants enrolled in this program may complete their studies with a specialist focus. A specialty requires that 50 percent of credit points are completed in an identified topic area. These topic areas are negotiated between the student and course coordinator with approval of the Head of School. The course has both coursework and inquiry project options for units of study. Students may seek to have work completed in the Master of Health Science (Occupational Therapy) credited against the requirements of professional doctorate (HScD) offered by the Faculty.

Candidates in the MHlthSc(OT) who have received 65 percent Credit or better in all units of study and a 75 percent Distinction

or better in at least two units of study may be invited to complete the additional honours requirement of a dissertation.

### Admission requirements

See Graduate Certificate of Health Science (Occupational Therapy).

### Course outline

The course outline for the Master of Health Science (Occupational Therapy) is presented in Table 19.49.1.

Table 19.49.1: Master of Health Science (Occupational Therapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1550: full-time, 1.5 years<br>Course code 1551: part-time, 2.5 years<br>Course code 1552: off-campus, 2.5 years<br>Award total: 60 credit points | | | |

### Full-time mode

**■ Year 1**

As per Pass course (see Table 19.49)

**■ Year 2**

| | | | |
|---|---|---|---|
| **OCCP 5136** | *15570* | Dissertation | 12 |

### Part-time mode (off-campus mode)

**■ Years 1 and 2**

As per Pass course (see Table 15.2)

**■ Year 3**

| | | | |
|---|---|---|---|
| **OCCP 5136** | *15570* | Dissertation | 12 |

# ■ Master of Health Science (Occupational Therapy) electives

The MHlthSc (OT) consists of three topic areas from which participants select specific units of study: Topics on Theory, Topics in Research and Professional Practice Topics. Participants are required to complete a minimum of 6 credit points from Topics in Theory and a minimum of 6 credit points from Topics in Research. Specific units of study contained in these topic areas are described below.

Topics in Theory: minimum 6 credit points
Topics in Research: minimum 6 credit points
Professional Practice Topics:

- Topics in Assessment
- Topics in Service Delivery
- Topics in Enhancing Human Occupation
- Inquiry Topics.

## MHlthSc(Occupational Therapy) electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| The offering of any one of these elective units of study will depend on sufficient student demand and staff availability. | | | |

### A. 15G61A Topics in Theory

**3 credit points each**

| | | | |
|---|---|---|---|
| **OCCP 5104** | *15538* | Understanding Health Science Theory | 3 |
| **OCCP 5105** | *15539* | Applied Theory 1 | 3 |
| **OCCP 5106** | *15540* | Applied Theory 2 | 3 |
| **OCCP 5107** | *15541* | Applied Theory: Paediatrics 1 | 3 |
| **OCCP 5108** | *15542* | Applied Theory: Paediatrics 2 | 3 |
| **OCCP 5146** | *15580* | Applied Theory of Occupations | 3 |
| **OCCP 5147** | *15581* | Applied Theory Neurology 1 | 3 |
| **OCCP 5148** | *15582* | Applied Theory Neurology 2 | 3 |
| **OCCP 5149** | *15583* | Applied Theory Occupational Rehab 1 | 3 |
| **OCCP 5150** | *15584* | Applied Theory Occupational Rehab 2 | 3 |
| **OCCP 5151** | *15585* | Applied Theory Mental Health 1 | 3 |

**6 credit points each**

| | | | |
|---|---|---|---|
| **OCCP 5053** | *15490* | Applied Theory Env. Mod | 6 |
| **OCCP 5142** | *15576* | Theory in Community Practice | 6 |

**Either 3 or 6 credit points each**

OOE61A: Existing Faculty and other electives

### B. 15G61B Topics in Research

**6 credit points each**

| | | | |
|---|---|---|---|
| **OCCP 5064** | *15501* | Single System Research Design | 6 |
| **OCCP 5068** | *15506* | Program Evaluation | 6 |

## MHlthSc(Occupational Therapy) electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **OCCP 5100** | *15449X* | Research and Inquiry in Practice | 6 |
| **OCCP 5145** | *15579* | Research Elective Independent Study | 6 |
| **OCCP 6008** | *15502* | Research Design and Methods | 6 |
| OOR61A: Existing Faculty and other research electives | | | |
| **12 credit points each** | | | |
| **OCCP 5136** | *15570* | Dissertation | 12 |
| OOR61A: Existing Faculty and other research electives | | | |

### C. 15G12A/15G12B/15G24B Professional Practice Topics

Professional Practice Topics are divided into four broad topic areas:

1. Topics in Assessment
2. Topics in Service Delivery
3. Topics in Enhancing Human Occupation
4. Inquiry Topics/Projects.

Participants are required to complete a minimum of 36 credit points from Professional Practice Topics but there are no minimum credit requirements from these four broad topic areas.

**■ 1. Topics in Assessment**

**3 credit points each**

| | | | |
|---|---|---|---|
| **OCCP 5109** | *15543* | Assessment Principles | 3 |
| **OCCP 5110** | *15544* | Measuring Occupation 1 | 3 |
| **OCCP 5111** | *15545* | Measuring Occupation 2 | 3 |
| **OCCP 5112** | *15546* | Measuring Occupation: Paediatrics 1 | 3 |
| **OCCP 5113** | *15547* | Measuring Occupation: Paediatrics 2 | 3 |
| **OCCP 5152** | *15586* | Measuring Occupation: Neurology 1 | 3 |
| **OCCP 5153** | *15587* | Measuring Occupation: Neurology 2 | 3 |
| **OCCP 5154** | *15588* | Measuring Occupation: Occ. Rehab 1 | 3 |
| **OCCP 5155** | *15589* | Measuring Occupation: Occ. Rehab 2 | 3 |
| **OCCP 5156** | *15590* | Measuring Occupation: Mental Health | 3 |
| OOE61A: Existing Faculty and other electives | | | |
| **6 credit points each** | | | |
| **OCCP 5051** | *15488X* | Measuring Occupation: Env. Mod | 6 |
| OOE61A: Existing Faculty and other electives | | | |

**■ 2. Topics in Service Delivery**

**3 credit points each**

| | | | |
|---|---|---|---|
| **OCCP 5114** | *15548* | Service Delivery Systems 1 | 3 |
| **OCCP 5115** | *15549* | Service Delivery Systems 2 | 3 |
| **OCCP 5120** | *15554* | Community-based Practice 1 | 3 |
| **OCCP 5121** | *15555* | Community-based Practice 2 | 3 |
| **OCCP 5140** | *15574* | Politics and Power in the Workplace | 3 |
| **6 credit points each** | | | |
| **OCCP 5033** | *15459* | Managing Occupational Therapy Services | 6 |
| **OCCP 5124** | *15558* | Health and Culture | 6 |
| **OCCP 5139** | *15572* | Gerontology Occupational Therapy | 6 |
| **OCCP 5141** | *15575* | Politics and Power in the Workplace | 6 |

**■ 3. Topics in Enhancing Human Occupation**

**3 credit points each**

| | | | |
|---|---|---|---|
| **OCCP 5116** | *15550* | Specialist Intervention 1 | 3 |
| **OCCP 5117** | *15551* | Specialist Intervention 2 | 3 |
| **OCCP 5118** | *15552* | Specialist Intervention: Paediatrics 1 | 3 |
| **OCCP 5125** | *15559* | Principles of Instruction | 3 |
| **OCCP 5126** | *15560* | Applied Systematic Instruction | 3 |
| **OCCP 5127** | *15561* | Enhancing Functional Reach | 3 |
| **OCCP 5128** | *15562* | Enhancing Hand Function | 3 |
| **OCCP 5129** | *15563* | Trunk & Body Positions for Function | 3 |
| **OCCP 5130** | *15564* | Inclusive Communities | 3 |
| **OCCP 5131** | *15565V* | Supporting Inclusion | 3 |
| **OCCP 5138** | *15573* | Specialised Seating | 3 |
| **OCCP 5157** | *15591* | Specialist Intervention: Paediatrics 2 | 3 |
| **OCCP 5158** | *15592* | Specialist Intervention: Paediatrics 3 | 3 |
| **OCCP 5159** | *15593* | Specialist Intervention: Neurology 1 | 3 |
| **OCCP 5160** | *15594* | Specialist Intervention: Neurology 2 | 3 |
| **OCCP 5161** | *15595* | Specialist Intervention: Neurology 3 | 3 |
| **OCCP 5162** | *15596* | Specialist Intervention: Occ. Rehab 1 | 3 |
| **OCCP 5163** | *15597* | Specialist Intervention: Occ. Rehab 2 | 3 |
| **OCCP 5164** | *15598* | Specialist Intervention: Mental Health 1 | 3 |
| **OCCP 5165** | *15599* | Specialist Intervention: Mental Health 2 | 3 |
| **6 credit points each** | | | |
| **BACH 5070** | *2552N* | Family and Caring in the Community | 6 |
| **OCCP 5043** | *15475* | Upper Limb Orthotic Systems | 6 |

### MHlthSc(Occupational Therapy) electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **OCCP 5054** | *15491* | Specialist Intervention: Env. Mod 1 | 6 |
| **OCCP 5055** | *15492* | Specialist Intervention: Env. Mod 2 | 6 |
| **OCCP 5122** | *15556* | Advanced Communication Techniques | 6 |
| **OCCP 5123** | *15557* | Occupations in the Therapeutic Process | 6 |
| **OCCP 5143** | *15577X* | Driving Assessment and Training A | 6 |
| **OCCP 5144** | *15578X* | Driving Assessment and Training B | 6 |
| **Either 3 or 6 credit points each** | | | |
| OOE61A: Faculty and other electives | | | |
| ■ **4. Inquiry Topics/Projects** | | | |
| **3 credit points each** | | | |
| **OCCP 5070** | *15508* | Selected Topic | 3 |
| **OCCP 5071** | *15509* | Selected Topic 2 | 3 |
| **OCCP 5137** | *15571* | Selected Topic: Paediatrics | 3 |
| **OCCP 5169** | *155A4* | Selected Topic: Neuro | 3 |
| **OCCP 5170** | *155A5* | Selected Topic: Occ Rehab. | 3 |
| **OCCP 5171** | *155A6* | Selected Topic: Mental Health | 3 |
| **6 credit points each** | | | |
| **OCCP 5133** | *15567* | Inquiry Topics 1 | 6 |
| **OCCP 5134** | *15568V* | Inquiry Topics 2 | 6 |
| **OCCP 5135** | *15569V* | Inquiry Topic Paediatrics 1 | 6 |
| **OCCP 5166** | *155A1* | Inquiry Topic Paediatrics 2 | 6 |
| **OCCP 5167** | *155A2* | Inquiry Topic Neurology 1 | 6 |
| **OCCP 5168** | *155A3* | Inquiry Topic Neurology 2 | 6 |
| **12 credit points each** | | | |
| **OCCP 5021** | *15444* | Inquiry Project 1 | 12 |
| **OCCP 5132** | *15566* | Inquiry Project 2 | 12 |

# ■ Master of Occupational Therapy

The Master of Occupational Therapy is an entry level or professional master's degree offered to applicants who have completed a relevant undergraduate degree. The course is designed to prepare graduates to work as occupational therapists with specific emphasis on the theoretical underpinnings of occupational therapy practice, management theory and practice, knowledge of the health system and health professional roles, and some evaluation/research skill development.

### Admission requirements

To qualify for admission applicants shall:

- Possess a relevant undergraduate degree (except a degree in occupational therapy) from an institution recognised by the University of Sydney. Relevance implies that at least 40 percent of the content of the applicant's undergraduate degree shall be relevant to the field of occupational therapy; and
- Have achieved at least a credit grade average in their undergraduate degree. For applicants whose undergraduate degree has less than 40 percent relevant content, entry may be possible through successful completion of undergraduate units in areas of relevance.

### Course outline

The Course Outline for the Master of Occupational Therapy is presented in Table 19.50.

### Table 19.50: Master of Occupational Therapy

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1534: full-time, 4 semesters<br>Award total: 96 credit points | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **OCCP 5074** | *15512* | Problem Identification 1 | 4 |
| **OCCP 5076** | *15514* | Activity Adaptation 1 | 3 |
| **OCCP 5078** | *15516* | OT Intervention 1 | 4 |
| **OCCP 5080** | *15518* | Evaluation and Research 1 | 3 |
| **OCCP 5082** | *15520* | Professional Management 1 | 3 |
| **OCCP 5084** | *15522* | Professional Presentation 1 | 3 |
| Elective 1 | | | |
| **Semester 2** | | | |
| **OCCP 5075** | *15513* | Problem Identification 2 | 4 |
| **OCCP 5077** | *15515* | Activity Adaptation 2 | 3 |
| **OCCP 5079** | *15517* | OT Intervention 2 | 4 |

### Table 19.50: Master of Occupational Therapy

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **OCCP 5081** | *15519* | Evaluation and Research 2 | 3 |
| **OCCP 5083** | *15521* | Professional Management 2 | 3 |
| **OCCP 5085** | *15523* | Professional Presentation 2 | 3 |
| Elective 2[1] | | | |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **OCCP 5086** | *15524* | Problem Identification in Practice 1 | 4 |
| **OCCP 5088** | *15526* | Activity Adaptation in Practice 1 | 2 |
| **OCCP 5090** | *15528* | OT Intervention in Practice 1 | 4 |
| **OCCP 5092** | *15530* | Evaluation and Research in Practice 1 | 4 |
| **OCCP 5094** | *15532* | Professional Management in Practice 1 | 3 |
| **OCCP 5096** | *15534* | Professional Presentation in Practice 1 | 3 |
| Elective 3[1] | | | |
| **Semester 2** | | | |
| **OCCP 5087** | *15525* | Problem Identification in Practice 2 | 4 |
| **OCCP 5089** | *15527* | Activity Adaptation in Practice 2 | 2 |
| **OCCP 5091** | *15529* | OT Intervention in Practice 2 | 4 |
| **OCCP 5093** | *15531* | Evaluation and Research in Practice 2 | 4 |
| **OCCP 5095** | *15533* | Professional Management in Practice 2 | 3 |
| **OCCP 5097** | *15535* | Professional Presentation in Practice 2 | 3 |
| Elective 4[1] | | | |
| Note<br>1. Students choose elective units of study from across the Faculty to the total value of 16 credit points. Electives may vary from 2 to 6 credit points each. These could include the following elective: | | | |
| **OCCP 5098** | *15536* | Elective Topic | 4 |

# ■ Master of Applied Science (Occupational Therapy) by Research

The Master of Applied Science (Occupational Therapy) by Research has an applied research thesis format supplemented with a set of enabling components. The course is designed to provide opportunity for advanced study, critical evaluation, and research in specific areas of occupational therapy. The course may be completed full-time or part-time.

### Admission requirements

- Possess an award of Bachelor of Applied Science (Occupational Therapy) from Cumberland College of Health Sciences or The University of Sydney; or
- Possess an award of Bachelor of Applied Science (Hons) in Occupational Therapy from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from The University of New South Wales, and a Graduate Diploma in Occupational Therapy from Cumberland College of Health Sciences; or
- Possess an award of Master of Occupational Therapy from The University of Sydney; or
- Possess such qualifications as are deemed equivalent to (1), (2) or (3); or
- Submit such other evidence of general and/or professional qualifications as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies; and
- Occupational therapists without these qualifications may be admitted to candidature for the MAppSc(OT) by Research degree by first enrolling in the MHlthSc(OT) Pass course. Following completion of the equivalent of one semester of part-time enrolment, students may apply to transfer to candidature for the MAppSc(OT) by Research degree.

### Course outline

The Course Outline for the Master of Applied Science (Occupational Therapy) by Research is presented in Table 19.51.

Table 19.51: Master of Applied Science (Occupational Therapy) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|

Course code 1512: Special Program (for Master's Qualifying Students)
Course code 1518: full-time; minimum 1.5 years, maximum 2 years
Course code 1511: part-time; minimum 3 years, maximum 4 years
Course code 1536: part-time off-campus, minimum 3 years, maximum 4 years
Enabling units of study are normally required of all students enrolled in OCCP 6010 (15602A) Research Thesis A /OCCP 6011 (15602B) Research Thesis B. These enabling units provide the basis for students to undertake advanced study in specific areas of occupational therapy, and are negotiated with the candidate's supervisor.

**Full-time mode**

■ **Year 1 (and subsequent years)**

| | | |
|---|---|---|
| **OCCP 6010** | *15602A* | Research Thesis |
| **OCCP 6011** | *15602B* | Research Thesis |

**Part-time mode**

■ **Year 1 (and subsequent years)**

| | | |
|---|---|---|
| **OCCP 6010** | *15602A* | Research Thesis |
| **OCCP 6011** | *15602B* | Research Thesis |

# ■ Occupation and Leisure Sciences units of study

## MHlthSc(OT) and MAppSc(OT) units of study

### BACH 5070 **Family and Caring in the Community**

Old code 2552N. 6 credit points. Dr Rosemary Cant (02) 9351 9560. **Semester**: 2. **Classes**: On campus and off campus block mode. **Assessment**: Contribution to tutorials and group work and an individual final report.

This unit of study examines family and community care within the context of social, economic and political processes and structures. The social basis of community care is considered together with an analysis based on a systems approach to understanding family processes when caring work is extensive. The ecological approach locates these families within their social contexts. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are conductive to the provision of reliable and effective family community care? The nature of community and aspects of Australian community studies relevant to issues of care are considered. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health area.

### OCCP 5021 **Inquiry Project 1**

Old code 15444. 12 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: 12,000 words written work.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit is to synthesise postgraduate learning into a substantive project. Students conduct and write up their project under supervision.

### OCCP 5033 **Managing Occupational Therapy Services**

Old code 15459. 6 credit points. Mr Philip Chan (02) 9351 9202. **Semester**: 1, 2. **Assessment**: Continuous assessment.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit provides students with opportunity to analyze theories of organizational power distribution and decision-making, and to review current managerial theories and techniques which can be applied to the planning, organizing, staffing, leading and assuring quality of occupational therapy services. There will be mini-lectures given by the lecturer at the beginning and conclusion of this unit. Students are required to conduct seminars on chosen topics, and to lead discussion afterwards to relate theory to relevant managerial practice.

### OCCP 5043 **Upper Limb Orthotic Systems**

Old code 15475. 6 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On campus block-mode x 3 days plus 2 days. **Prerequisite**: Undergraduate Occupational Therapy Degree and access to relevant clients. **Assessment**: Assignment.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study explores the use of upper limb orthotic systems to improve the performance of occupational tasks by people whose occupational performance has been compromised. Students will examine the biomechanics of the upper limb and the pathomechanics. Principles of orthotic design and fabrication will be examined relative to upper limb problems found in people with acquired brain injury or developmental disability. Students will learn to design, fabricate and evaluate orthotic systems, including thermoplastic devices, soft splints and inhibitory casts, to promote the occupational performance of people for whom they are currently providing occupational therapy services. Learning experiences include seminars, problem solving around case studies, videotape analysis of occupational performance problems and analysis of orthotic systems designed by students.

### OCCP 5051 **Measuring Occupation: Env. Mod**

Old code 15488X. 6 credit points. Ms Catherine Bridge (02) 9351 9376. **Semester**: 1, 2.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study examines formal and informal tools that have been developed to evaluate the impact of the built environment for persons with disabilities. These tools include checklists and post occupancy evaluation protocols. In addition students will develop skill in correct use and practice with retractable measures, builders levels, stud finders, light meters, and load measures. This will be achieved through practice utilising tools during tutorial sessions as well as practice utilising tools to evaluate buildings within their community. Students will examine the theoretical base, underlying assumptions, strengths, limitations and suitability for use in assessing the built environment. Learning experiences include seminars, tutorials, and videotaped analysis of students using tools.

### OCCP 5053 **Applied Theory Env. Mod**

Old code 15490. 6 credit points. Ms Catherine Bridge (02) 9351 9376. **Semester**: 1, 2.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study examines the expertise that can be acquired via application and interpretation of regulatory standards. Material to be covered will include general principles for design of buildings to enhance access and mobility. Design standards will be examined in relation to their history, assumptions, applicability and research base. Material from America and England will be compared to the Australians Standards 1428 parts 1, 2, 3 and 4. Students will critically evaluate the appropriate application of standards in eliminating access barriers. Learning experiences include seminars, and will include problem solving around client cases.

### OCCP 5054 **Specialist Intervention: Env. Mod 1**

Old code 15491. 6 credit points. Ms Catherine Bridge (02) 9351 9376. **Semester**: 1, 2.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study explores uniform building terminology and how to decode and package information to facilitate the understanding of the various stakeholders involved. Various models of communication will be explored with emphasis on how to work with others and how to put together building specifications in terms of timing and level of detail. Students will learn what is necessary in terms of informed consent, product liability and legal report writing. Students will explore types of documentation and then audit environmental modification reports within their workplace in terms of best practice. Learning experiences include seminars, problem solving around client cases, videotape analysis of communication sessions and audits of environmental modification reports.

### OCCP 5055 **Specialist Intervention: Env. Mod 2**

Old code 15492. 6 credit points. Ms Catherine Bridge (02) 9351 9376. **Semester**: 1, 2.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study focuses on occupational therapy skills in representing changes to the built environment using drawing techniques. Students will examine various computer aided drafting (CAD) packages which can be used to simplify and facilitate representation of problems and potential solutions in building design. Students will learn how to critically select and operate CAD software to produce appropriate plan drawings and front and side elevations. Learning experiences include tutorials, case presentations and problem solving tutorials using CAD software.

### OCCP 5064 **Single System Research Design**

Old code 15501. 6 credit points. Dr Chris Chapparo (02) 9351 9206. **Semester**: 1, 2. **Assessment**: Continuous.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit is to explore the application of systematic research and evaluation methods through single system design. Students will have the opportunity to design a single system project which is appropriate to their work setting. In doing this, the following will be covered: comparison of traditional and single system research methods; measurement and recording procedures associated with single system designs; basic and advanced designs for single systems evaluation and research; and visual and statistical analysis of single system data.

### OCCP 5068 **Program Evaluation**

Old code 15506. 6 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: On-campus Block mode. **Assessment**: Continuous assessment.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit is designed to introduce participants to many of the issues and practices in evaluation of occupational therapy programs. The context will focus on exploration of issues in occupational therapy program evaluation; developing evaluation questions and design that are realistic within an occupational therapy work environment; examining and critiquing program evaluations that have been completed; application of program evaluation principles to various occupational therapy work environments and development of an evaluation proposal that is based on the evaluation needs of participants.

### OCCP 5070 **Selected Topic**

Old code 15508. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

### OCCP 5071 **Selected Topic 2**

Old code 15509. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in an identified area of practice. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

### OCCP 5100 **Research and Inquiry in Practice**

Old code 15449X. 6 credit points. Dr Maureen Fitzgerald (02) 9351 9216. **Semester**: 1, 2. **Classes**: Off-campus mode and on campus 2 hours/ week. Web supported group discussion Group work. **Assessment**: Assignments.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit is for students to investigate issues in applied research and evaluation in professional practice. The unit addresses historical and contemporary perspectives on research; common problems for research, inquiry, and evaluation in clinical and other settings; and evaluation and research knowledge and procedures appropriate for professional practice.

*Textbooks*

Research Issues in Professional Practice, Fitzgerald, M.H. (2000) www.ot.cchs.usyd.edu.au/library/teaching/index.htm

### OCCP 5104 **Understanding Health Science Theory**

Old code 15538. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: On campus and enternal/distance mode. **Assessment**: Assignment.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit of study is for students to investigate theoretical and practice issues that impact on knowledge development and practice in the health professions. Epistemological orientation to practice, conceptual and theoretical structures, and framework for theory description, analysis, and critique will be explored. The student will develop an enhanced understanding of theory as a framework for practice and research and will develop an enhanced ability to critically appraise theoretical frameworks and conceptual models relevant to the health sciences/professions.

### OCCP 5105 **Applied Theory 1**

Old code 15539. 3 credit points. Mr Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5106 **Applied Theory 2**

Old code 15540. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5107 **Applied Theory: Paediatrics 1**

Old code 15541. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. Contact the school for further details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model used in Paediatric Occupational Therapy and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5108 **Applied Theory: Paediatrics 2**

Old code 15542. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model and used in Paediatrics Occupational Therapy and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5109 **Assessment Principles**

Old code 15543. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study explores the general principles governing the use of informal and formal assessment methods used in the health sciences. Discussion topics will include norm-referenced versus criterion referenced instruments, instrument development, validity, reliability, instrument selection, use of instruments for clinical and research purposes.

*Textbooks*

List of core references available

### OCCP 5110 **Measuring Occupation 1**

Old code 15544. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5111 **Measuring Occupation 2**

Old code 15545. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will choose one mode of assessment and study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5112 **Measuring Occupation: Paediatrics 1**

Old code 15546. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with a mode of assessment used in paediatrics. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5113 **Measuring Occupation: Paediatrics 2**

Old code 15547. 3 credit points. Ms Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with mode of assessment used in paediatrics. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5114 **Service Delivery Systems 1**

Old code 15548. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This module of study will give students the opportunity to explore how the structure and function of various institutional and community service delivery systems impact on the nature of occupational therapy practice. Specifically, sociopolitical, physical and historical dimensions of service delivery systems that currently utilise occupational therapy will be examined and related to the types of occupational therapy services that have evolved, including direct intervention, consultation, transdisciplinary and multidisciplinary team intervention, advocacy and education. Although this module focuses on occupational therapy in various service delivery systems, students from other disciplines will find this topic relevant.

*Textbooks*

List of core references available

### OCCP 5115 **Service Delivery Systems 2**

Old code 15549. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This module of study will give students the opportunity to explore how the structure and function of various institutional and community service delivery systems impact on the nature of occupational therapy practice. Specifically, sociopolitical, physical and historical dimensions of service delivery systems that currently utilise occupational therapy will be examined and related to the types of occupational therapy services that have evolved, including direct intervention, consultation, transdisciplinary and multidisciplinary team intervention, advocacy and education. Although this module focuses on occupational therapy in various service delivery systems, students from other disciplines will find this topic relevant.

*Textbooks*

List of core references available

### OCCP 5116 **Specialist Intervention 1**

Old code 15550. 3 credit points. Ms Judy Ranka (O2) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5117 **Specialist Intervention 2**

Old code 15551. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5118 **Specialist Intervention: Paediatrics 1**

Old code 15552. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in paediatrics. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*
List of core references available

### OCCP 5120 **Community-based Practice 1**
Old code 15554. 3 credit points. Ms Robyn Twible (02) 9351 9214. **Semester**: 1, 2.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
Students will have the opportunity to apply theory to practice with specific emphasis on issues relevant to a community(ies) in a developed country or to the context of their specific work settings. Students will gain an awareness and understanding of the culture and traditions of community as well as the primary issues identified by the community members in a developed country or within their specific work setting.

### OCCP 5121 **Community-based Practice 2**
Old code 15555. 3 credit points. Ms Robyn Twible (02) 9351 9214. **Semester**: 1, 2.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
Students will have the opportunity to apply theory to practice with specific emphasis on issues relevant to a community(ies) in a developed country or to the context of their specific work settings. Students will gain an awareness and understanding of the culture and traditions of community as well as the primary issues identified by the community members in a developed country or within their specific work setting.

### OCCP 5122 **Advanced Communication Techniques**
Old code 15556. 6 credit points. Mr Philip Chan (02) 9351 9202. **Semester**: 1. **Assessment**: Continuous assessment.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
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, neurolinguistic, and summarizing techniques will be addressed, with specific reference to their application in enhancing cognitive, intra- and inter-personal components of performance. Experiential learning, learner participation and groupwork are essential modes of learning in this unit

### OCCP 5123 **Occupations in the Therapeutic Process**
Old code 15557. 6 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: On-campus, flexible mode. **Assessment**: Assignment.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
The purpose of this unit of study is to explore, understand, and apply a theory of practice called 'Grounded Theory of Techniques for Occupational Story Telling and Occupational Story Making' as developed by Clark, Ennevor, & Richardson (1996). These techniques will allow students to explore the process of realizing their conceptions of humans as occupational beings and to examine the role of occupations in the transformation of the self and developing peoples' occupational competence. A background on basic counselling skills is essential. Case studies and client narratives will be used.

### OCCP 5124 **Health and Culture**
Old code 15558. 6 credit points. Dr Maureen Fitzgerald (02) 9351 9216. **Semester**: 1, 2. **Classes**: On-campus seminars (7 weeks), workshop (2 days). **Assessment**: Research Essay.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
This unit provides an integrated approach to understanding health-related behaviours by synthesizing anthropological knowledge and methodology, and the interactions of culture, biology, psychology and environment. The unit explores a range of issues in international and multi-cultural health from an anthropological perspective. Methodological approaches include ethnography and other anthropological data collection methods. The issues covered include such things as: cultural influences on health, illness and healing (traditional beliefs and systems, gender, cultural change and the impact of 'modernization'); and illness and healing (disease and illness patterns, mental illness and culture, attitudes towards the use of medications, provision of culturally sensitive and appropriate services). The format will be candidate led and tutor guided seminar discussions focused on key readings in the field. Assessment is an essay that explores a health, illness, or disease issue using a profession based approach that draws on the anthropological or cultural literature.

### OCCP 5125 **Principles of Instruction**
Old code 15559. 3 credit points. Ms Michelle Donelly (02) 9351 9208. **Semester**: 1, 2. **Classes**: 2 days of seminars and workshops 9:00am to 4:30pm. **Prerequisite**: This unit is a prerequisite for Applied Systematic Instruction OCCP 5126 (15560). **Assessment**: 3000 plan for instruction.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
This subject allows participants to design and implement instructional programs which address the fundamental functional learning needs of people with whom they work using advanced instructional technology. Participants will assess functional learning needs in order to develop and apply individually tailored instructional strategies relevant to functional performance contexts with complementary data based evaluation tools. Learning experiences will include analysis of the complexity of functional needs and instructional scenarios using videotaped applications of instructional technology.

### OCCP 5126 **Applied Systematic Instruction**
Old code 15560. 3 credit points. Ms Michelle Donelly (02) 9351 9208. **Semester**: 1, 2. **Classes**: By negotiation. **Prerequisite**: Principles of Instruction OCCP 5125 (15559). **Assessment**: 3000 word report.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
Participants will design, implement and evaluate specific learning programs that address the functional learning needs of clients in their chosen areas of practice.

### OCCP 5127 **Enhancing Functional Reach**
Old code 15561. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible learning. **Prerequisite**: Undergraduate Occupational Therapy degree. **Assessment**: Assignment.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose reach is compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for reach. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional methods that enable adults or children to perform the reach patterns required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

### OCCP 5128 **Enhancing Hand Function**
Old code 15562. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible learning. **Prerequisite**: Undergraduate Occupational Therapy degree. **Assessment**: Assignment.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose grasp and release has been compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for grasp and releasing objects. Students will select one specific physical guidance model and develop skill in the associated therapeutic instructional method to enable adults or children to perform grasping and releasing patterns that are required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physician guidance.

### OCCP 5129 **Trunk & Body Positions for Function**
Old code 15563. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Prerequisite**: Undergraduate Occupational Therapy degree. **Assessment**: Assignment.
*NB: units of study on offer vary from year to year. Check OLS Web site for details.*
This module examines the use of various physical guidance models to improve performance of occupational tasks by people whose ability to assume and maintain upright body positions has been compromised by neurological or developmental disorder. Each model will be examined relative to its theoretical base, assumptions and application to the specific therapeutic instruction for functional body positioning. Students will select

one specific physical guidance model and develop skill in the associated therapeutic instructional method to enable adults or children to assume and maintain upright functional positions that are required by their occupational performance. This module is open to graduate occupational therapists only. Learning experiences include seminars, problem solving around case studies, and videotape analysis of students' skill in their chosen model of physical guidance.

### OCCP 5130 **Inclusive Communities**

Old code 15564. 3 credit points. Ms Michelle Donelly (02) 9351 9208. **Semester**: 1, 2. **Classes**: 2 days of seminars and workshops 9:00am to 4:30pm. **Assessment**: 3000 word written report.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

In this unit participants will identify and analyse the philosophies, principles and practices which underpin functional performance in the inclusive community. This analysis will include an examination of the fundamental functional needs of people requiring support. Existing approaches to the provision of support services will be critically analysed in order to identify the extent to which identified fundamental needs are met. These topics will include the needs of people who are judged by others to have so-called 'high support needs' for a variety of reasons. Learning experiences will include experiential learning exercises, analysis of videotaped and audio-taped records of people receiving support. This unit is a prerequisite for OCCP 5131 (15565).

### OCCP 5131 **Supporting Inclusion**

Old code 15565\t. 3 credit points. Ms Michelle Donelly (02) 9351 9208. **Semester**: 1, 2. **Classes**: By negotiation. **Assumed knowledge**: This unit is a prerequisite for OCCP 5130 (15564). **Prerequisite**: Inclusive communities OCCP 5130 (15564). **Assessment**: 3000 word report.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

In this subject participants will identify and understand the functional support needs of people in order to design, develop and evaluate individually tailored supports in each aspect of daily living. Individualised support mechanisms relevant for promoting interdependent participation at school, at home, at work and other aspects of community life will be critically analysed. Analysis will include the impact of supports on promoting associational life, what is signified by the concept of community, safeguards and protective schemas and conflicting and parallel paradigms associated with the inclusive community. Topics will include but not be limited to a range of inclusive models of service deliver, transdisciplinary teams, family focused intervention, supported living and supported work. Learning experiences will include seminars, experiential learning exercises, evaluations of videotaped material.

### OCCP 5132 **Inquiry Project 2**

Old code 15566. 12 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: 12,000 words written work.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit is to synthesise postgraduate learning into a substantive project. Students conduct and write up their project under supervision. Supervision arrangements are to be made with a member of the Occupational Therapy School staff.

### OCCP 5133 **Inquiry Topics 1**

Old code 15567. 6 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/Off campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

### OCCP 5134 **Inquiry Topics 2**

Old code 15568\t. 6 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

**Practical**: Depends on nature of topic

*Textbooks*

List of core references available

### OCCP 5135 **Inquiry Topic Paediatrics 1**

Old code 15569\t. 6 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

**Practical**: Depends on nature of topic

*Textbooks*

List of core references available

### OCCP 5136 **Dissertation**

Old code 15570. 12 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus. **Prohibition**: Normally student doing dissertation has already completed 48 credit points. **Assessment**: 12,000 words dissertation.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The honours dissertation is an extra 12 credit points unit of study in addition to the 48 credit points required to complete the Master of Health Science (Occupational Therapy) course. It is recommended that students who are qualified to do Honours and decided to do so should start developing their Literature Review within an Inquiry topic/Inquiry Project unit of study during the semester prior to the Honours semester which then leads on to the development of an Honours dissertation in the Honours year. It is stipulated in the School's master' coursework document that Honours Dissertation is 'an opportunity to understand an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem'.

### OCCP 5137 **Selected Topic: Paediatrics**

Old code 15571. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in paediatrics. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

### OCCP 5138 **Specialised Seating**

Old code 15573. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus mode with independent study. Web CT.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study will cover the knowledge and skills required by occupational therapists and others to prescribe, evaluate and modify equipment that promotes effective sitting positions. Students will integrate principles of ergonomics, biomechanics and design to determine appropriate wheelchair and other seating options for children and adults whose physical function is compromised by neurological and/or musculoskeletal impairments. Learning experience will include Web CT, block mode and independent study.

### OCCP 5139 **Gerontology Occupational Therapy**

Old code 15572. 6 credit points. Ms Lindy Clemson (02) 9351 9372. **Semester**: 1, 2.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This elective will provide an opportunity to explore some issues within the area of aging and gerontology and occupational therapy. Students will have the opportunity of developing a topic of interest within these broader areas. This elective will involve group presentations based around readings and an independent learning component. Students can research in small groups or individually. The purpose is to help students identify and explore issues in gerontology that impact on the health and well being of older people and how these issues can be applied in occupational therapy practice.

### OCCP 5140 **Politics and Power in the Workplace**

Old code 15574. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: Internet and distance delivery for all students. **Assessment**: Essay, reflective journal.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and shared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of work place settings will be considered. Students will undertake an independent guided reading program.

### OCCP 5141 **Politics and Power in the Workplace**

Old code 15575. 6 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: Internet and distance delivery for all students. **Assessment**: Essay, reflective journal plus report of a work place based project.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and shared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of work place settings will be considered. Students will undertake an independent guided reading program in greater depth than for the 3 credit point unit of study in addition to a workplace project negotiated with the lecturer.

### OCCP 5142 **Theory in Community Practice**

Old code 15576. 6 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: Flexible delivery supported by online and other resources. Available off-campus and off-shore. **Assessment**: Written paper- 3000 words (50%) (Linked to OBJ 6) synthesis theory, policy, population, specific discipline of student, promotion/communication contribution to online discussion on five modules responding to issues raised – 1800 words (30%), Reflections on and evidence of learning 1200 words (20%).

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit explores the theories and perspectives that underpin community practice in relation to community development and promotion of health and wellness and the implications for discipline specific theory and practice. Students will gain knowledge which will expand their understanding, involvement, and expertise in community practice.

### OCCP 5143 **Driving Assessment and Training A**

Old code 15577X. 6 credit points. Ms Lynn Kay (02) 9351 9331, Ms Anthea Rogers (02) 9351 9308. **Semester**: 1, 2. **Classes**: Flexible, off-campus mode in a block of 2 weeks full-time (9am to 5pm). **Prerequisite**: Qualified Occupational Therapist. **Assessment**: Participants must pass or receive a passing mark for all pieces of assessment. Students can apply to be given an opportunity to resubmit any pieces of work that are not of passing standard.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

These units of study are designed to provide the participant with the knowledge and skills necessary to complete comprehensive driving assessments and to design appropriate rehabilitation programs for clients with a variety of disabilities. Learning experiences include formal lectures, a variety of practicums (several with clients with disabilities), problem solving tutorials and student reading on: biomechanical, sensorimotor, cognitive and psychosocial aspects of driving, defensive driving techniques, road craft theory and application, vehicle prescription, modification prescription, off-road and on-road assessment methodology, design of driver rehabilitation programs, medico-legal issues and licensing policy and procedures. Successful completion of this course will qualify Occupational Therapists to be registered with the appropriate state licensing authorities as registered driving assessors. These units of study are open to occupational therapists with a preferred minimum of two years of clinicial experience and a current driver's licence.

*Textbooks*

list of references

### OCCP 5144 **Driving Assessment and Training B**

Old code 15578X. 6 credit points. Ms Lynn Kay (02) 9351 9331, Ms Anthea Rogers (02) 9351 9308. **Semester**: 1, 2. **Classes**: Flexible, off-campus mode in a block of 2 weeks full-time (9am to 5pm. **Prerequisite**: Qualified Occupational Therapist. **Assessment**: Participants must pass or receive a passing mark for all pieces of assessment. Students can apply to be given an opportunity to resubmit any pieces of work that are not of passing standard.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

These units of study are designed to provide the participant with the knowledge and skills necessary to complete comprehensive driving assessments and to design appropriate rehabilitation programs for clients with a variety of disabilities. Learning experiences include formal lectures, a variety of practicums (several with clients with disabilities), problem solving tutorials and student reading on: biomechanical, sensorimotor, cognitive and psychosocial aspects of driving, defensive driving techniques, road craft theory and application, vehicle prescription, modification prescription, off-road and on-road assessment methodology, design of driver rehabilitation programs, medico-legal issues and licensing policy and procedures. Successful completion of this course will qualify Occupational Therapists to be registered with the appropriate state licensing authorities as registered driving assessors. These units of study are open to occupational therapists with a preferred minimum of two years of clinicial experience and a current driver's licence.

*Textbooks*

list of references

### OCCP 5145 **Research Elective Independent Study**

Old code 15579. 6 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Assumed knowledge**: Designing Health Research, and Analysing Quantative Health and Social Research, and Analysing Qualitative Health and Social Science Research; or equivalent. **Assessment**: Assignment (6000 words) 100%.

*NB: For Occupation and Leisure Science graduate research students only*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

*Textbooks*

Course notes and readings provided dependent on the research methodology used.

### OCCP 5146 **Applied Theory of Occupations**

Old code 15580. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model of occupations and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5147 **Applied Theory Neurology 1**

Old code 15581. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model used in neurological occupational therapy and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5148 **Applied Theory Neurology 2**

Old code 15582. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model used in neurological occupational therapy and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5149 **Applied Theory Occupational Rehab 1**

Old code 15583. 3 credit points. Dr Eveline Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model used in occupational rehabilitation and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5150 **Applied Theory Occupational Rehab 2**

Old code 15584. 3 credit points. Dr Eveline Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model used in occupational rehabilitation and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5151 **Applied Theory Mental Health 1**

Old code 15585. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: Flexible mode. **Assessment**: Assignment, examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is for students to engage in an in-depth exploration of a particular theoretical framework or conceptual model used in mental health and examine its application and impact on research, practice, education, administration, and other relevant areas.

### OCCP 5152 **Measuring Occupation: Neurology 1**

Old code 15586. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with one mode of assessment used in neurological O.T. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5153 **Measuring Occupation: Neurology 2**

Old code 15587. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with one mode of assessment used in neurological O.T. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5154 **Measuring Occupation: Occ. Rehab 1**

Old code 15588. 3 credit points. Dr Eveline Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with one mode of assessment used in occupational rehabilitation. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5155 **Measuring Occupation: Occ. Rehab 2**

Old code 15589. 3 credit points. Dr Eveline Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with one mode of assessment used in occupational rehabilitation. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5156 **Measuring Occupation: Mental Health**

Old code 15590. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examinations.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

The purpose of this unit of study is to examine current instruments developed for use in various areas of occupational therapy practice. Students will be presented with one mode of assessment used in mental health. They will study its theoretical base, assumptions, development, strengths, limitations and suitability for use with clients. Students will develop skill in test mechanics and interpretation of results of the chosen assessment mode through practice and use within their workplace.

*Textbooks*

List of core references available

### OCCP 5157 **Specialist Intervention: Paediatrics 2**

Old code 15591. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in paediatrics. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5158 **Specialist Intervention: Paediatrics 3**

Old code 15592. 3 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in paediatrics. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5159 Specialist Intervention: Neurology 1

Old code 15593. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in neurology. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5160 Specialist Intervention: Neurology 2

Old code 15594. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in neurology. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5161 Specialist Intervention: Neurology 3

Old code 15595. 3 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in neurology. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5162 Specialist Intervention: Occ. Rehab 1

Old code 15596. 3 credit points. Dr Eveline Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in occupational rehabilitation. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5163 Specialist Intervention: Occ. Rehab 2

Old code 15597. 3 credit points. Dr Eveline Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in occupational rehabilitation. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5164 Specialist Intervention: Mental Health 1

Old code 15598. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in Mental Health. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5165 Specialist Intervention: Mental Health 2

Old code 15599. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: Flexible mode of delivery. **Assessment**: Assignments and/or examination.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study will provide the student with an opportunity to learn about a specific form of intervention used by occupational therapists working in Mental Health. Students will explore the theoretical foundation of the intervention, critique the available research evidence about this intervention, and develop skill in applying the techniques of this approach.

*Textbooks*

List of core references available

### OCCP 5166 Inquiry Topic Paediatrics 2

Old code 155A1. 6 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

**Practical**: Depends on nature of topic

*Textbooks*

List of core references available

### OCCP 5167 Inquiry Topic Neurology 1

Old code 155A2. 6 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

**Practical**: Depends on nature of topic

*Textbooks*

List of core references available

### OCCP 5168 Inquiry Topic Neurology 2

Old code 155A3. 6 credit points. Ms Judy Ranka (02) 9351 9207. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

These units of study provide the student with the opportunity to investigate an area relevant to theory, practice and professional interests in occupational therapy or related disciplines. The outcome of this inquiry topic is a comprehensive paper that may involve an extended literature analysis and critical review and exposition of a range of knowledge and practice issues.

**Practical**: Depends on nature of topic

*Textbooks*

List of core references available

### OCCP 5169 Selected Topic: Neuro

Old code 155A4. 3 credit points. Ms Judy Ranka (02) 9351 9206. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in neurology. The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser

who will consider enrolment in this unit of study on a case-by-case basis.

### OCCP 5170 **Selected Topic: Occ Rehab.**

Old code 155A5. 3 credit points. Dr Ev Innes (02) 9351 9209. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in occupational rehabilitation The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

### OCCP 5171 **Selected Topic: Mental Health**

Old code 155A6. 3 credit points. Ms Ruth Beltran (02) 9351 9295. **Semester**: 1, 2. **Classes**: On-campus/off-campus, flexible mode. **Assessment**: Assignments.

*NB: The focus of this unit may change from year to year. See School Web site for unit of study listings and additional details.*

This unit of study is designed to provide the student with the knowledge and skills necessary to upgrade or expand their clinical expertise in mental health The unit of study permits students to undertake approved courses of study off-campus. Enrolment in this unit of study will be contingent on the student being accepted for the course of study and meeting all costs, providing documentation on the course of study prior to enrolment so that the School can determine whether or not to approve such an enrolment and on the students documented completion of the course. This unit of study is coordinated by the graduate adviser who will consider enrolment in this unit of study on a case-by-case basis.

### OCCP 6008 **Research Design and Methods**

Old code 15502. 6 credit points. Dr Maureen Fitzgerald (02) 9351 9216. **Semester**: 1, 2. **Classes**: on-campus, Group discussion, Group work. **Assessment**: Assignments.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit is to explore a variety of research designs, research methods, and related issues appropriate to applied research. The exploration will be accomplished through student led seminar discussions of selected readings and each student will develop a research proposal on a topic of their choice. Content will include such things as: an overview of appropriate research designs, strengths and weaknesses of a broad selection of designs and methods, reliability and validity, selection of a study population, research ethics, development of research statements and questions, proposal writing, and the use of computers and other technology in research.

### OCCP 6010 **Research Thesis**

Old code 15602A. **Semester**: Full year.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

In this unit of study, students will investigate a specialised area of interest in occupational therapy under approved supervision. This unit involves regular supervision sessions and students are normally required to undertake a program of advanced study in the following topic areas as enabling components of the research thesis.

a) Topic in Theory
b) Topic in Research
c) Research electives. Elective units must include at least one research methodology elective and one or more research electives or units relevant to the content area of the thesis to a total of at least 12 credit points.

### OCCP 6011 **Research Thesis**

Old code 15602B. **Semester**: Full year.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

In this unit of study, students will investigate a specialised area of interest in occupational therapy under approved supervision. This unit involves regular supervision sessions and students are normally required to undertake a program of advanced study in the following topic areas as enabling components of the research thesis.

a) Topic in Theory
b) Topic in Research
c) Research electives. Elective units must include at least one research methodology elective and one or more research electives or units relevant to the content area of the thesis to a total of at least 12 credit points.

## MOT units of study

### OCCP 5074 **Problem Identification 1**

Old code 15512. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organisations and communities, with the focus being the consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments, and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

**Practical**: A three week fieldwork placement contributes to units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5075 **Problem Identification 2**

Old code 15513. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to identify client problems as the clients see them and from different theoretical perspectives. Students will acquire the skills necessary to interview clients, assess their abilities and limitations in performing the daily activities which are appropriate to client roles, determine the extent of the mismatch between what clients would like to do and what they can do. Students will learn to identify problems with a range of clients including individuals, families, small groups, organisations and communities, with the focus being the consumer (client) perspectives of problems. Students will learn to determine the appropriateness of, and select from a variety of assessment methods including interviews, clinical observation, standardised and non-standardised assessments, and environmental evaluations. They will learn to clearly articulate the conceptual foundation and rationale for their choices.

*Textbooks*

Not prescribed for unit of study

### OCCP 5076 **Activity Adaptation 1**

Old code 15514. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to analyse and adapt daily activities from different theoretical perspectives appropriate to client roles, including the biocognitive and psycho-socio-cultural factors which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

**Practical**: A three week fieldwork placement contributes to all units of sutdy in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5077 **Activity Adaptation 2**

Old code 15515. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to analyse and adapt daily activities from different theoretical perspectives appropriate to client roles, including the biocognitive and psycho-socio-cultural factors which underpin the ability to perform the activities. The students will also consider the client contexts and the impact these have on their roles and activity performance.

*Textbooks*

Not prescribed for unit of study

### OCCP 5078 **OT Intervention 1**

Old code 15516. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

**Practical**: A three week fieldwork placement contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5079 **OT Intervention 2**

Old code 15517. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to implement occupational therapy interventions from different theoretical perspectives and clearly articulate the rationale for their choices. This will include the processes of goal setting with clients, considering a range of interventions drawing on their ability to analyse and adapt activities, selecting an intervention based on client priorities, and implementing the intervention. A wide range of possible intervention strategies will be considered throughout the course including individual activities, group work, prescription of assistive devices and use of technology, modification of the environment and work practices, education and counselling.

*Textbooks*

Not prescribed for unit of study

### OCCP 5080 **Evaluation and Research 1**

Old code 15518. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: On campus. **Assessment**: Assignments.

This unit of study introduces students to the range of terms and concepts in the area of research such as outcome measures, evidence based practice, program evaluation and the research process. Students will develop a number of skills such as reading, critiquing and some general writing skills. They will look more closely at outcomes measures and how they fit into OT practice and will consider which outcomes would be most useful for the cases covered in this semester. The assignment will focus on outcome measures.

**Practical**: A three week fieldwork placement contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5081 **Evaluation and Research 2**

Old code 15519. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: On Campus. **Assessment**: Assignments.

This unit of study focuses on the use of the research process in program evaluation. Students will review the research process in more detail and how it can be applied to evaluate programs in practice. They will look at a range of program evaluation methods and consider how to evaluate programs for the types of cases covered during the semester. Students will design a program evaluation for one of the case types and write it up as a program evaluation proposal.

*Textbooks*

Not prescribed for unit of study

### OCCP 5082 **Professional Management 1**

Old code 15520. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to use a range of strategies to maximise their ability to manage and work competently within a variety of work contexts. Among other things students will critically explore the issues of ethical occupational therapy practice, self-management and management of an occupational therapy department, the broader political and social contexts in which they work including the team, the organisation and the health/welfare system. They will also build on their abilities related to university genetic attributes in this unit.

**Practical**: A three week fieldwork placement contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5083 **Professional Management 2**

Old code 15521. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will learn to use a range of strategies to maximise their ability to manage and work competently within a variety of work contexts. Among other things students will critically explore the issues of ethical occupational therapy practice, self-management and management of an occupational therapy department, the broader political and social contexts in which they work including the team, the organisation and the health/welfare system. They will also build on their abilities related to university genetic attributes in this unit.

*Textbooks*

Not prescribed for unit of study

### OCCP 5084 **Professional Presentation 1**

Old code 15522. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will explore many aspects of presenting both themselves and their ideas as members of the occupational therapy and broader professional community. Areas covered will include appropriate documentation of client outcomes, verbal and written presentation skills appropriate for presenting their ideas and work to their colleagues, clients, other health professionals and students. Emphasis will be placed on the ability to critically articulate the theoretical and practice rationale that underpins occupational therapy practice.

**Practical**: A three week fieldwork placement contributes to all untis of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5085 **Professional Presentation 2**

Old code 15523. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 3 hours/week on campus. **Assessment**: Assignments.

Students will explore many aspects of presenting both themselves and their ideas as members of the occupational therapy and broader professional community. Areas covered will include appropriate documentation of client outcomes, verbal and written presentation skills appropriate for presenting their ideas and work to their colleagues, clients, other health professionals and students. Emphasis will be placed on the ability to critically articulate the theoretical and practice rationale that underpins occupational therapy practice.

*Textbooks*

Not prescribed for unit of study

### OCCP 5086 **Problem Identification in Practice 1**

Old code 15524. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week for 6 weeks on campus. **Assessment**: Skills viva examination, assignments, performance in the field.

Students will continue to develop their skills in problem identification. Students will continue this development largely in fieldwork settings. Their case based learning will continue using problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

**Practical**: Performance in the field (6 weeks) contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5087 **Problem Identification in Practice 2**

Old code 15525. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 1 hour/week on campus. **Assessment**: Assignments, performance in the field, final examinations.

Students will continue to develop their skills in problem identification. Students will continue this Development largely in fieldwork settings. Their case based learning will continue using problems and issues reflected in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin problem identification in practice.

**Practical**: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2

*Textbooks*

Not prescribed for unit of study

### OCCP 5088 **Activity Adaptation in Practice 1**

Old code 15526. 2 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week for 6 weeks on campus. **Assessment**: Skills viva examination, assignments, performance in the field.

Students will apply their theoretical and practical knowledge of activity analysis and adaption in the fieldwork setting. Students will be applying what they have learnt during the first year of this unit in to other units and in to their occupational therapy assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

**Practical**: Performance in the field (6 weeks) contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5089 **Activity Adaptation in Practice 2**

Old code 15527. 2 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 1 hour/week on campus. **Assessment**: Assignments, performance in the field, final examinations.

Students will apply their theoretical and practical knowledge of activity analysis and adaption in the fieldwork setting. Students will be applying what they have learnt during the first year of this unit in to other units and in to their occupational therapy assessment tasks used in the fieldwork setting. Emphasis will be placed on exploring conceptual issues which underpin practice in activity analysis and adaption.

**Practical**: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2

*Textbooks*

Not prescribed for unit of study

### OCCP 5090 **OT Intervention in Practice 1**

Old code 15528. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 3 hours/week for 6 weeks on campus. **Assessment**: Skills viva examination, assignments, performance in the field.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

**Practical**: Performance in the field (6 weeks) contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5091 **OT Intervention in Practice 2**

Old code 15529. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 1 hour/week on campus. **Assessment**: Assignments, performance in the field, final examinations.

Students will continue to develop their theory base and skills in occupational therapy intervention. They will continue this development largely in fieldwork settings using care based learning, problems and issues which arise in the fieldwork setting. The emphasis for this unit will be the conceptual issues which underpin occupational therapy practice as well as implementation of practice.

**Practical**: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2

*Textbooks*

Not prescribed for unit of study

### OCCP 5092 **Evaluation and Research in Practice 1**

Old code 15530. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: Independent learning. **Assessment**: Assignment, performance in the field.

This unit of study focuses on evidence based practice. Students will explore in more detail what this term means and how it is being applied for occupational therapists and others in the health field. Students will gather evidence for an aspect of OT practice they experience in their fieldwork and this will be the focus of the assignment in this semester.

**Practical**: Performance in the field (6 weeks) contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5093 **Evaluation and Research in Practice 2**

Old code 15531. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: Independent learning. **Assessment**: Assignments, performance in the field.

Students will either design or conduct an evaluation or piece of research in the field during their fieldwork placement. Whether you actually collect the data and write up the results or fully develop a detailed proposal based on the fieldwork placement will be determined by the nature of the placement and what is appropriate in the setting. This is an opportunity to apply what they have learnt previously in the MOT about research and its use in program evaluation to an actual program and client group.

**Practical**: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2

*Textbooks*

Not prescribed for unit of study

### OCCP 5094 **Professional Management in Practice 1**

Old code 15532. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 2 hours/week for 6 weeks on campus. **Assessment**: Assignments, performance in the field.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

**Practical**: Performance in the field (6 weeks) contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5095 **Professional Management in Practice 2**

Old code 15533. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 1 hour/week on campus. **Assessment**: Assignment, performance in the field.

Students will continue to develop their theory base and skills in professional management, with fieldwork providing practice opportunities to build on first year in this unit. Their case based learning will continue using theoretical analysis of problems which arise in the fieldwork setting, with a focus on the caseload, the health care team and the organisational context.

**Practical**: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2

*Textbooks*

Not prescribed for unit of study

### OCCP 5096 **Professional Presentation in Practice 1**

Old code 15534. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1. **Classes**: 2 hours/week on campus. **Assessment**: Assignments, performance in the field.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

**Practical**: Performance in the field (6 weeks) contributes to all units of study in semester 1

*Textbooks*

Not prescribed for unit of study

### OCCP 5097 **Professional Presentation in Practice 2**

Old code 15535. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: 1 hour/week on campus. **Assessment**: Assignments, performance in the field.

Students will continue to develop their professional presentation skills and apply them in fieldwork settings. They will be supported to prepare and present the results of their evaluation project in professional forums.

**Practical**: Performance in the field (16 weeks including inter-semester recess) contributes to all units of study in semester 2

*Textbooks*

Not prescribed for unit of study

### OCCP 5098 **Elective Topic**

Old code 15536. 4 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 1, 2. **Classes**: Depends on individual learning contract. **Assessment**: Assignments.

For some students an elective topic will be developed specifically for them in consultation with an academic adviser. This will take the form of individual learning contract.

# School of Physiotherapy

Enquiries regarding postgraduate courses should be directed to the following:
- Academic Program Administrator: Mr Chamreun Cheen, (02) 9351 9378
- Postgraduate Coursework Programs Coordinator: Dr Jenny Alison (02) 9351 9371
- Research Masters Program and PhD Program Coordinator: Professor Joy Higgs, (02) 9351 9070, Dr Robert Herbert, (02) 9351 9380.
- Graduate Physiotherapy Program Coordinator: Dr Jane Latimer, (02) 9351 9191

Enquiries regarding undergraduate courses should be directed to the following:
- Academic Program Administrator: Mr Chamreun Cheen, (02) 9351 9378
- Undergraduate and Honours Programs Coordinator: Dr Sharon Kilbreath, (02) 9351 9272

## ■ Master of Physiotherapy (Graduate Physiotherapy program)

Course coordinator: Dr Jane Latimer (02) 9351 9191

### Course Aims

The principal aims of the course are to:
- Produce a body of graduates with the academic and clinical skills to be registered as beginning practitioner physiotherapists in NSW; and
- Encourage the undertaking of research within the profession.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:
(i) Possess an award of Bachelor of Applied Science (Exercise and Sport Science) from The University of Sydney; or
(ii) Possess an award of Bachelor of Exercise Science from the University of Wollongong; or
(iii) Possess an award of Bachelor of Science (Health and Sports Science) from the University of NSW, which includes completion of the elective 'Brain Mechanisms in Sensory Motor Integration';
(iv) Possess such studies as are deemed to be equivalent to (i), (ii) and/or (iii).

To enter this course, the applicant shall normally have at least a credit grade average in their undergraduate degree.
The selection process will involve a review of the applicant's ability to meet the admission requirements. In addition, applicants will need to have demonstrated adequate background knowledge of their career selection. Where more applicants exist than number of places available, admission will be granted on the basis of merit, including GPA.

### Course outlines

This course enables students with selected previous degrees to undertake study in physiotherapy taking into account their previous knowledge and skills. This course will require the completion of 96 credit points. The course is structured around four academic blocks (Semester 1 = orientation week + 13 weeks, Semester 2 = 8 weeks, Semester 3 = 12 weeks, Semester 4 = 5 weeks) and five clinical blocks (one 4-week block and four 5-week blocks).

The course outlines for the Graduate Physiotherapy Program are presented in Table 19.52.

Table 19.52: Master of Physiotherapy

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1684: full-time, 2 years<br>Award total: 96 credit points | | | |
| **■ Year 1** | | | |
| **Full Year units of study** | | | |
| **PHTY 5140** | *16569* | Musculoskeletal Physiotherapy M1 | 11 |
| **PHTY 5141** | *16570* | Cardiopulmonary Physiotherapy M1 | 4 |
| **Semester 1** | | | |
| **BIOS 5054** | *11519* | Functional Musculoskeletal Anatomy M | 4 |
| **PHTY 5139** | *16568* | Electrophysical Agents M | 8 |
| **Semester 2** | | | |
| **BIOS 5055** | *11520* | Neurosciences for Physiotherapists M | 3 |
| **PHTY 5142** | *16571* | Ethical Physiotherapy Practice M | 2 |
| **PHTY 5162** | *16591X* | Management of Physiotherapy Practice | 3 |
| **PHTY 5144** | *16573* | Clinical Education M1A | 6 |
| **PHTY 5145** | *16574* | Clinical Education M1B | 7 |
| **■ Year 2** | | | |
| **Full Year units of study** | | | |
| **PHTY 5147** | *16576* | Musculoskeletal Physiotherapy M2 | 6 |
| **PHTY 5148** | *16577* | Neurological Physiotherapy M | 5 |
| **PHTY 5149** | *16578* | Paediatric Physiotherapy M | 3 |
| **PHTY 5150** | *16579* | Community & Occupational Physio M | 5 |
| **PHTY 5151**[1] | *16580* | Research Project Support M2 | 4 |
| **Semester 1** | | | |
| **PHTY 5146** | *16575* | Cardiopulmonary Physiotherapy M2 | 2 |
| **PHTY 5160**[2] | *16589* | Physiotherapy Research A | 2 |
| **PHTY 5152** | *16581* | Clinical Education M2A | 7 |
| **Semester 2** | | | |
| **BACH 5325** | *2559W* | Society, Health and Behaviour Change M | 2 |
| **PHTY 5161**[2] | *16590* | Physiotherapy Research B | 2 |
| **PHTY 5153** | *16582* | Clinical Education M2B | 7 |
| **PHTY 5154** | *16583* | Clinical Education M2C | 7 |

**■ Notes**
1. Last offered in 2004.
2. First offered in 2005.

## Master of Health Science – Physiotherapy coursework programs

The Master of Health Science (Cardiopulmonary Physiotherapy), Master of Health Science (Neurological Physiotherapy), Master of Health Science (Paediatric Physiotherapy) and Master of Health Science (Physiotherapy) are offered by flexible delivery mode. In addition, three units of study within the Master of Health Science (Manipulative Physiotherapy) and the Master of Health Science (Sports Physiotherapy) are offered in flexible delivery mode.

### Flexible delivery mode

Flexible delivery mode implies a different mode of delivery of course material from the usual on-campus attendance once or twice a week for an entire semester. Flexible delivery mode could include:
- Block mode on-campus delivery: This will comprise 2–4 days of face-to-face teaching on-campus once or twice a semester with work completed by the student between blocks of teaching. Often the teaching block will be scheduled over a weekend.
- Web/online delivery: Course material and interaction between students and lecturers will be via the web.
- Text-based delivery: Students will be provided with course material and worksheets in text form. Contact with lecturers and other students will be via email or chat/discussion rooms.
- Structured independent learning: Students will carry out independent research of the literature on an agreed topic while supervised by a lecturer.

Units of study offered by flexible delivery mode will be designated by an 'X' in the old code – eg, 'PHTY 5121 (16552X) Cardiopulmonary Physiotherapy A'. Please contact the appropriated course coordinator for further information regarding the mode of delivery of units of study within any

particular coursework program or visit the Web site, www.fhs.usyd.edu.au.

### Credit transfer

Credit transfer follows the existing Faculty policy as outlined in the Faculty of Health Sciences Handbook.

## ■ Master of Health Science (Cardiopulmonary Physiotherapy)

Course Coordinator: Dr Jenny Alison (02) 9351 9371

### Course aims

The principal aims of the course are to:
- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of cardiopulmonary physiotherapy; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards titled membership as a cardiopulmonary physiotherapist within the Australian Physiotherapy Association.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:
- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in cardiopulmonary physiotherapy and demonstrate continuing education within the field of cardiopulmonary physiotherapy.

### Course outlines

This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Cardiopulmonary Physiotherapy) course are presented in Table 19.53 and 19.53.1.

Table 19.53: Master of Health Science (Cardiopulmonary Physiotherapy) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1661: full-time, 1 year<br>Course code 16A1: off-campus (FT/PT), 1–2 years<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5120** | *16551X* | Clinical Cardiopulmonary Physiotherapy A | 6 |
| Elective (List A) | | | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5121** | *16552X* | Cardiopulmonary Physiotherapy A | 6 |
| **PHTY 5123** | *16554X* | Clinical Cardiopulmonary Physiotherapy B | 6 |
| Elective (List B) | | | 6 |
| **Off-campus mode** | | | |
| **■ Year 1** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5121** | *16552X* | Cardiopulmonary Physiotherapy A | 6 |
| **■ Year 2** | | | |
| **Semester 1** | | | |
| **PHTY 5120** | *16551X* | Clinical Cardiopulmonary Physiotherapy A | 6 |
| Elective (List A) | | | 6 |
| **Semester 2** | | | |
| **PHTY 5123** | *16554X* | Clinical Cardiopulmonary Physiotherapy B | 6 |
| Elective (List B) | | | 6 |

MHlthSc(Cardiopulmonary Physiotherapy) electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **■ List A** | | | |
| **Semester 1 (6 credit points)** | | | |
| **PHTY 5119** | *16550X* | Topics in Cardiopulmonary Physiotherapy | 6 |
| **PHTY 5159** | *16588X* | Structuring & Managing Clinical Education Placements | 6 |
| Approved Faculty or other cardiopulmonary elective | | | |
| **■ List B** | | | |
| **Semester 2 (6 credit points)** | | | |
| **PHTY 5122** | *16553X* | Cardiopulmonary Physiotherapy B | 6 |
| **PHTY 5163** | *16592X* | Physiotherapy Management in Pulmonary Rehabilitation | 6 |
| Approved Faculty or other cardiopulmonary elective | | | |

Table 19.53.1: Master of Health Science (Cardiopulmonary Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1663: full-time, 1 year 3 months<br>Course code 1664: off-campus, maximum 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| **■ Year 1** | | | |
| As per Pass course | | | |
| **■ Year 2 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |
| **Off-campus mode** | | | |
| **■ Year 1 and Year 2** | | | |
| As per Pass course | | | |
| **■ Year 3 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |

## ■ Master of Health Science (Manipulative Physiotherapy)

Course Coordinator: Dr Rob Boland (02) 9351 9156

### Course aims

The principal aims of the course are to:
- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of manipulative physiotherapy; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the Australian Physiotherapy Association title of 'Musculoskeletal Physiotherapist' and towards the clinical specialisation process of the Australian College of Physiotherapists.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in musculoskeletal physiotherapy and demonstrate continuing education within the field of manual therapy.

### Course outlines

This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Manipulative Physiotherapy) course are presented in Table 19.54 and 19.54.1.

Table 19.54: Master of Health Science (Manipulative Physiotherapy) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1657: full-time, 1 year<br>Course code 1658: part-time, 2 years<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5124** | *16555* | Advanced Musculoskeletal Disorders A | 6 |
| **PHTY 5125** | *16556* | Clinical Manipulative Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5126** | *16557* | Advanced Musculoskeletal Disorders B | 6 |
| **PHTY 5107** | *16538* | Advanced Complex Case Studies in Musculoskeletal Physiotherapy | 6 |
| **PHTY 5128** | *16559* | Clinical Manipulative Physiotherapy B | 6 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5124** | *16555* | Advanced Musculoskeletal Disorders A | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5126** | *16557* | Advanced Musculoskeletal Disorders B | 6 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5125** | *16556* | Clinical Manipulative Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5107** | *16538* | Advanced Complex Case Studies in Musculoskeletal Physiotherapy | 6 |
| **PHTY 5128** | *16559* | Clinical Manipulative Physiotherapy B | 6 |

Table 19.54.1 Master of Health Science (Manipulative Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1659: full-time, 1 year 3 months<br>Course code 1660: part-time, 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |

## ■ Master of Health Science (Neurological Physiotherapy)

Course Coordinator: Dr Sharon Kilbreath (02) 9351 9272

### Course aims

The principal aims of the course are to:

- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of neurological physiotherapy; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in neurological physiotherapy and demonstrate continuing education within the field of neurological physiotherapy.

### Course outlines

This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Neurological Physiotherapy) course are presented in Table 19.55 and 19.55.1.

Table 19.55: Master of Health Science (Neurological Physiotherapy) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1669: full-time, 1 year<br>Course code 16A2: off-Campus, (FT/PT), 1–2 years<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |

Table 19.55: Master of Health Science (Neurological Physiotherapy) Pass course (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **PHTY 5114** | *16545* | Physiotherapy Management of Impairment, Disability & Handicap | 6 |
| **PHTY 5115** | *16546X* | Clinical Neurological Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5116** | *16547X* | Optimising Motor Performance | 6 |
| **PHTY 5117** | *16548X* | Topics in Neurological Physiotherapy | 6 |
| **PHTY 5118** | *16549X* | Clinical Neurological Physiotherapy B | 6 |

**Off-campus mode**

■ **Year 1**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5116** | *16547X* | Optimising Motor Performance | 6 |

■ **Year 2**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **PHTY 5114** | *16545* | Physiotherapy Management of Impairment, Disability & Handicap | 6 |
| **PHTY 5115** | *16546X* | Clinical Neurological Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5117** | *16548X* | Topics in Neurological Physiotherapy | 6 |
| **PHTY 5118** | *16549X* | Clinical Neurological Physiotherapy B | 6 |

Table 19.55.1: Master of Health Science (Neurological Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1671: full-time, 1 year 3 months<br>Course code 1672: off-Campus, maximum 2.5 years<br>Award total: 60 credit points | | | |

**Full-time mode**

■ **Year 1**

As per Pass course

■ **Year 2 Honours year**

| | | | |
|---|---|---|---|
| **PHTY 5109** | *16540X* | Dissertation | 12 |

**Off-campus mode**

■ **Years 1 and 2**

As per Pass course

■ **Year 3 Honours year**

| | | | |
|---|---|---|---|
| **PHTY 5109** | *16540X* | Dissertation | 12 |

# ■ Master of Health Science (Paediatric Physiotherapy)

Course Coordinators: Ms Jane Butler (02) 9351 9265 and Ms Genevieve Dwyer (02) 9351 9548

## Course aims

The principal aims of the course are to:

- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of paediatric physiotherapy; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian College of Physiotherapists.

## Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in paediatric physiotherapy and demonstrate continuing education within the field of paediatric therapy.

## Course outlines

This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Paediatric Physiotherapy) course are presented in Table 19.56 and 19.56.1.

Table 19.56 Master of Health Science (Paediatric Physiotherapy) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1665: full-time, 1 year<br>Course code 16A3: off-campus (FT/PT), 1–2 years<br>Award total: 48 credit points | | | |

**Full-time mode**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5129** | *16560X* | Topics in Paediatric Physiotherapy A | 6 |
| **PHTY 5130** | *16561X* | Clinical in Paediatric Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5131** | *16562X* | Conceptual Framework Underlying Paediatric Physiotherapy | 6 |
| **PHTY 5132**[1] | *16563X* | Topics in Paediatric Physiotherapy B | 6 |
| **PHTY 5133** | *16564X* | Clinical Paediatric Physiotherapy B | 6 |

**Off-campus mode**

■ **Year 1**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5131** | *16562X* | Conceptual Framework Underlying Paediatric Physiotherapy | 6 |

■ **Year 2**

| | | | |
|---|---|---|---|
| **Semester 1** | | | |
| **PHTY 5129** | *16560X* | Topics in Paediatric Physiotherapy A | 6 |
| **PHTY 5130** | *16561X* | Clinical in Paediatric Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5132**[1] | *16563X* | Topics in Paediatric Physiotherapy B | 6 |
| **PHTY 5133** | *16564X* | Clinical Paediatric Physiotherapy B | 6 |

**Note**

1. Or approved elective.

Table 19.56.1: Master of Health Science (Paediatric Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1667: full-time, 1 year 3 months<br>Course code 1668: off-Campus, maximum 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |
| **Off-campus mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |

# ■ Master of Health Science (Physiotherapy)

Course Coordinator: Mr Martin Mackey (02) 9351 9374

### Course aims

The principal aims of the course are to:

- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in a range of professional areas; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course may also enable physiotherapists to gain credit towards the clinical specialisation process of the Australian Physiotherapy Association.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:

- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in physiotherapy and demonstrate continuing education in physiotherapy.

### Course outlines

This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Physiotherapy) course are presented in Tables 19.57 and 19.57.1.

Table 19.57: Master of Health Science (Physiotherapy) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1677: full-time, 1 year<br>Course code 16A4: off-campus (FT/PT), 1–2 years<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5111** | *16542X* | Clinical Practice A | 6 |
| Elective (List A) | | | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5113** | *16544X* | Clinical Practice B | 6 |
| 2 Electives (List B) | | | 12 |
| **Off-campus mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| Elective (List B) | | | 6 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **PHTY 5111** | *16542X* | Clinical Practice A | 6 |
| Elective (List A) | | | 6 |
| **Semester 2** | | | |
| **PHTY 5113** | *16544X* | Clinical Practice B | 6 |
| Elective (List B) | | | 6 |

MHlthSc(Physiotherapy) electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| ■ **List A** | | | |
| **Semester 1 (00E61A) (6 credit points)** | | | |
| **PHTY 5110** | *16541* | Introduction to Ergonomics | 6 |
| **PHTY 5112** | *16543X* | Orthopaedic Physiotherapy | 6 |
| **PHTY 5159** | *16588X* | Structuring & Managing Clinical Education Placements | 6 |
| **PHTY 5164** | *16593* | Ultrasound for Physiotherapists | 6 |
| 2 Approved Faculty and other electives | | | |
| ■ **List B** | | | |
| **Semester 2 (00E62D) (12 credit points)** | | | |
| **PHTY 5107** | *16538* | Advanced Complex Case Studies in Musculoskeletal Physiotherapy | 6 |
| **PHTY 5116** | *16547X* | Optimising Motor Performance | 6 |
| **PHTY 5121** | *16552X* | Cardiopulmonary Physiotherapy A | 6 |
| **PHTY 5131** | *16562X* | Conceptual Framework Underlying Paediatric Physiotherapy | 6 |
| **PHTY 5134** | *16565* | Therapy in Disorders of the Hand | 6 |
| 2 Approved Faculty and other electives | | | |

Table 19.57.1: Master of Health Science (Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1679: full-time, 1 year 3 months<br>Course code 1680: off-campus, maximum 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |
| **Off-campus mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |

# ■ Master of Health Science (Sports Physiotherapy)

Course Coordinator: Dr Leslie Nicholson (02) 9351 9369

### Course aims

The principal aims of the course are to:
- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist area of sports physiotherapy; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This course will also enable physiotherapists to gain credit towards the Australian Physiotherapy Association of Sports Physiotherapist and towards the clinical specialisation process of the Australian College of Physiotherapists.

### Admission requirements

To qualify for admission to this course conducted by the School of Physiotherapy, applicants shall:
- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the Graduate Studies Committee of the Faculty of Health Sciences that the applicant possesses the educational preparation and capacity to pursue graduate studies.

To enter this course, the applicant shall normally have at least two years clinical experience in musculoskeletal physiotherapy and demonstrate continuing education within the field of sports physiotherapy.

### Course outlines

This course is composed of specified units of study totalling 48 credit points. The course outlines for the Master of Health Science (Sports Physiotherapy) course are presented in Table 19.58 and 19.58.1.

Table 19.58: Master of Health Science (Sports Physiotherapy) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1673: full-time, 1 year<br>Course code 1674: part-time, 2 years<br>Award total: 48 credit points | | | |
| **Full-time mode** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5103** | *16534* | Musculoskeletal Sports Injuries A | 6 |
| **PHTY 5104** | *16535* | Clinical Sports Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5106** | *16537* | Musculoskeletal Sports Injuries B | 6 |
| **PHTY 5107** | *16538* | Advanced Complex Case Studies in Musculoskeletal Physiotherapy | 6 |
| **PHTY 5108** | *16539* | Clinical Sports Physiotherapy B | 6 |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **PHTY 5101** | *16533X* | Advanced Functional Anatomy & Biomechanics | 6 |
| **PHTY 5103** | *16534* | Musculoskeletal Sports Injuries A | 6 |
| **Semester 2** | | | |
| **PHTY 5105** | *16536X* | Physiological & Cognitive Bases of Clinical Practice | 6 |
| **PHTY 5106** | *16537* | Musculoskeletal Sports Injuries B | 6 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| **PHTY 5100** | *16532X* | Evaluation & Research in Physiotherapy Practice | 6 |
| **PHTY 5104** | *16535* | Clinical Sports Physiotherapy A | 6 |
| **Semester 2** | | | |
| **PHTY 5107** | *16538* | Advanced Complex Case Studies in Musculoskeletal Physiotherapy | 6 |
| **PHTY 5108** | *16539* | Clinical Sports Physiotherapy B | 6 |

Table 19.58.1: Master of Health Science (Sports Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1675: full-time, 1 year 3 months<br>Course code 1676: part-time, maximum 2.5 years<br>Award total: 60 credit points | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| As per Pass course | | | |
| ■ **Year 2 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours year** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |

# ■ Combined Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

Course Coordinators: Dr Rob Boland (02) 9351 9156 and Professor Kathy Refshauge (02) 9351 9180

### Course aims

- Produce a body of graduates with academic and clinical skills to foster and develop the role of physiotherapy in the specialist areas of sports and manipulative physiotherapy; and
- Encourage the development of a high standard of academic and clinical skills and promote a scientific approach to the evaluation of current therapeutic interventions.

This program will also enable physiotherapists to gain credit towards the Australian Physiotherapy Association of Sports Physiotherapist, Musculoskeletal Physiotherapist and towards the clinical specialisation process of the Australian College of Physiotherapists.

### Admission requirements

To qualify for admission to this program conducted by the School of Physiotherapy, applicants will:
- Possess an award of Bachelor of Applied Science (Physiotherapy) from the Cumberland College of Health Sciences or from The University of Sydney; or
- Possess an award of Bachelor of Science with a major in Anatomy from the University of New South Wales, or its equivalent, and a Graduate Diploma in Physiotherapy from Cumberland College of Health Sciences; or
- Possess such qualifications as are deemed to be equivalent to (a) and/or (b); or
- Other evidence of academic, general and/or professional qualifications as will satisfy the School of Physiotherapy that the applicant possesses the educational preparation and capacity to pursue graduate studies.

The successful applicant will have at least two years clinical experience in musculoskeletal physiotherapy and demonstrate continuing education within the field of sports or manipulative physiotherapy.

### Course outlines

The program will require the completion of a 48 credit point Master of Health Science (Sports Physiotherapy) or (Manipulative Physiotherapy) followed by completion of 24 credit points in the other discipline (see Table 19.59). The program can be undertaken in full-time or part-time mode.

Normally, students enrolled in the combined program will not take out the first award, but will transfer to the combined award. Content will include biomedical and behavioural sciences, research methods and clinical practice (Tables 19.58 and 19.59; and units of study descriptions at the end of this chapter).

Full-time mode: Total length of candidature for the combined degree will usually be three semesters full-time. That is, two semesters for the single degree and an additional one semester to complete the combined degree.

Part-time mode: Total length of candidature for the combined degree will usually be 6 semesters part-time. That is, 4 semesters for the single degree and an additional one or two semesters to complete the combined degree. Candidates will be encouraged to complete the additional units of study in one semester; if they choose to undertake only one unit of study at a time, they may be required to return the following year for Semester I to complete the second unit of study.

### Credit transfer

For new enrolments, credit transfer will follow the existing Faculty policy as outlined in the Faculty of Health Sciences handbook. Students must complete the prescribed 48-credit point program in Sports Physiotherapy or Manipulative Physiotherapy before transferring to the combined degree program. The combined degree will require the completion of additional credit points that complement the previous degree (Tables 19.59 and 19.59.1). In other words, those who have completed the requirements of the Master of Health Science (Manipulative Physiotherapy) will complete units of study to expand their Sports Physiotherapy knowledge and skills, and vice versa.

Students who have had the degree of Master of Health Science (Sports Physiotherapy) or (Manipulative Physiotherapy) conferred but elect to return to enrol in the alternate degree, will not be awarded the combined degree. They will, instead, have two masters degrees – ie, Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy).

Credit transfer is outlined below for potential applicants, including:

- Enrolled student ts of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy)
- Graduates of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy)
- Graduates of Master of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years, and
- Graduates of Graduate Diploma of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years.

***Enrolled students of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy)***

Students enrolled in the Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy) from 2001 who wish to transfer to the 72 credit points combined degree can do so by completing 24 credit points units of study in addition to the 48 credit points of the original degree.

***Graduates of Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy) prior to 2001***

The combined course is not available to these applicants. These applicants can take out the award of the alternate master degree by successfully completing 30 credit points.

***Graduates of Master of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years***

The combined course is not available to these applicants. These applicants can take out the award of the alternate master degree by successfully completing 30 credit points.

### Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours

As with other master's degree programs within the School and Faculty, students can transfer to a Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours, provided they have successfully completed the Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Pass degree at a level deemed to be of sufficient merit by the School.

***Graduates of Graduate Diploma of Applied Science (Manipulative Physiotherapy) or (Sports Physiotherapy) within 5 years***

These applicants can convert to a Master of Health Science (Manipulative Physiotherapy) or (Sports Physiotherapy), by a path that already exists for this conversion. They can then complete the alternate master degree by completing 30 credit points.

#### Table 19.59: Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1685: full-time, 1 semester<br>Course code 1686: part-time, 2 semesters (duration depends on when units of study are offered)<br>Award total: 72 credit points. The Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative physiotherapy) degree involves the addition of 24 credit points. | | | |
| **Full-time mode** | | | |
| ■ **Year 1** | | | |
| See Table 19.58 | | | 48 |
| ■ **Year 2** | | | |
| **PHTY 5155** | *16584* | Clinical Manipulative Physiotherapy C | 12 |
| **PHTY 5156** | *16585* | Clinical Manipulative Physiotherapy D | 12 |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| See Table 19.58 | | | 48 |
| ■ **Year 3** | | | |
| Duration of Year 3 depends on when units of study are offered. | | | |
| **Semester 1** | | | |
| **PHTY 5155** | *16584* | Clinical Manipulative Physiotherapy C | 12 |
| **Semester 2** | | | |
| **PHTY 5156** | *16585* | Clinical Manipulative Physiotherapy D | 12 |

#### Table 19.59.1: Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1686: part-time, 2 semesters (duration depends on when units of study are offered)<br>Award total: 72 credit points. The Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative physiotherapy) degree involves the addition of 24 credit points. | | | |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| See Table 19.54 | | | 48 |
| ■ **Year 3** | | | |
| Duration of Year 3 depends on when units of study are offered. | | | |
| **Semester 1** | | | |
| **PHTY 5157** | *16586* | Clinical Sports Physiotherapy C | 12 |
| **Semester 2** | | | |
| **PHTY 5158** | *16587* | Clinical Sports Physiotherapy D | 12 |

#### Table 19.59.2: Master of Health Science (Sports Physiotherapy) and Master of Health Science (Manipulative Physiotherapy) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| The Master of Health Science Honours degree involves the addition of a 12-credit point dissertation. Students of sufficient merit can apply to enter the Master of Health Science Honours degree.<br>Course code 1687: full-time, 3 months<br>Course code 1690: part-time, minimum 1 semester, maximum 2 semesters<br>Award total: 12 credit points | | | |
| **Full-time mode** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |
| **Part-time mode** | | | |
| **PHTY 5109** | *16540X* | Dissertation | 12 |

## Master of Applied Science (Physiotherapy) by Research

The Master of Applied Science (Physiotherapy) course is a research degree. The course is designed to provide an opportunity for research and scholarship in specific areas of physiotherapy.

Course Coordinator: Associate Professor Jack Crosbie (02) 9351 9 262

### Admission requirements

The Faculty may, on the recommendation of the Head of School concerned, admit to candidature for a degree of Master within the Faculty an applicant:

- who 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.
- who, in addition, meets any other requirements for admission to a particular program that has been prescribed by Faculty.

*Appropriate courses are those deemed equivalent to the Bachelor degree in Physiotherapy from Cumberland College of Health Sciences or The University of Sydney.

### Time limits

The standard course comprises of both enabling preparatory work to support the research and research thesis. Students who enter the course with adequate research preparation may be exempt from completing some or all of the enabling components in preparation for their Master's Research Thesis – eg, research elective units and/or thesis workshops. Usually degree program at honours level I or II. The minimum length of the course for such students is one year full-time or two years part-time.

### Course outline

The course outline for the Master of Applied Science (Physiotherapy) course is presented in Table 19.60.

Table 19.60 Master of Applied Science (Physiotherapy) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 1603: part-time, Special Program (for master's qualifying students) | | | |
| Course code 1643: full-time, Special Program (for master's qualifying students) | | | |
| Course code 1624: full-time, minimum 1.5 years, maximum 2 years | | | |
| Course code 1625: part-time, minimum 3 years, maximum 4 years | | | |
| Note: Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units (listed in chapter 21), and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. | | | |
| **Full-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **PHTY 6014** | *16503A* | Research Thesis A | |
| **PHTY 6015** | *16503B* | Research Thesis B | |
| **Part-time mode** | | | |
| ■ **Year 1 (and subsequent years)** | | | |
| **PHTY 6014** | *16503A* | Research Thesis A | |
| **PHTY 6015** | *16503B* | Research Thesis B | |

# ■ Physiotherapy units of study

### BACH 5325 **Society, Health and Behaviour Change M**

Old code 2559W. 2 credit points. Dr Robert Heard. **Semester**: 1. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Assessment**: Project 1000 wd (50%), Written examination 1.5 hr (50%).

This unit of study covers two areas. First, it 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. Secondly, it describes abnormal and illness behaviours using relevant theoretical frameworks for understanding these phenomena, as well as examining behavioural management strategies as adjuvant methods in patient care.

*Textbooks*

Reference list but no prescribed texts.

### BIOS 5054 **Functional Musculoskeletal Anatomy M**

Old code 11519. 4 credit points. Ms Jan Douglas-Morris. **Semester**: 1. **Classes**: Daytime regularly scheduled classes and Web CT learning. **Assumed knowledge**: Basic musculoskeletal anatomy. **Assessment**: Mid-semester practical exam (30 mins, 25%); end-semester practical exam (30 mins, 25%); end-semester MCQ exam (60 mins, 50%).

Assuming a knowledge of basic musculoskeletal anatomy, this unit will cover an in depth exploration of the functional musculoskeletal anatomy of the limbs, trunk, pelvis and neck. Material will be presented in lectures, tutorials, laboratory classes and on-line. Students will be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied. Attendance at such classes is strongly encouraged.

*Textbooks*

Palastanga, Field and Soames (2002) Anatomy and Human Movement (4th edition)

### BIOS 5055 **Neurosciences for Physiotherapists M**

Old code 11520. 3 credit points. Dr John Burne. **Semester**: 2. **Classes**: On campus 30 hours. **Assumed knowledge**: Basic neuroscience equivalent to Introductory Neuroscience BIOS 1137. **Assessment**: Take home exam (1 hr, 0%) and Final exam (2 hrs, 100%).

This unit provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Material will be presented in lectures, tutorials and on-line. Students will be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied. Attendance at such classes is strongly encouraged.

*Textbooks*

Reference list (no prescribed texts)

### PHTY 5100 **Evaluation & Research in Physiotherapy Practice**

Old code 16532X. 6 credit points. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Block Flexible delivery modes. **Assessment**: Grant submission, seminar presentation, written submission.

The unit will provide the opportunity for students to learn the skills needed for the critical evaluation of literature pertinent to physiotherapy practice, the principles underlying evidence-based practice and epidemiology. This unit will also develop the students' skills in searching electronic databases as well as acquiring scientific writing skills by developing a grant submission of a research question. In addition, the use and validity of statistical tests will be covered.

### PHTY 5101 **Advanced Functional Anatomy & Biomechanics**

Old code 16533X. 6 credit points. **Semester**: 1. **Classes**: Web based block mode. **Assessment**: Written examination, individual assignments.

This unit will consist of six modules exploring functional anatomy and biomechanics. Each module will examine one body region and will include an in-depth exploration of the structure and function of joints and soft tissues, as well as the propterties and characteristics of movement related to these regions.

### PHTY 5103 **Musculoskeletal Sports Injuries A**

Old code 16534. 6 credit points. Dr Leslie Nicholson, l.nicholson@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus 3–4 hours/week, during the day. **Corequisite**: Functional Anatomy & Biomechanics. **Assessment**: Written report, seminar presentation and practical examinations, objective structured clinical exam.

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical spine and upper limbs. Specific emphasis is placed on sports therapy, particularly throwing and overhead injury management, but in the context of total patient management. The unit aims to integrate relevant knowledge from related sciences into musculoskeletal physiotherapy practice.

### PHTY 5104 **Clinical Sports Physiotherapy A**

Old code 16535. 6 credit points. Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus 2 hours/week, and will require off campus commitment. **Corequisite**: Musculoskeletal Sports Injuries A, Advanced Functional Anatomy & Biomechanics. **Assessment**: Seminar presentations and written reports; Workbook A (50%); Seminar Presentation 30 mins (40%), Workbook B (10%).

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their

previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries.

### PHTY 5105 Physiological & Cognitive Bases of Clinical Practice

Old code 16536X. 6 credit points. Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Web based. **Assessment**: Four written 500-word reports (60%); short answer question exam 2 hrs (40%).

The majority of this unit will involve the study of the pathophysiological adaptations of muscle and nerve to training and disuse from both the physical and behavioural perspectives. It will also cover aspects of the nutritional basis of activity, the pharmacological effects of various medications and the effects of altered sleep patterns on function.

### PHTY 5106 Musculoskeletal Sports Injuries B

Old code 16537. 6 credit points. Dr Leslie Nicholson, l.nicholson@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus 3–4 hours/week, during the day. **Prerequisite**: Functional Anatomy & Biomechanics. **Assessment**: Written report, seminar presentation and practical examinations; video analysis and report.

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lumbar, thoracic spine and the lower limbs. Specific emphasis is placed on sports therapy, particularly running and jumping injury management, but in the context of total patient management. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

### PHTY 5107 Advanced Complex Case Studies in Musculoskeletal Physiotherapy

Old code 16538. 6 credit points. Dr Debra Shirley, d.shirley@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus 4 hours/week, during the day. **Prerequisite**: Advanced Functional Anatomy & Biomechanics, Advanced Musculoskeletal Disorders A. **Corequisite**: Advanced Musculoskeletal Disorders B. **Assessment**: Case study analyses, group participation and seminar presentations; panel discussion 30mins (20%x2), exam-short answer question 2hrs (60%).

This unit will adopt a problem based learning approach to the assessment and management of complex case studies of the musculoskeletal system.

### PHTY 5108 Clinical Sports Physiotherapy B

Old code 16539. 6 credit points. Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Some on-campus but mostly undertaken off-campus. **Prerequisite**: Musculoskeletal Sports Injuries A, Advanced Functional Anatomy & Biomechanics. **Corequisite**: Musculoskeletal Sports Injuries B, Advanced Functional Anatomy & Biomechanics. **Assessment**: Peer review, practical examinations and written reports; Workbook A Wk 8 (25%); Clinical exam 1hr (45%) plus 15mins viva, Workbook B (30%).

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries.

### PHTY 5109 Dissertation

Old code 16540X. 12 credit points. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 1, 2. **Assessment**: 5000–7000 words (100%) – Wk 14 Sem 1, Full-time – Wk 13 Sem 2, Part-time).

The dissertation comprises a major written work that involves the preparation of a non-research dissertation on a specific area of interest, under supervision. This document is a substantial scholarly work (of approximately 5,000–7,000 words) that is an exposition of a range of knowledge in a specific area of physiotherapy (clinical) practice and is expected to include original argument substantiated by reference to acknowledged authorities. It does not involve data collection but may take the form of analysis of existing data, developing a clinical tool or developing and evaluating patient education materials. The nature and complexity of the topic is negotiated with a designated supervisor. The aim of this work is for students to integrate background material and provide cohesive, structured suggestions for physiotherapy development or practice. A designated number of hours are set aside for workshops for classes in scientific writing but the majority of the hours will be spent in consultation with the supervisor or in independent study. The dissertation document will be assessed by 2 examiners and comprises 100% of the assessment in this unit.

### PHTY 5110 Introduction to Ergonomics

Old code 16541. 6 credit points. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 1. **Classes**: on-campus 3–4 hours/week, late afternoon / early evening. **Assumed knowledge**: Undergraduate Ergonomics. **Assessment**: Written exam and seminar presentation.

This unit aims to give the student an overview of the discipline of ergonomics and explores the inter-relationship and relevance of a variety of ergonomic issues in the workplace through analysis and exploration of case study scenarios. Ergonomic concepts explored include a review of work physiology, biomechanics and kinesiology, physical and psychological factors influencing the worker, anthropometry and work system issues. A problem-based learning approach will be used for content delivery with students working individually and in small groups to acquire and analyse case information and related materials. The tutor will facilitate this learning process. The unit will be assessed by written report and (group) seminar presentation. Peer evaluation, (of each individual's contribution to the group problem solving process), will also form part of the overall assessment for each student.

**Practical**: Up to 10 hours of fieldwork

*Textbooks*

Ergonomics, the Physiotherapist in the Workplace, B M (1990)
Fitting the Task to the Man (4th ed) E. Grandjean (1990)

### PHTY 5111 Clinical Practice A

Old code 16542X. 6 credit points. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Predominantly off campus clinical practice. **Assessment**: Clinical journal, seminar presentation.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

Note: To undertake this unit overseas and interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following enrolment. Original documents and certified translations into English will be required.

**Practical**: Involves both on- and off-campus clinical hours

### PHTY 5112 Orthopaedic Physiotherapy

Old code 16543X. 6 credit points. Ms Trudy Rebbeck, T.Rebbeck@fhs.usyd.edu.au; Ms Angela Stark, A.Stark@fhs.usyd.edu.au. **Semester**: 1. **Classes**: off-campus 4 hours/week. **Assessment**: written assignment, seminar presentation, written exam. Includes an on-line exam for the initial (elective) refresher re-entry module and seminars and an essay for the remaining modules.

This unit of study provides the student with the opportunity to improve their knowledge and skills in the area of orthopaedic physiotherapy. Students will complete 3 or 4 modules dependent on entry level. The unit will focus on the assessment, clinical diagnosis and management of common orthopaedic conditions including Rheumatology, Osteoporosis and Orthopaedic post-surgical rehabilitation and an independent learning module. The unit has been designed to be offered in distance education mode with on-line tutorials, electronic student chat rooms and electronically posted assignments.

### PHTY 5113 Clinical Practice B

Old code 16544X. 6 credit points. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Predominantly off campus clinical practice. **Assessment**: Clinical journal, seminar presentation.

This unit provides students with the opportunity to apply knowledge gained during the course within a clinical environment. Clinical placement will depend upon identified needs of the students and the availability of appropriate clinical areas. To this end students are required to develop a learning contract which specifies their learning goals, strategies, resources and outcomes.

Note: To undertake this unit overseas and interstate trained physiotherapists must apply to the NSW Physiotherapists Registration Board for approval to practise during the course. This process will be facilitated by the unit coordinator following

enrolment. Original documents and certified translations into English will be required.
**Practical**: Involves both on- and off-campus clinical hours

### PHTY 5114 Physiotherapy Management of Impairment, Disability & Handicap

Old code 16545. 6 credit points. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Flexible delivery modes. **Assumed knowledge**: 2 years Neurology clinical experience. **Assessment**: Written exam (40%); Seminar presentation (class) (30%); Seminar presentation (20%).
This unit consists of two modules. The first module examines the impairments associated with neurological lesions and the resultant adaptations of both motor and psychological behaviour. The second module examines disability and handicap associated with neurological lesions and provides a forum for students to examine the process of rehabilitation, the environment in which it takes place and factors which may influence outcome.

### PHTY 5115 Clinical Neurological Physiotherapy A

Old code 16546X. 6 credit points. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Flexible delivery modes. **Assumed knowledge**: 2 years Neurology clinical experience. **Assessment**: Assignment 1 (30%); Assignment 2 (30%); take-home exam (40%).
This unit is designed to enable students to explore in some depth aspects of clinical practice in order to increase their knowledge of available clinical and scientific resources, and to expand their awareness and experience in areas of practice with which they are unfamiliar. Clinical placement will depend upon identified needs of the students and the availability of clinical placements. Students will also have an opportunity to apply knowledge gained in Physiotherapy Management of Impairment, Disability and Handicap to clinical practice. The subject involves both academic and clinical hours. The clinical hours may be undertaken at the student's convenience.
**Practical**: Clinical hours as determined by student and coordinator

### PHTY 5116 Optimising Motor Performance

Old code 16547X. 6 credit points. Dr Sharon Kilbreath, S.Kilbreath@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Flexible delivery modes. **Assumed knowledge**: 2 year clinical experience in Physiotherapy. **Prerequisite**: Functional Anatomy & Biomechamics. **Assessment**: Written assignment (30%); viva exam 15 mins (40%); essay 1500 words (30%).
In this unit, students examine normal motor behaviour in order to develop skill in analysing motor performance, planning and implementing motor training and preventing disabling adaptive processes. In addition, there will be a module examining the historical development of physiotherapy.

### PHTY 5117 Topics in Neurological Physiotherapy

Old code 16548X. 6 credit points. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Venues depending on Elective. **Assumed knowledge**: 2 years Neurology clinical experience. **Assessment**: Varies, depending on electives chosen.
This unit is designed to allow the student choice in studying an area pertinent to neurological physiotherapy. With the approval of the course academic adviser, students may choose from units offered within the faculty, the University, or by other universities.

### PHTY 5118 Clinical Neurological Physiotherapy B

Old code 16549X. 6 credit points. Dr Colleen Canning, C.Canning@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus 4 hours/week, late afternoon and evening. **Assumed knowledge**: 2 years Neurology clinical experience. **Assessment**: Training videotape (50%); written report of a case study (50%).
This unit provides students with the opportunity to apply knowledge gained in Optimising Motor Performance within a clinical environment without the pressure of the usual work place. Students will also prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The clinical hours may be undertaken at the student's convenience.
**Practical**: Yes

### PHTY 5119 Topics in Cardiopulmonary Physiotherapy

Old code 16550X. 6 credit points. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus. **Corequisite**: Physiological and Cognitive Bases of Clinical Practice PHTY 5105 (16536). **Assessment**: Written assignments.
In this unit the student will research a topic of current interest to physiotherapists in the cardiopulmonary area such as intensive care, pulmonary rehabilitation, cardiac rehabilitation, sleep disordered breathing. Topics covered will depend on available expertise for supervision.

### PHTY 5120 Clinical Cardiopulmonary Physiotherapy A

Old code 16551X. 6 credit points. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off campus. **Assessment**: Case presentation/written report and a report on a clinical investigation.
This unit will provide the equivalent of 2 weeks access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.
**Practical**: Approximately 60 hours

### PHTY 5121 Cardiopulmonary Physiotherapy A

Old code 16552X. 6 credit points. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Text based off-campus mode. **Corequisite**: Evaluation and Research in Physiotherapy Practice PHTY 5100 (16532). **Assessment**: Five worksheets, three written assignments (2000 words each).
This unit will focus on cardiopulmonary interventions and their application to clinical practice. The physiological basis of each intervention will be investigated. Students will be expected to review current literature and draw conclusions regarding the appropriateness of each technique for particular clinical scenarios.

### PHTY 5122 Cardiopulmonary Physiotherapy B

Old code 16553X. 6 credit points. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus 4 hours/week, late afternoon and evening. **Assessment**: Seminar presentations and case study analysis.
*NB: Offered subject to a minimal number of enrolments.*
This unit applies knowledge gained in Cardiopulmonary Physiotherapy A, Advanced Funtional Anatomy and Biomechanics and Physiological and Cognitive Bases of Clinical Practice to specific case studies with the aim of identifying clinical problems and designing appropriate clinical interventions. Students will prepare discussion questions to present in tutorials.

### PHTY 5123 Clinical Cardiopulmonary Physiotherapy B

Old code 16554X. 6 credit points. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Semester**: 2. **Assessment**: Case presentation and written report.
This unit will provide the equivalent of 2 weeks access to clinical experience in specialist areas enabling the student to apply knowledge gained during the course and develop clinical expertise. Clinical placement will be dependent upon the identified needs of the student and the availability of appropriate clinical areas. Students will be required to develop a learning contract, which specifies their learning goals, strategies, resources and outcomes.
**Practical**: Approximately 60 hours

### PHTY 5124 Advanced Musculoskeletal Disorders A

Old code 16555. 6 credit points. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus 4 hours/week during day. **Corequisite**: Advanced Functional Anatomy and Biomechanics. **Assessment**: Essay 1500 words (40%); Objective structured clinical exam 2hrs (60%).
This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the cervical spine and upper limbs. Specific emphasis is placed on manipulative physiotherapy, but in the context of total patient management. The unit aims to integrate relevant knowledge from related sciences into manipulative physiotherapy practice.

### PHTY 5125 Clinical Manipulative Physiotherapy A

Old code 16556. 6 credit points. Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Semester**: 1. **Classes**: 12 hours/week. **Corequisite**: Advanced Functional Anatomy and Biomechanics, Advanced Musculoskeletal Disorders A. **Assessment**: Clinical exam short case (x2) (30% each); Clinical exam long case (includes viva) (40%).
The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that

each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic, and spinal or peripheral problems, and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. Students will also complete a module on manipulation of the cervical and cervicothoracic spines. This will include the theoretical bases as well as the practical skills required.

### PHTY 5126 **Advanced Musculoskeletal Disorders B**

Old code 16557. 6 credit points. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus 3–4 hours/week, during the day. **Prerequisite**: Advanced Functional Anatomy and Biomechanics. **Assessment**: Essay 1500 words (40%); Objective structured clinical exam 2hrs (60%).

This unit will focus on the assessment, clinical diagnosis and management of musculoskeletal problems in the lumbar, thoracic spine and lower limbs. Specific emphasis is placed on manipulative physiotherapy, but in the context of total patient management. Current clinical evidence for the role of therapeutic exercise is a focus in all areas.

### PHTY 5128 **Clinical Manipulative Physiotherapy B**

Old code 16559. 6 credit points. Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Semester**: 2. **Classes**: 12 hours/week. **Prerequisite**: Advanced Functional Anatomy and Biomechanics, Advanced Musculoskeletal Disorders A, Clinical Manipulative Physiotherapy A. **Corequisite**: Advanced Musculoskeletal Disorders B. Advanced Complex Case Studies in Musculoskeletal Physiotherapy. **Assessment**: Clinical exam short case 1hr (30% each); Clinical exam long case (includes viva) (40%).

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury in the lower body. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will have on-campus hours and will require considerable off campus commitment. Students will also complete a module which will require further investigation of selected clinical presentations.

### PHTY 5129 **Topics in Paediatric Physiotherapy A**

Old code 16560X. 6 credit points. Ms Genevieve Dwyer, G.Dwyer@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Predominantly off-campus. **Assumed knowledge**: 2 years Paediatric Phyiotherapy clinical experience. **Assessment**: Seminar presentation 45mins (40%); assignment 2000–4000 words (60%).

This unit covers topics of current interest to paediatric physiotherapists in the area of neurological impairment, cardiorespiratory and musculoskeletal issues. The student will choose one of these areas to study and will be required to analyse information presented in the form of a clinical scenario, identify their learning needs and explore the pathophysiology and management of the problem through a process of supported self directed learning. Furthermore, the student will be required to identify clinical implications for physiotherapy intervention based on current research findings, justify their selection of intervention on the basis of best evidence available and identify the most appropriate means to evaluate the effectiveness of the intervention.

### PHTY 5130 **Clinical in Paediatric Physiotherapy A**

Old code 16561X. 6 credit points. Ms Jane Butler, j.butler@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Predominantly off-campus. **Assumed knowledge**: 2 years Paediatric Physiotherapy clinical experience. **Assessment**: Seminar presentation 45 minutes (50%) and written report 3000–4000 words (50%).

This unit of study is designed to provide the student with an understanding of paediatric physiotherapy within a clinical setting. The student will be required to derive inferences from scientific research and develop applications to the clinical setting. In addition they will need to apply problem-solving skills to the effective management and evaluation of physiotherapy intervention. The student will be given the opportunity to decide on their individual preference of clinical setting and will conduct their placement through a learning contract supported self-directed learning.

### PHTY 5131 **Conceptual Framework Underlying Paediatric Physiotherapy**

Old code 16562X. 6 credit points. Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Predominantly 4 hours/week, off-campus. **Assumed knowledge**: 2 years Paediatric Physiotherapy clinical experience. **Assessment**: Seminar presentation-individual, 20 mins (30%); Written assignment 2000 words (70%).

*NB: Offered subject to a minimum number of enrolments, or approved elective in paediatric physiotherapy area will be considered.*

This unit of study is intended to give students an understanding of current issues relating to children with particular reference to paediatric physiotherapy. Students will examine historical frameworks of paediatric physiotherapy and how these frameworks have influenced clinical practice.

### PHTY 5132 **Topics in Paediatric Physiotherapy B**

Old code 16563X. 6 credit points. Ms Jane Butler, J.Butler@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus. **Assumed knowledge**: 2 years Paediatric Physiotherapy clinical experience. **Assessment**: In accordance with selected unit.

This unit is designed to allow the student the opportunity to select their own area of study related to paediatric physiotherapy. With approval from the course academic advisor and unit of study coordinator, the student may select a unit of study from within the Faculty or through another university.

### PHTY 5133 **Clinical Paediatric Physiotherapy B**

Old code 16564X. 6 credit points. Dr Adrienne Hunt, A.Hunt@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Predominantly off-campus. **Assumed knowledge**: 2 years Paediatric Physiotherapy clinical experience. **Prerequisite**: Topics in Paediatric Physiotherapy A PHTY 5129 (16560). **Assessment**: Seminar presentation (50%), Written report of a case study (50%).

This unit provides the students with the opportunity to apply knowledge gained in Topics in Paediatric Physiotherapy A within a clinical environment. Students will prepare, document and write up the results of a case study of training a patient to improve performance on a specific task. It involves both clinical and academic hours. The academic hours will be negotiated with the unit coordinator with the clinical hours undertaken at the student's convenience.

**Practical**: As deemed relavant by student and unit coordinator

### PHTY 5134 **Therapy in Disorders of the Hand**

Old code 16565. 6 credit points. Ms Rosemary Prosser, rosemary_hands@msn.com.au; Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus (block) and off campus distance mode. **Assumed knowledge**: Graduate experience in hand therapy as a qualified Physiotherapist or Occupational Therapist. **Assessment**: Seminar presentation, participation, essay, group participation and mastery of practical skills.

This unit of study provides the student with the opportunity to improve their knowledge and skills in the area of common hand pathologies including fractures and dislocations, arthritis wrist, tendon and nerve injuries. Assessment and treatment strategies used specifically for hand injuries and conditions will be addressed including impairment, sensibility and disability testing, splinting, and exercise. Practical clinical skills in hand therapy will be also be covered, further development of which will occur in the clinical practice units of study.

### PHTY 5139 **Electrophysical Agents M**

Old code 16568. 8 credit points. Mr Mark Hancock. **Semester**: 1. **Classes**: Presented on-campus with regular scheduled classes held during the day. **Corequisite**: Musculoskeletal Physiotherapy M1 PHTY 5140 (16569). **Assessment**: Practical exam (20%) practical/viva exam (30%) and written exam 2 hr (50%).

This unit involves the student in the study of the physical basis and physical consequences of various electrophysical modalities. It provides the student with the opportunity to develop basic knowledge and skills in the safe and effective use of a range of modalities including conductive heating and cooling, ultrasound, pressure therapy, shortwave diathermy, electrical stimulation, and surface electromyographic biofeedback. The efficacy of these treatment modalities will be explored and safety issues are emphasised. Also, an emphasis is placed on communication skills development, which is considered an integral part of quality health management. This unit also aims to assist in the development of clinical reasoning and problem solving skills.

*Textbooks*

Electrotherapy explained: Principles and practice (3rd ed) Low, J. and Reed, A (2000) London: Butterworth-Heinemann

### PHTY 5140 **Musculoskeletal Physiotherapy M1**

Old code 16569. 11 credit points. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Corequisite**: Electrophysical Agents M PHTY 5139, Biomedical Sciences M BIOS 55052. **Assessment**: Sem 1 – written examination 2 hr (50%), practical examination (20%), Sem 2 – seminar 10%, written exam 1 hr (20%).

Semester 1: 10 credit points. Semester 2: 1 credit point.

This unit introduces students to musculoskeletal physiotherapy and aims to equip students with the necessary cognitive and practical skills to assess and manage patients with selected problems of the peripheral musculoskeletal system. Students will study the structure and function of the normal musculoskeletal system and the response of the system to trauma and disease. Principles of medical and physiotherapy management of musculoskeletal disorders will also be covered. Students will learn how to take a history and to perform selected physical examination and management procedures, including patient manual handling skills. They will learn about muscle actions, measurement of joint range of motion and measurement of muscle strength. In this unit, areas covered include clinical assessment, clinical decision making, philosophy and guidelines for treatment of various conditions affecting the foot, ankle, knee, hip, shoulder, elbow and hand regions. Specific therapeutic interventions taught include exercise prescription and manual therapy skills (selected peripheral mobilisation techniques and soft tissue stretching). Other topics include pain management, peripheral nerve injuries, osteoporosis, health promotion, sports injuries, pharmacology for physiotherapists and rheumatology.

*Textbooks*

1. Magee DJ (2002) Orthopaedic Physical Assessment (4th ed) Philadelphia: W B Saunders
2. Bruckner and Khan (2000) Clinical Sports Medicine (2nd edn) McGraw-Hill.

### PHTY 5141 **Cardiopulmonary Physiotherapy M1**

Old code 16570. 4 credit points. Ms Lyndal Maxwell, L.Maxwell@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Assessment**: Sem 1 – practical viva exam 15 min (15%), written exam 1 hr (25%), Sem 2 – written exam 2 hr (60%).

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 pulmonary rehabilitation.

Semester 1, 3 credit points; Semester 2, 1 credit point

*Textbooks*

1. Pryor J.A and Prasad SA (2002) Physiotherapy for respiratory and cardiac problems (3rd ed) Churchill Livingstone

### PHTY 5142 **Ethical Physiotherapy Practice M**

Old code 16571. 2 credit points. Ms Vicki Williams, v.williams@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Assessment**: Seminar with video (100%).

In this unit of study, students explore the Australian Physiotherapy Association Professional Code of Ethics and the application of this code in clinical decision making. 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 NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are also explored in both lecture and tutorial format.

*Textbooks*

Reference list but no prescribed texts.

### PHTY 5144 **Clinical Education M1A**

Old code 16573. 6 credit points. Ms Sharon Faulkner. **Semester**: 2. **Classes**: 148 hours presented off-campus at various clinical sites. **Prerequisite**: Electrophysical Agents M PHTY 5139 (16568). **Corequisite**: Cardiopulmonary Physiotherapy MI PHTY 5141 (16570), Musculoskeletal Physiotherapy M1 PHTY 5140 (16569). **Assessment**: Continuous assessment.

The aim of this unit is to provide an opportunity for the student to develop a broad understanding of the provision of physiotherapy services in hospital or community-based healthcare settings. The development of communication skills is an integral part of this unit. In addition, the emphasis of the unit is on safety in patient handling, aspects of examination, the analysis of information gained from the examination and the implementation of a treatment program. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 5145 **Clinical Education M1B**

Old code 16574. 7 credit points. Ms Angela Stark. **Semester**: 2. **Classes**: 185 hours presented off-campus at various clinical sites. **Prerequisite**: Electrophysical Agents M PHTY 5139 (16568). **Corequisite**: Cardiopulmonary Physiotherapy MI PHTY 5141 (16570), Musculoskeletal Physiotherapy M1 PHTY 5140 (16569), Clinical Education M1A PHTY 5144 (16573). **Assessment**: Continuous assessment.

This unit of study will involve clinical placement in general wards so that the student can gain experience in orthopaedics. Students will build on experience gained in Clinical Education M1A and they will be expected to demonstrate an increased ability in the management of patients (assessment, treatment and evaluation). In addition, professional practices will be emphasised. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 5146 **Cardiopulmonary Physiotherapy M2**

Old code 16575. 2 credit points. Ms Lyndal Maxwell, L.Maxwell@fhs.usyd.edu.au. **Semester**: 1. **Classes**: presented on-campus with regularly scheduled classes held during the day. **Prerequisite**: Biomedical Science M BIOS 5052 and Cardiopulmonary Physiotherapy M1 PHTY 5141. **Assessment**: Written examination (60%) and case study (40%).

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. They will also examine issues related to and develop skills in the early rehabilitation of acute care patients.

*Textbooks*

Oh's Intensive Care Manual (2003) (5th ed) Oh T.E. Sydney: Bevsten A.D & Soni N.

### PHTY 5147 **Musculoskeletal Physiotherapy M2**

Old code 16576. 6 credit points. Dr Jane Latimer, J.Latimer@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Prerequisite**: Musculoskeletal Physiotherapy MI PHTY 5146. **Assessment**: Sem 1 – Practical exam (10 %), written exam 2 hr (60%); sem 2 – practical exam (10%), written exam 1 hr (20%).

This unit aims to develop the cognitive and practical skills needed to manage patients presenting with selected musculoskeletal disorders of the vertebral column. Students will apply the principles of assessment and management learnt in Musculoskeletal Physiotherapy MI, to selected musculoskeletal disorders of the vertebral column. As before, 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. 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. This unit also examines the theoretical base for clinical intervention.

*Textbooks*

1.\tWaddell, G (1998) The Back Pain Revolution, Edinburgh: Churchill Livingstone

### PHTY 5148 **Neurological Physiotherapy M**

Old code 16577. 5 credit points. Dr Louise Ada, L.Ada@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Prerequisite**: Biomedical Sciences M BIOS 5052. **Assessment**: Sem 1 – Practical examination 10 min (25%), written examination 1.5 hr (40%); sem 2 – written examination 1.5 hr (30%).

Neurological Physiotherapy M aims to develop in students an ability to apply relevant theoretical and data-based scientific findings to clinical practice in the area of movement dysfunction associated with disease and trauma to the nervous system. In first semester, 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 sitting and standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed, and swallowing. In second semester, this unit introduces the impairments and disability arising from long-term conditions of the nervous system such as Guillain Barré 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. In addition, analysis of the rehabilitation environment and strategies to increase the amount of practice carried out will be covered.

### PHTY 5149 **Paediatric Physiotherapy M**

Old code 16578. 3 credit points. Ms Jane Butler, J.Butler@fhs.usyd.edu.au; Ms Genevieve Dwyer, G.Dwyer@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Prerequisite**: Cardiopulmonary Physiotherapy M1 PHTY 5141, Musculoskeletal Physiotherapy M1 PHTY 5140. **Corequisite**: Neurological Physiotherapy M PHTY 5148, Cardiopulmonary Physiotherapy M2 PHTY 5146. **Assessment**: Sem 1 & 2 – tutorial resource (group assessment) 45%; sem 2 – viva exam 15 min (individual assessment) 55%.

The aim of this unit of study is to give the students the opportunity to consolidate their understanding of the musculoskeletal, cardiopulmonary and neurological systems and be able to apply this knowledge to paediatric physiotherapy. Students will be made aware of the changes that occur from infancy through to adulthood in motor, musculoskeletal and cardiopulmonary development. In addition, students will address issues related to assessment and training strategies in children with dysfunction in motor, musculoskeletal and cardiopulmonary systems. Content in this unit of study will be presented in an integrated format utilising the principles of problem-based learning.

*Textbooks*

(Provided as classroom resources)

1.\tBurns YR, MacDonald J (Eds)(1996) Physiotherapy and the Growing Child, London, WB Saunders Co

2.\tCampbell SK, Vander Linden DW, Palisano RJ (Eds) (2000) Physical Therapy for Children, 2nd Ed, Philadelphia, WB Saunders Co

### PHTY 5150 **Community & Occupational Physio M**

Old code 16579. 5 credit points. Dr Eva Schonstein, e.schonstein@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Prerequisite**: Biomedical Sciences BIOS 5052. **Corequisite**: Musculoskeletal Physiotherapy M2 PHTY 5142, Cardiopulmonary Physiotherapy M2 PHTY 5146, Neurological Physiotherapy M PHTY 5148. **Assessment**: Sem 1 – written exam 1 hr (30%), viva exam 10 min (20%); sem 2 – Group seminar (20%), written exam 1 hr (30%).

This unit examines primary health care issues that are pertinent to physiotherapy practice. Semester 1 covers the modules special populations (They include healthy elderly people and those with disease and/or disability; pregnant women; incontinence; people with burn injuries – especially children, people with amputations, with HIV/AIDS, diabetes, mental illness and Aboriginal health issues pertinent to physiotherapy), and infection control. Students will develop their skills in analysing and planning management of patients with multi-system and/or complex problems. This involves in-depth discussion of a small number of case studies in tutorials. Lectures provide extra information to the cases under discussion. Semester 2 covers the modules health promotion, ergonomics and occupational health. The principles and practice of health promotion are explored within a community based framework, with specific reference to the well elderly, and are applied to the role of the physiotherapist 's contribution in a number of healthcare areas. 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.

*Textbooks*

Reference list but no prescribed texts.

### PHTY 5151 **Research Project Support M2**

Old code 16580. 4 credit points. Dr Roger Adams, R.Adams@fhs.usyd.edu.au. **Semester**: Full year. **Classes**: Presented on-campus with regularly scheduled classes held during the day. **Prerequisite**: Research Project Support M1 PHTY 5143 (16572). **Assessment**: Sem 2 – seminar (20%), Thesis (80%).

This unit provides students with the opportunity to undertake a supervised research project in an area of physiotherapy. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. While completing the research and thesis, each student will work closely with their supervisor. 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 students with their ongoing research. It is intended that students will develop their presentation abilities, critical analysis skills and their understanding of the research process.

### PHTY 5152 **Clinical Education M2A**

Old code 16581. 7 credit points. Ms Angela Stark. **Semester**: 1. **Classes**: 185 hours presented off-campus at various clinical sites. **Prerequisite**: Musculoskeletal Physiotherapy M1 PHTY 5140 (16569). **Corequisite**: Cardiopulmonary Physiotherapy M2 PHTY 5141 (16575), Neurological Physiotherapy M PHTY 5148 (16577), Paediatrics M PHTY 5149 (16578). **Assessment**: Continuous assessment.

The student will continue clinical placements in one of the following areas – neurological, cardiopulmonary, or musculoskeletal (outpatient department). 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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 5153 **Clinical Education M2B**

Old code 16582. 7 credit points. Ms Cheryl Hobbs. **Semester**: 2. **Classes**: 185 hours presented off-campus at various clinical sites. **Prerequisite**: Cardiopulmonary Physiotherapy M2 PHTY 5146. **Corequisite**: Neurological Physiotherapy M PHTY 5148 (16577), Musculoskeletal Physiotherapy M2 PHTY 5147, Paediatrics M PHTY 5149 (16578). **Assessment**: Continuous assessment.

The student will continue clinical placements in one of the following areas – neurological, cardiopulmonary, or musculoskeletal (outpatient department). 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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 5154 **Clinical Education M2C**

Old code 16583. 7 credit points. Ms Sharon Faulkner. **Semester**: 2. **Classes**: 185 hours presented off-campus at various clinical sites. **Prerequisite**: Cardiopulmonary Physiotherapy M2 PHTY 5146. **Corequisite**: Neurological Physiotherapy M PHTY 5148 (16577), Musculoskeletal Physiotherapy M2 PHTY 5147, Paediatrics M PHTY 5149 (16578). **Assessment**: Continuous assessment.

The student will continue clinical placements in one of the following areas – neurological, cardiopulmonary, or musculoskeletal (outpatient department). 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. Students will also be responsible for individual and group training programs such as strength and fitness programs.

### PHTY 5155 **Clinical Manipulative Physiotherapy C**

Old code 16584. 12 credit points. Dr Rob Boland, r.boland@fhs.usyd.edu.au. **Semester**: 1. **Prerequisite**: Master of Health Sciences (Sports Physiotherapy). **Assessment**: Assessment will be clinical and practical examinations and seminar presentation.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the

constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic, and spinal or peripheral problems, and younger versus older patients. Skills and knowledge gained within the other units will also be applied during clinical education. Students will also complete a module on manipulation of the cervical and cervicothoracic spines. This will include the theoretical bases as well as the practical skills required.

### PHTY 5156 **Clinical Manipulative Physiotherapy D**

Old code 16585. 12 credit points. Dr Rob Boland, R.Boland@fhs.usyd.edu.au. **Semester**: 2. **Prerequisite**: Master of Heath Sciences (Sports Physiotherapy), Clinical Manipulative Physiotherapy C. **Assessment**: Assessment will be by clinical and practical examinations and seminar presentation.

The aim of this unit is to advance course participants' clinical skills by providing the opportunity to conduct clinical practice in a supervised and supportive environment, wherein experienced clinicians provide expert feedback to participants. Over the course of the semester, the focus of teaching will evolve so that each component of the assessment and treatment interaction between therapist and patient will receive attention. Within the constraints of the patient demographic for each hospital unit, participants will have the opportunity to receive feedback and be evaluated while managing individual caseloads of acute to chronic, and spinal or peripheral problems, and younger versus older patients. Skills and knowledge gained within the other subjects will also be applied during clinical education. Students will also complete a module on manipulation of the limbar spine. This will include the theoretical bases as well as the practical skills required.

### PHTY 5157 **Clinical Sports Physiotherapy C**

Old code 16586. 12 credit points. Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Semester**: 1. **Prerequisite**: Must have completed Master of Health Science (Manipulative Physiotherapy). **Assessment**: Assessment will include clinical exams, seminar presentations and written reports.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury. The focus of this unit is on musculoskeletal disorders of the upper body sustained in sports contexts. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. Students will be required to complete clinical hours equivalent to three half days per week. In addition there will be an academic component, which will involve on-campus attendance at classes.

### PHTY 5158 **Clinical Sports Physiotherapy D**

Old code 16587. 12 credit points. Dr Leslie Nicholson, L.Nicholson@fhs.usyd.edu.au. **Semester**: 2. **Prerequisite**: Must have completed Master of Health Science (Manipulative Physiotherapy). **Assessment**: Assessment will include clinical exams, seminar presentations and written reports.

This unit will provide the opportunity for students to integrate their knowledge gained in other units in this course, and their previous clinical knowledge and skills, with new approaches to the management of the person with a sports injury in the lower body. Clinical learning opportunities will be provided in a variety of spheres of sports physiotherapy practice, including different age groups and different types of sport, and ranging from acute on-field management to procedures designed to prevent injury or effectively deal with chronic or recurring injuries. This unit will have on-campus hours and will require considerable off campus commitment. Students will also complete a module which will require further investigation of selected clinical presentations.

### PHTY 5159 **Structuring & Managing Clinical Education Placements**

Old code 16588X. 6 credit points. Prof Joy Higgs, J.Higgs@fhs.usyd.edu.au; Ms Cheryl Hobbs, c.hobbs@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Distance and one to two on campus block workshops. **Assumed knowledge**: Professional practice and teaching experience. **Assessment**: Workplace project – Reflective diary on experiences in organisation and administration of your clinical placement OR A practical guide for organising your clinical placement (70%) Participation in on campus workshop OR Essay on clinical education management (30%).

Within the overall curriculum framework planned by the university school where the students are enrolled, fieldwork and clinical educators face the task of designing, implementing and evaluating clinical/fieldwork practicums/placements. They need to liaise with the relevant educational and fieldwork/clinical institutions. This unit will focus on the practical aspects of structuring and organising clinical placements. It will deal with the various organisational, interpersonal, and administrative aspects of this challenging task. Part of the learning will entail reflecting on the participants' experience in conducting clinical education and exploring new strategies for structuring their clinical education/fieldwork placements. This will be supplemented by an on campus workshop and independent learning based on readings and self-directed learning activities.

### PHTY 5162 **Management of Physiotherapy Practice**

Old code 16591X. 3 credit points. Dr Louise Ada. **Semester**: 2. **Classes**: Off campus delivery. **Assessment**: Written assignment 1,000 wd 60%, Seminar 15 min (40%).

This unit of study will provide a forum for guided discussion on aspects important to physiotherapy practice. Areas to be discussed include human resource management, financial systems analysis, marketing and advertising, conflict resolution, business ethics and legal responsibilities of the physiotherapy practitioner. The unit will involve a series of lectures from recognized experts in the field, together with open interviews and discussions with successful physiotherapy practitioners both from private and public settings. The unit will be assessed by written report and group seminar.

### PHTY 5163 **Physiotherapy Management in Pulmonary Rehabilitation**

Old code 16592X. 6 credit points. Dr Jenny Alison, J.Alison@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus, web-based. **Assessment**: Two assignments 25% each, 50% written examination.

This unit of study examines the management of patients referred for pulmonary rehabilitation. Topics covered will be assessment of respiratory function, assessment of exercise capacity, the acute physiological responses exercise, exercise prescription for both endurance and strength training; physiological responses to exercise training; measurement of quality of life; use of outcome measures in re-evaluation. In addition issues of smoking cessation and patient education will be addressed. Students will be required to evaluate research literature for evidence to support the implementation of components of pulmonary rehabilitation.

### PHTY 5164 **Ultrasound for Physiotherapists**

Old code 16593. 6 credit points. Dr Debra Shirley, d.shirley@fhs.usyd.edu.au. **Semester**: 1. **Assessment**: Assignment, written exam, practical exam.

This unit of study aims to introduce graduate physiotherapists to the use of real time ultrasound in the visualization and assessment of musculoskeletal structures. Students will be assisted in learning by the integration of the principles of real time scanning, appearances of anatomy as displayed in ultrasound images, and instruction in equipment controls. While the emphasis will be on the use of ultrasound for biofeedback, some common diagnostic procedures such as rotator cuff sonography will be introduced to provide a basic appreciation of normal and pathological findings. Students will be expected to undertake some independent learning. Practical sessions will provide the opportunity for hands-on scanning with experienced tutors.

### PHTY 6014 **Research Thesis A**

Old code 16503A. **Semester**: 1.

The successful submission of a research thesis is the ultimate objective of the course. This process will necessitate a collaborative endeavour between the student and the supervisor and will involve the student's advisory committee.

Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. This preparatory work would be designed to optimally prepare each student for the research thesis. It could consist of some or all of the following components:

1. Enabling research elective unit(s), which allow the student to pursue an area of study related to the development of

knowledge and skills in specific area(s) of research methods and/or statistical analyses.
2. Thesis discussion workshops which are designed to orient students to study at master's level, support the development of a research proposal, to exchange and test ideas pertaining to the research proposal, to report on work in progress, to defend procedures to be used in the research project and to support specific sections of the research thesis.

### PHTY 6015 **Research Thesis B**

Old code 16503B. **Semester**: 2.

The successful submission of a research thesis is the ultimate objective of the course. This process will necessitate a collaborative endeavour between the student and the supervisor and will involve the student's advisory committee.

Students may be required (in consultation with the Head of School, Course Coordinator and/or research supervisors), to undertake one or two enabling research elective units and/or participate in thesis workshop discussion sessions to support the development of their research project proposal and thesis. This preparatory work would be designed to optimally prepare each student for the research thesis. It could consist of some or all of the following components:

1. Enabling research elective unit(s), which allow the student to pursue an area of study related to the development of knowledge and skills in specific area(s) of research methods and/or statistical analyses.
2. Thesis discussion workshops which are designed to orient students to study at master's level, support the development of a research proposal, to exchange and test ideas pertaining to the research proposal, to report on work in progress, to defend procedures to be used in the research project and to support specific sections of the research thesis.

# Yooroang Garang: School of Indigenous Health Studies

## ■ Graduate Studies in Indigenous Community Health

The Graduate courses in Indigenous Community Health aim to provide people currently working, or intending to work, in the field of Indigenous Community Health with core knowledge and skills appropriate to maintaining health, preventing diseases and promoting the well-being of Indigenous people. Project Based and Research Based pathways contain many elective choices to enable students to develop their professional and research skills.

### Project based pathway

This course provides a broad, multidisciplinary learning experience in core areas of community health theory and practice, as well as opportunities of specialist study. Flexibility is one of the main features of the program. The Project Based pathway, through the Project Series of units of study, provides a range of opportunities for students to improve their areas of professional interest.

### Research based pathway

This course focuses on the development of research pathway through a consecutive series of research electives and research projects. Students in this course will be introduced to a range of research methods applicable to health science research.

## ■ Graduate Certificate of Health Science (Indigenous Community Health)

This course will provide students with the relevant skills and attributes that are required for work in Indigenous context. The course focuses on the health needs of Indigenous people and their communities. The opportunity for choice of electives provides students with flexibility and ability to select subjects relevant to their professional development needs.

### Admission requirements

- have completed undergraduate diploma or degree in health science or relevant areas; or
- evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate studies.

### Course outline

The course outline for the Graduate Certificate of Health Science (Indigenous Community Health) is presented in Table 19.61.

Table 19.61: Graduate Certificate of Health Science (Indigenous Community Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0715: full-time off-campus, minimum 1 semester<br>Course code 0716: part-time off-campus, minimum 2 semesters<br>Award total: 24 credit points | | | |
| **Part-time mode** | | | |
| **■ Year 1** | | | |
| **Core units** | | | |
| **AHCD 5052** | *07552X* | Introduction to Indigenous Community Health | 6 |
| **AHCD 5054** | *07554X* | Introduction to Research and Evaluation in Indigenous Health | 6 |
| Plus | | | |
| **Semester 1** | | | |
| Elective[1] or Research Elective[2] | | | 6 |
| **Semester 2** | | | |
| Elective[1] or Research Elective[2] | | | 6 |

**■ Notes**

1. Project-based pathway. At least one elective must be chosen from electives offered by Yooroang Garang: School of Indigenous Health Studies. This portion provides students with the relevant skills and attributes that are required for work in Indigenous context.
2. Research-based pathway. This option introduces students to the development of research proposal through the study of research methodologies applied to health science research.

## ■ Graduate Diploma of Health Science (Indigenous Community Health)

This course enables students to apply theory to practice in Indigenous health settings. The graduate Diploma provides students with the opportunity of pursuing a project-based option or a number of specialist electives in various streams.

### Admission requirements

- have completed degree in health science or other relevant areas; or evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate studies, and
- a minimum of two years work experience in areas of health and related fields.

### Course outline

The course outline for the Graduate Diploma of Health Science (Indigenous Community Health) is presented in Table 19.62.

Table 19.62: Graduate Diploma of Health Science (Indigenous Community Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0717: full-time, off-campus, minimum 2 semesters<br>Course code 0718: part-time, off-campus, maximum 4 semesters<br>Award total: 36 credit points | | | |
| **Part-time mode** | | | |
| **■ Year 1** | | | |
| **Core units** | | | |
| **AHCD 5052** | *07552X* | Introduction to Indigenous Community Health | 6 |
| **AHCD 5054** | *07554X* | Introduction to Research and Evaluation in Indigenous Health | 6 |
| Plus | | | |
| **Semester 1** | | | |
| Elective[1] or Research Elective[2] | | | 6 |
| **Semester 2** | | | |
| Elective[1] or Research Elective[2] | | | 6 |
| **■ Year 2 Option 1: Project-based pathway** | | | |
| **Semester 1** | | | |
| **AHCD 5041** | *07541/ 07541X* | Project Development | 6 |

Table 19.62: Graduate Diploma of Health Science (Indigenous Community Health) (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **Semester 2** | | | |
| **AHCD 5042** | *07542/ 07542X* | Project Management | 6 |
| ■ **Year 2 Option 2: Research-based pathway** | | | |
| **AHCD 5056** | *07556X* | Integrative paper | 12 |

**Notes**

1. Project-based pathway. At least one elective must be chosen from electives offered by Yooroang Garang: School of Indigenous Health Studies. This portion provides students with the relevant skills and attributes that are required for work in Indigenous context.
2. Research-based pathway. This option introduces students to the development of research proposal through the study of research methodologies applied to health science research.

# ■ Master of Health Science (Indigenous Community Health) Pass course

This course enables students to develop advanced knowledge, skills and understanding of project evaluation and research in Indigenous health. The course is offered in a flexible mode and accommodates individual approaches to learning.

### Admission requirements

- have completed degree in health science or other relevant areas; or
- evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate studies, and
- a minimum of two years work experience in areas of health and related fields.

### Course outline

The course outline for the Master of Health Science (Indigenous Community Health) is presented in Table 19.63.

Table 19.63: Master of Health Science (Indigenous Community Health) Pass course

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0719: full-time, off-campus, minimum 2 semesters<br>Course code 0720: part-time, off-campus, maximum 4 semesters<br>Award total: 48 credit points | | | |
| **Part-time mode** | | | |
| ■ **Year 1 core units** | | | |
| **AHCD 5052** | *07552X* | Introduction to Indigenous Community Health | 6 |
| **AHCD 5054** | *07554X* | Introduction to Research and Evaluation in Indigenous Health | 6 |
| Plus | | | |
| ■ **Year 1 Option 1: Project-based pathway** | | | |
| **Semester 1** | | | |
| **AHCD 5041** | *07541/ 07541X* | Project Development | 6 |
| **Semester 2** | | | |
| **AHCD 5042** | *07542/ 07542X* | Project Management | 6 |
| ■ **Year 1 Option 2: Research-based pathway** | | | |
| **Semester 1** | | | |
| Elective[1] or Research Elective[2] | | | 6 |
| **Semester 2** | | | |
| Elective[1] or Research Elective[2] | | | 6 |
| ■ **Year 2 Option 1: Project-based pathway** | | | |
| **Semester 1** | | | |
| **AHCD 5068** | *07568X* | Project Evaluation (Theory) | 6 |
| Elective[1] or Research Elective[2] | | | 6 |
| **Semester 2** | | | |
| **AHCD 5069** | *07569X* | Project Evaluation (Practice) | 6 |
| **AHCD 5043** | *07543X* | Project Report | 6 |



Table 19.63: Master of Health Science (Indigenous Community Health) Pass course (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| OR<br>4 Electives or Research Electives[3] | | | 24 |
| ■ **Year 2 Option 2: Research-based pathway** | | | |
| **Semester 1** | | | |
| **AHCD 5056** | *07556X* | Integrative paper | 12 |
| **Semester 2** | | | |
| **AHCD 5057** | *07557X* | Literature Critique | 12 |

**Notes**

1. Project based pathway. At least one elective must be chosen from electives offered by Yooroang Garang: School of Indigenous Health Studies. This portion provides students with the relevant skills and attributes that are required for work in Indigenous context.
2. Research based pathway. This option introduces students to the development of research proposal through the study of research methodologies applied to health science research.
3. See course coordinator for elective choices.

# ■ Master of Health Science (Indigenous Community Health) Honours

This course of study enable students to consolidate their Integrative Paper and critically review the literature in their topic area into a supervised research project. To complete their research thesis each student works with an academic staff who serves as their supervisor.

### Admission requirements

- have completed a degree in health science or other relevant areas; or
- evidence of equivalent professional qualification and/or experience to demonstrate the capacity to pursue graduate studies, and
- a minimum of two years work experience in areas of health and related fields.

Candidates in the MHlthSc(ICH) who have achieved a 65% credit average or better in all units of study and a 75% Distinction or better in at least two units of study may be invited to complete the additional Honours requirement of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issues through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem. An Honours candidate will be required to enroll in the Honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester.

### Course outline

The course outline for the Master of Health Science (Indigenous Community Health) Honours is presented in Table 19.63.1.

Table 19.63.1: Master of Health Science (Indigenous Community Health) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0721: full-time, off-campus, minimum 3 semesters<br>Course code 0722: part-time, off-campus, maximum 6 semesters<br>Award total: 60 credit points | | | |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course (see Table 19.63) | | | |
| ■ **Year 3** | | | |
| **AHCD 5055** | *07555X* | Dissertation | 12 |

### Indigenous Community Health project-based pathway electives

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **■ 1. Electives** | | | |
| The following elective units may be offered subject to staff availability. Electives from other courses in the University may be taken by students. Contact the School on phone (02) 9351 9497 to discuss options. For more electives see chapter 21. | | | |
| **Semester 1** | | | |
| **AHCD 5038** | *07538X* | Indigenous Health: Social, Economic and Cultural Context | 6 |
| **AHCD 5041** | *07541/ 07541X* | Project Development | 6 |
| **AHCD 5066** | *07566X* | Independent Learning B | 6 |
| **Semester 2** | | | |
| **AHCD 5002** | *07502/ 07502X* | Program Planning and Evaluation | 6 |
| **AHCD 5042** | *07542/ 07542X* | Project Management | 6 |
| **AHCD 5043** | *07543X* | Project Report | 6 |
| **AHCD 5060** | *07560X* | Community Development B | 6 |
| **AHCD 5063** | *07563X* | Housing and Health B | 6 |
| **AHCD 5065** | *07565X* | Injury Prevention B | 6 |
| **Offered in both semesters** | | | |
| **AHCD 5033** | *07533X* | Cultural Awareness for Indigenous Health | 6 |
| **AHCD 5039** | *07539X* | Health Promotion | 6 |
| **AHCD 5053** | *07553X* | Social Justice and Indigenous Health | 6 |
| **AHCD 5058** | *07558X* | Art and Media in Indigenous Health Promotion | 6 |
| **AHCD 5059** | *07559X* | Alcohol and Other Drugs B | 6 |
| **AHCD 5061** | *07561X* | Indigenous Family Health B | 6 |
| **AHCD 5062** | *07562X* | Indigenous Mental Health B | 6 |
| **AHCD 5064** | *07564X* | Strategic Planning B | 6 |
| **AHCD 5067** | *07567* | Issues in Community Mental Health B | 6 |
| **AHCD 5068** | *07568X* | Project Evaluation (Theory) | 6 |
| **AHCD 5069** | *07569X* | Project Evaluation (Practice) | 6 |
| **■ 2. Research electives** | | | |
| Students will select with the aid of their supervisor appropriate research electives from the Faculty-wide master's research electives: see chapter 21. | | | |

# ■ Master of Applied Science (Indigenous Community Health) by research

### Admission requirements

This course provides the opportunity for research in Indigenous Community Health.

- Have completed a bachelor degree in an area of relevance such as health, welfare, social, behavioural or biological sciences; or
- Submit such other evidence of general and professional qualifications and experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue independent research, and
- In addition, meet any other requirements for admission to the program as may be prescribed.

### Course outline

The course outline for the Master of Applied Science (Indigenous Community Health) by Research is presented in Table 19.64.

### Table 19.64 Master of Applied Science (Indigenous Community Health) by Research

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 0708: full-time, minimum 1.5 years, maximum 2 years<br>Course code 0709: part-time, minimum 3 years, maximum 4 years | | | |
| **Full-time mode** | | | |
| **■ Year 1 (and subsequent years)** | | | |
| **Semester 1** | | | |
| **AHCD 6001** | *07601A* | Research Thesis | |
| **Semester 2** | | | |
| **AHCD 6002** | *07602B* | Research Thesis | |

### Table 19.64 Master of Applied Science (Indigenous Community Health) by Research (continued)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **Part-time mode** | | | |
| **■ Year 1 (and subsequent years)** | | | |
| **Semester 1** | | | |
| **AHCD 6001** | *07601A* | Research Thesis | |
| **Semester 2** | | | |
| **AHCD 6002** | *07602B* | Research Thesis | |

# ■ Indigenous Community Health units of study

### AHCD 5002 **Program Planning and Evaluation**

Old code 07502/07502X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: External/distance mode.

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

### AHCD 5033 **Cultural Awareness for Indigenous Health**

Old code 07533X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### AHCD 5038 **Indigenous Health: Social, Economic and Cultural Context**

Old code 07538X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1. **Classes**: External/distance mode.

This unit examines the relationship between social inequality and the distribution of health in societies with particular reference to the Indigenous population. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

### AHCD 5039 **Health Promotion**

Old code 07539X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### AHCD 5041 **Project Development**

Old code 07541/07541X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1. **Classes**: External/distance mode.

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

### AHCD 5042 **Project Management**

Old code 07542/07542X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: External/distance mode.

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

### AHCD 5043 **Project Report**

Old code 07543X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: External/distance mode.

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

### AHCD 5052 Introduction to Indigenous Community Health

Old code 07552X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### AHCD 5053 Social Justice and Indigenous Health

Old code 07553X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### AHCD 5054 Introduction to Research and Evaluation in Indigenous Health

Old code 07554X. 6 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Distance Mode, approximately 156 hours or 12 hours per week. **Assessment**: Essay and action plan.

This unit provides an introduction to approaches in Indigenous research and evaluation, as well as major ethical issues in Indigenous health contexts. It involves an examination of the social, economic, and political constructions of Indigenous Australia. Some of the issues addressed include protocols, collaboration, dissemination of outcomes and their implication, questions of intellectual property, ownership, research, evaluation and development for self-determination. Particular emphasis will be placed on a critical analysis of existing research and evaluation practices and procedures as they impact and influence Aboriginal and Torres Strait Islander populations.

*Textbooks*

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

### AHCD 5055 Dissertation

Old code 07555X. 12 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Distance Mode. Off campus independent learning. Approximately 312 hours or 24 hours per week. **Prerequisite**: Normally students undertaking the Dissertation will have completed 48 credit points. **Assessment**: Written dissertation.

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

*Textbooks*

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

### AHCD 5056 Integrative paper

Old code 07556X. 12 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Distance mode, approximately 312 hours or 24 hours per week. **Assessment**: Written essays.

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

*Textbooks*

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

### AHCD 5057 Literature Critique

Old code 07557X. 12 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Distance mode, approximately 312 hours or 24 hours per week. **Assessment**: Annotated Bibliography and literature review.

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

*Textbooks*

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

### AHCD 5059 Alcohol and Other Drugs B

Old code 07559X. 6 credit points. **Semester**: 1, 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5012 (07512X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

This unit introduces students to the issues surrounding drug and substance abuse in Indigenous and non Indigenous communities. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop knowledge of the variety of approaches to drug use and abuse including rehabilitation strategies and police and court practices.

### AHCD 5060 Community Development B

Old code 07560X. 6 credit points. **Semester**: 2. **Classes**: Off campus. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5020 (07520X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

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

### AHCD 5061 Indigenous Family Health B

Old code 07561X. 6 credit points. **Semester**: 1, 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5022 (07522X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

The purpose of this unit is to describe the Family Health within the context of Aboriginal culture and holistic approach to intervention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

### AHCD 5062 Indigenous Mental Health B

Old code 07562X. 6 credit points. **Semester**: 1, 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5023 (07523X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

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

### AHCD 5063 Housing and Health B

Old code 07563X. 6 credit points. **Semester**: 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5030 (07530X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

The aim of this unit is to provide students with skills in examining health within the living environment. The aim is to equip students with knowledge and skills in order to examine, evaluate and survey present living conditions within the broad definition of health. The unit will enable students to plan, develop and implement housing intervention strategies for health. In this unit students, using management tools, are practically engaged in the management of a project in areas of health and health care system.

### AHCD 5064 **Strategic Planning B**

Old code 07564X. 6 credit points. **Semester**: 1, 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: Not offered in 2004. A 4 credit point version of this unit of study [AHCD 5031 (07531X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

Strategic planning is vital for the future of health organisations as well as business and government agencies. This elective is designed to provide health professionals with a model and set of tools in order to develop a long range strategic plan for an organisation. Students may use this opportunity to support the writing of a strategic plan for an organisation to which they belong.

### AHCD 5065 **Injury Prevention B**

Old code 07565X. 6 credit points. **Semester**: 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5035 (07535X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

This unit introduces students to the basic principles of injury control within a community health framework. Students will gain the skills and knowledge to understand injury as a preventable problem, identify data sources and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non Indigenous contexts.

### AHCD 5066 **Independent Learning B**

Old code 07566X. 6 credit points. **Semester**: 1. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5036 (07536X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

The aim of this unit is to provide the students with opportunities in exploring areas of studies which are not covered by the other unit topics, either in depth or meet their needs. It will help the students to explore a context in which their skills, independent learning interests learning objectives could come together.

### AHCD 5067 **Issues in Community Mental Health B**

Old code 07567. 6 credit points. **Semester**: 1, 2. **Classes**: External/ Distance Mode. **Assessment**: Negotiated learning contract.

*NB: A 4 credit point version of this unit of study [AHCD 5010 (07510X)] is also available. See Postgraduate Electives chapter of the handbook for more information.*

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

### AHCD 5068 **Project Evaluation (Theory)**

Old code 07568X. 6 credit points. **Semester**: 1, 2. **Classes**: External/ Distance Mode.

Students examine the theoretical base and underlying assumptions, strengths, limitations, and suitability of evaluation theories and models. They also explore a range of evaluation tools and consider different approaches to investigating services/ programs/projects in health and community settings.

### AHCD 5069 **Project Evaluation (Practice)**

Old code 07569X. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning. **Prerequisite**: Project Evaluation (Theory) AHCD 5068 (07568X).

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

### AHCD 6001 **Research Thesis**

Old code 07601A. Enquiries (02) 9351 9393. **Semester**: 1. **Classes**: Independent learning.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

### AHCD 6002 **Research Thesis**

Old code 07602B. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Independent learning.

A supervisor is appointed to assist the student in carrying out the research project following approval of the research proposal. Regular meetings are held with the supervisor. Students may be required by the supervisor and/or Head of School to undertake graduate coursework where this is considered necessary to the student's research thesis.

# 20 Singapore postgraduate courses

The chapter provides detailed course information for the Master's programs offered in Singapore. The off-shore (Singapore-based) programs are conducted by the Faculty of Health Sciences in conjunction with the Singapore Institute of Management. Graduates from the program will graduate with a University of Sydney award. The ongoing responsibility for managing the courses lies with the Faculty of Health Sciences. The role of the Singapore Institute of Management is to provide a vehicle for implementing the courses. Off-shore students should note that the semesters outlined in the Tables and the units of study section refer to The University of Sydney academic year. That is, Semester 1 is February to June and Semester 2 is July to December. All off-shore programs commence in Semester 2. Students enrolled in the off-shore programs are required to undertake a unit of study in the semester designated for the off-shore curriculum (as per course outline tables).

The program structure for the Master's in Child and Adolescent Health, Education and Gerontology will be four core units and four electives. The core units will be offered as distance education units and, in addition, each core unit will have 16 hours of face-to-face contact with a content specialist. The electives are to be offered as distance education/on-line offerings only.

## ■ Master of Health Science (Child and Adolescent Health)

*Off-shore (Singapore-based)*

This course allows students who have some background in the health professions and/or relevant disciplines to gain specialised knowledge in child and adolescent health. The program will allow students to gain considerable contemporary knowledge in the application of psychology to child and adolescent health issues. The units aim to produce health professionals who are aware of, and can critically evaluate, and integrate into their work practice, culturally relevant, scientific, and methodologically sound research evidence in child and adolescent health. The electives give students the opportunity to develop discipline-based knowledge and research skills (including qualitative and quantitative data analysis) and an understanding of selected key issues in development and developmental psychopathology in a social and cultural context.

### Admission requirements

In order to qualify for admission to this course, applicants shall have:

(i) A bachelor degree with a major in anthropology, sociology or psychology; or
(ii) A bachelor degree in social work; or
(iii) An approved bachelor degree in a health profession with satisfactory performance in behavioural sciences; or
(iv) Evidence of general and/or professional qualifications where the prospective candidate can satisfy the Faculty that she or he possesses expertise equivalent to (i), (ii), or (iii).

Articulation into the Master of Health Science (Child and Adolescent Health) Honours course is contingent upon the student achieving an overall credit average and distinction in at least two units of study in the Master of Health Science (Child and Adolescent Health) Pass course.

### Course outline

The course outline for graduate coursework studies in Child and Adolescent Health is presented in Tables 20.1 and 20.1.1.

Table 20.1: Master of Health Science (Child and Adolescent Health)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2020: part-time, two years, Semester 2 start<br>Award total: 48 credit points | | | |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 2** | | | |
| **BACH 5186** | *25560* | Graduate Skills for Professional Development | 6 |
| **BACH 5321** | *2559RX* | Psychology for Graduate Students | 6 |
| **Semester 1** | | | |
| **BACH 5313** | *2559J/ 2559JX* | Child and Adolescent Psychology | 6 |
| Elective from group 1 | | | 6 |
| ■ **Year 2** | | | |
| **Semester 2** | | | |
| **BACH 5063** | *2552G* | Therapy with Children, Adolescents and their Families | 6 |
| Elective from group 2 | | | 6 |
| **Semester 1** | | | |
| 2 Electives from group 3 | | | 12 |
| **Electives** | | | |
| **Group 1. Choose any one elective** | | | |
| **BACH 5138** | *2554K/ 2554KX* | Abnormal Psychology and Mental Health | 6 |
| **BACH 5143** | *2554P/ 2554PX* | Counselling | 6 |
| **BACH 5198** | *2556C* | Contemporary Issues I | 6 |
| **BACH 5268** | *2558A/ 2558AX* | Developing a Research Project | 6 |
| **Group 2. Choose any one elective** | | | |
| **BACH 5070** | *2552N* | Family and Caring in the Community | 6 |
| **BACH 5138** | *2554K/ 2554KX* | Abnormal Psychology and Mental Health | 6 |
| **BACH 5143** | *2554P/ 2554PX* | Counselling | 6 |
| **BACH 5198** | *2556C* | Contemporary Issues I | 6 |
| **BACH 5323** | *2559T* | Advanced Counselling Skills | 6 |
| **Group 3. Choose any two electives** | | | |
| **BACH 5138** | *2554K/ 2554KX* | Abnormal Psychology and Mental Health | 6 |
| **BACH 5143** | *2554P/ 2554PX* | Counselling | 6 |
| **BACH 5198** | *2556C* | Contemporary Issues I | 6 |
| **BACH 5268** | *2558A/ 2558AX* | Developing a Research Project | 6 |

Table 20.1.1: Master of Health Science (Child and Adolescent Health) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2021: Honours part-time, one semester<br>Award total: 60 credit points | | | |
| **Part-time mode** | | | |
| ■ **Year 1 and Year 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours** | | | |
| Complete a dissertation, worth 12 credit points. The dissertation should be on a topic covered in one of the units for which the student has earned at least a grade of Distinction. | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

# ■ Master of Health Science (Education)

*Off-shore (Singapore-based)*

Health Science Education refers to the theory and practice of teaching and learning undertaken by health professionals in a variety of contexts across the health sciences, including undergraduate and postgraduate teaching and clinical education; staff development and continuing professional education; and, patient and community health education. Studies in this specialist area have been offered by the Faculty of Health Sciences since 1989.

The Health Science (Education) program is designed to give an additional professional qualification as a teacher *facilitating student learning* and as a *manager* of education programs, including *curriculum leadership* and *scholarly inquiry* into teaching and learning.

People who enrol in this program are current or aspiring teachers from medicine and the allied health fields including nursing, physiotherapy, occupational therapy, orthoptics, communication disorders, medical radiation sciences, exercise and sports science, social work, pharmacy, podiatry, dental therapy, and health information management, and the complimentary therapies including homoeopathy, chiropractic and acupuncture.

Teachers from across the health professions work as academics and tutors in universities and colleges, educational designers for flexible and distance delivery of learning, clinical teachers and supervisors in fieldwork settings, nurse educators and clinical nurse specialists in public and private hospitals and the armed services, managers and training officers in human resource development units and pharmaceutical and medical supply companies, education officers in professional associations, patient educators and community health educators.

The extent of the interdependence between education and health is illuminated by Tones' (1987) well known phrase 'Education for Health'. This succinctly captures why education is congruent with the nature of service delivery and has resulted in the professionalisation of teaching across the health sector. In keeping with the diversity of teaching possibilities, the Health Science (Education) program is designed to enable career portability between the different fields of education; in turn, this promotes common cause amongst educators across the health arena.

The curriculum is conceptualised around a professional practice model of teaching derived from the key roles an educator has in any educational institution or health service organisation, and the competencies required to undertake these roles effectively through scholarship and best practice.

The course structure for this award reflects the need for educators to first understand the processes of teaching and learning from both a theoretical and practical perspective, in order to positively influence and manage educational practice in the many settings of education for health. The four core units provide a foundation in the theory of adult education and design for effective learning. The electives provide opportunities for participants to focus on streams of study relevant to the educational contexts and modes of educational delivery across the health sciences. Participants learn about teaching across four main specialties: student and clinical education, inservice and continuing education; technology based and distance education; patient and health education.

### Admission requirements

(i) A Bachelor degree in a health science field or other relevant area; or

(ii) submit other evidence of general and professional qualifications and/or experience, as well as satisfy the Faculty that the applicant possesses the educational capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, if any, as may be prescribed by the Faculty; and

(iii) have completed at least one year full-time practice as a health science professional. Current or recent experience in teaching is considered desirable.

### Course outline

The course outline for the Master of Health Science (Education) is presented in the Table 20.2.

Table 20.2: Master of Health Science (Education)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2019: part-time, two years, Semester 2 start<br>Award total: 48 credit points | | | |
| **Part-time mode** | | | |
| **■ Year 1** | | | |
| **Semester 2** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5186** | *25560* | Graduate Skills for Professional Development | 6 |
| **Semester 1** | | | |
| **BACH 5002** | *25501/ 25501X* | Educational Design | 6 |
| Elective from group 1 | | | 6 |
| **■ Year 2** | | | |
| **Semester 2** | | | |
| **BACH 5003** | *25502/ 25502X* | Facilitating Learning | 6 |
| Elective from group 2 | | | 6 |
| **Semester 1** | | | |
| 2 Electives from group 3 | | | 12 |
| **Electives** | | | |
| **Group 1. Choose any one elective** | | | |
| **BACH 5020** | *25519X* | Introduction to Educational Computing | 6 |
| **BACH 5085** | *25533/ 25533X* | Clinical Teaching and Supervision | 6 |
| **BACH 5153** | *25552/ 25552X* | Assessment of Learning | 6 |
| **BACH 5284** | *2558Q* | Learning in the Workplace | 6 |
| **Group 2. Choose any one elective** | | | |
| **BACH 5007** | *25506/ 25506X* | Curriculum Leadership | 6 |
| **BACH 5024** | *2551DX* | In-Service and Continuing Education in Health Services | 6 |
| **BACH 5025** | *2551EX* | Patient Education | 6 |
| **BACH 5042** | *2551V/ 2551VX* | Teaching Clinical Reasoning | 6 |
| **BACH 5116** | *2553Y/ 2553YX* | Developing a Web-based Education System | 6 |
| **Group 3. Choose any two electives** | | | |
| **BACH 5020** | *25519X* | Introduction to Educational Computing | 6 |
| **BACH 5085** | *25533/ 25533X* | Clinical Teaching and Supervision | 6 |
| **BACH 5153** | *25552/ 25552X* | Assessment of Learning | 6 |
| **BACH 5284** | *2558Q* | Learning in the Workplace | 6 |

# ■ Master of Health Science (Education) Honours

This course offers the opportunity for educators in the health sciences who have completed the Master of Health Science Education to have the master degree awarded with honours following the completion of a dissertation. The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem. An honours candidate will be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 12 credit points and will normally be completed within one semester.

### Admission requirements

(i) Have completed the requirements for the Master of Health Science Education with at least 65 per cent pass or better in all units of study and a 75 per cent pass or better in at least two units of study.

### Course outline

The course outline for the Master of Health Science (Education) Honours by Coursework is presented in Table 20.2.1.

Table 20.2.1: Master of Health Science (Education) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2022: Honours part-time, one semester<br>Award total: 60 credit points | | | |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

# ■ Master of Health Science (Gerontology)

*Off-shore (Singapore-based)*

This course offers professional development for practitioners whose work requires understanding of individual and population ageing. Graduates are equipped to occupy senior positions in management, policy, planning, education, research, clinical or other service delivery settings.

The course structure reflects the need for professionals to understand the theoretical basis of gerontology and its application in specialised areas of knowledge about ageing and older people. To this end, participants undertake four core units of study and a choice of specialist electives in Gerontology (to a total of 24 credit points).

### Admission requirements

In order to qualify for admission to the degree, applicants shall have:

(i) A bachelor degree in an area of occupational relevance such as the health, welfare, social or biological sciences; or
(ii) Overseas qualifications acceptable to the Faculty; or
(iii) Other general and professional qualifications and/or experience as will satisfy the Faculty that the applicant possesses the educational preparation and capacity to pursue graduate studies, and satisfy such additional requirements for admission to the program, as may be prescribed by Faculty.

### Course outline

The course outlines for the Master of Health Science (Gerontology) by Coursework and Master of Health Science (Gerontology) Honours by Coursework are presented in Table 20.3 and 20.3.1.

Table 20.3: Master of Health Science (Gerontology)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2018: part-time, two years, Semester 2 start<br>Award total: 48 credit points | | | |
| ■ **Year 1** | | | |
| **Semester 1** | | | |
| **BACH 5216** | *2556U* | Behavioural Aspects of Ageing | 6 |
| Elective from group 1 | | | 6 |
| **Semester 2** | | | |
| **BACH 5041** | *2551U* | Introduction to Gerontology | 6 |
| **BACH 5186** | *25560* | Graduate Skills for Professional Development | 6 |
| ■ **Year 2** | | | |
| **Semester 1** | | | |
| 2 Electives from group 3 | | | 12 |
| **Semester 2** | | | |
| **BIOS 5041** | *11502X* | Biological Aspects of Ageing | 6 |
| Elective from group 2 | | | 6 |
| **Electives** | | | |
| **Group 1. Choose any one elective** | | | |
| **BACH 5027** | *2551G* | Mental Health in Later Life | 6 |
| **BACH 5034** | *2551N* | The Residential Care Setting and Older People | 6 |
| **BACH 5038** | *2551R* | The Community Setting and Older People | 6 |
| **BACH 5224** | *25572/ 25572X* | Organisational Management | 6 |
| **Group 2. Choose any one elective** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **Group 3. Choose any two electives** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5027** | *2551G* | Mental Health in Later Life | 6 |
| **BACH 5034** | *2551N* | The Residential Care Setting and Older People | 6 |
| **BACH 5036** | *2551P* | Community Aged Care | 6 |
| **BACH 5038** | *2551R* | The Community Setting and Older People | 6 |
| **BACH 5058** | *2552B/ 2552BX* | Residential Care Policies and Services | 6 |
| **BACH 5224** | *25572/ 25572X* | Organisational Management | 6 |
| **BIOS 5018** | *11433X* | Health, Dysfunction and Ageing | 6 |

Table 20.3: Master of Health Science (Gerontology)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| **BACH 5038** | *2551R* | The Community Setting and Older People | 6 |
| **BACH 5058** | *2552B/ 2552BX* | Residential Care Policies and Services | 6 |
| **BIOS 5018** | *11433X* | Health, Dysfunction and Ageing | 6 |
| **Group 3. Choose any two electives** | | | |
| **BACH 5001** | *25500/ 25500X* | Adult Learning | 6 |
| **BACH 5027** | *2551G* | Mental Health in Later Life | 6 |
| **BACH 5034** | *2551N* | The Residential Care Setting and Older People | 6 |
| **BACH 5036** | *2551P* | Community Aged Care | 6 |
| **BACH 5038** | *2551R* | The Community Setting and Older People | 6 |
| **BACH 5058** | *2552B/ 2552BX* | Residential Care Policies and Services | 6 |
| **BACH 5224** | *25572/ 25572X* | Organisational Management | 6 |

Table 20.3.1: Master of Health Science (Gerontology) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2023: Honours part-time, one semester<br>Award total: 60 credit points | | | |
| **Part-time mode** | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours** | | | |
| **BACH 5263** | *25585/ 25585X* | Dissertation | 12 |

# Master of Health Science (Management)

*Off-shore (Singapore-based)*

The Faculty of Health Sciences offers the Master of Health Science (Management) course to professionals in the health sector of Singapore. The program is designed to develop the management knowledge and skills of a range of professionals employed in the planning and delivery of health services in the Singapore context.

### Admission requirements

(i) A bachelor degree in health sciences from a recognised tertiary institution; and
(ii) A minimum of three years experience in the health services of a kind acceptable to the Dean of the Faculty of Health Sciences; or such qualifications as are deemed to be equivalent to (i) above.

### Course outline

The course outline for the Master of Health Science (Management) is presented in Table 20.4.

Table 20.4: Master of Health Science (Management)

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2013: pass course, two years, Semester 2 start<br>Award total: 48 credit points | | | |
| **Part-time mode** | | | |
| ■ **Year 1** | | | |
| **Semester 2** | | | |
| **SING 5001** | *20501* | Organisational and Managerial Behaviour | 6 |
| **SING 5002** | *20502* | Health Economics | 6 |
| **Semester 1** | | | |
| **SING 5003** | *20503* | Health Service Leadership and Change | 6 |
| **SING 5004** | *20504* | Accounting and Financial Management for Health Service Managers | 6 |
| ■ **Year 2** | | | |
| **Semester 2** | | | |
| **SING 5005** | *20505* | Health Service Marketing | 6 |
| **SING 5006** | *20506* | Strategic Management and Planning | 6 |
| **Semester 1** | | | |
| **SING 5007** | *20507* | Health Sector Human Resource Management and Industrial Relations | 6 |
| **SING 5008** | *20508* | Information and Decision Analysis | 6 |

## Master of Health Science (Management) Honours

A candidate may be invited to enter the master degree award with honours. Candidates with a 65 per cent pass or better in all units of study and a 75 per cent pass or better in at least two units of study may apply to complete the additional honours requirement of a dissertation.

An honours candidate will normally be required to enrol in the honours program no later than the census date of the semester following that in which all coursework is completed. The dissertation will be deemed to be worth 24 credit points and will normally be completed within two semesters.

### Course outline

The course outline for the Master of Health Science (Management) Honours is presented in Table 20.4.1.

Table 20.4.1: Master of Health Science (Management) Honours

| Unit code | Old code | Unit name | CP |
|---|---|---|---|
| Course code 2014: part-time, one semester<br>Award total: 72 credit points | | | |
| ■ **Years 1 and 2** | | | |
| As per Pass course | | | |
| ■ **Year 3 Honours** | | | |
| **SING 5012** | *20509B* | Dissertation | 24 |

# ■ Singapore postgraduate units of study

### BACH 5001 **Adult Learning**

Old code 25500/25500X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: External/distance mode; independent learning packages, email and Internet support. **Assessment**: Assignment based (non exam).

In this unit participants will develop their knowledge about theories of learning, the process of learning, the role of the teacher and learner in health science education, trends in higher education and the context of health science education.

### BACH 5002 **Educational Design**

Old code 25501/25501X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1, 2. **Assessment**: Assignment-based (non exam).

Emphasis in this unit is on the development of basic skills in planning for effective teaching and learning. Participants learn planning skills by undertaking an educational design project.

### BACH 5003 **Facilitating Learning**

Old code 25502/25502X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning package; external/distance mode. Optional three Saturday workshops. **Assumed knowledge**: Some knowledge of Adult Learning Theory and Group Dynamics useful. **Assessment**: Essay and report based (no exam).

The primary function of a teacher is the facilitation of effective learning. Micro skills of teaching and facilitation skills that enable learning from experience are both studied and practiced. The process of reflection is used to illuminate and develop personal style. Knowledge of learning in groups (group dynamics) is useful.

Distance education and on-campus mode with independent learning packages and email support. Both modes are encouraged to attend three Saturday workshops for skills practice.

**Practical**: Videoed practice of teaching skills in campus workshop or participants setting

*Textbooks*

The Skilful Teaching: On techniques, trust and responsiveness in the classroom. Brookfield, S. (1990). San Francisco: Jossey Bass.

### BACH 5007 **Curriculum Leadership**

Old code 25506/25506X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Prerequisite**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Assessment**: Assignment choices include essays or workplace project (no exam).

Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum innovation in the many organisations in which health science educators work.

### BACH 5020 **Introduction to Educational Computing**

Old code 25519X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: External/distance. **Assessment**: Assignment based (non exam).

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education. Participants will learn to apply concepts and skills of educational computing to their own educational settings, and developing a small Web site. (Some basic computer skills would be an advantage).

### BACH 5024 **In-Service and Continuing Education in Health Services**

Old code 2551DX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning packages for all. Email support. **Assumed knowledge**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). BACH 5284 (2558Q) Learning in the workplace is an advantage. **Assessment**: Assignment based (non exam).

This elective aims to provides opportunities for participants to explore the main challenges facing educators delivering inservice and continuing education in the 1990s. The effect of, for example, the training reform agenda, competency-based education, workplace standards, organisational constraints, and flexible delivery modes on the planning, implementation and evaluation of inservice and continuing education are explored.

### BACH 5025 **Patient Education**

Old code 2551EX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Some night classes for on-campus students by arrangement with lecturer. **Assumed knowledge**: Adult Learning is an advantage. **Assessment**: Assignment based (non exam).

*NB: May not be offered in 2004. Check with School.*

Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.

### BACH 5027 **Mental Health in Later Life**

Old code 2551G. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Independent learning package; external/distance mode. **Assessment**: Two assignments.

The unit aims to provide a broad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

### BACH 5034 **The Residential Care Setting and Older People**

Old code 2551N. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; external/distance mode. **Assessment**: Three assignments.

This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff. 3 Modules: Quality of life in residential care; Working in residential care; Managing for quality in residential care.

*Textbooks*

www.fhs.usyd.edu.au/bach/5034

### BACH 5036 **Community Aged Care**

Old code 2551P. 6 credit points. Assoc Professor Cherry Russell, c.russell@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: web based off-campus mode. **Assessment**: continuous.

This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of 'deinstitutionalisation' as a defining feature of contemporary health policy and explores its intended and unintended consequences. It provides opportunity for students to focus on one or more topics of individual interest (eg, a particular service type or practice issue, elder abuse, social isolation, homelessness).

*Textbooks*

www.fhs.usyd.edu.au/bach/5036

### BACH 5038 **The Community Setting and Older People**

Old code 2551R. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web based learning see www.fhs.usyd.edu.au/bach/5038; external/distance mode. **Assessment**: Three assignments.

This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

*Textbooks*

www.fhs.usyd.edu.au/bach/5038

### BACH 5041 Introduction to Gerontology

Old code 2551U. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; off campus mode. **Assessment**: Three assignments.

*NB: www.fhs.usyd.edu.au/bach/5041*

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. 3 Modules: Population ageing and public policy; Understanding health and ageing; Ageing, society and professional practice.

*Textbooks*

Australia's New Aged. McCallum, J Geiselhart, K. (1996). Allen & Unwin.

www.fhs.usyd.edu.au/bach/5041

### BACH 5042 Teaching Clinical Reasoning

Old code 2551V/2551VX. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non-exam).

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

*Textbooks*

Clinical Reasoning in the Health Professions. 2nd Edition. Higgs, J. & Jones, M. (2000). Butterworth Heinneman.

### BACH 5058 Residential Care Policies and Services

Old code 2552B/2552BX. 6 credit points. A/Prof Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web based off-campus mode.

This unit provides an overview of the development and implementation of residential care policies for older Australians and explores specific issues in the delivery of residential aged care services.

*Textbooks*

www.fhs.usyd.edu.au/bach/5058

### BACH 5063 Therapy with Children, Adolescents and their Families

Old code 2552G. 6 credit points. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract learning. **Assessment**: Assignments.

Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.

*Textbooks*

SPSS Analysis Without Anguish. Coakes, S.J. & Steed, L.G. (1999).

### BACH 5070 Family and Caring in the Community

Old code 2552N. 6 credit points. Dr Rosemary Cant (02) 9351 9560. **Semester**: 2. **Classes**: On campus and off campus block mode. **Assessment**: Contribution to tutorials and group work and an individual final report.

This unit of study examines family and community care within the context of social, economic and political processes and structures. The social basis of community care is considered together with an analysis based on a systems approach to understanding family processes when caring work is extensive. The ecological approach locates these families within their social contexts. Particular emphasis is placed on five related questions: why family caring and why now? How is such care distributed? What is policy doing to support carers? How can useful questions be framed about carers' needs and circumstances? And how can health professionals support families in ways which are conductive to the provision of reliable and effective family community care? The nature of community and aspects of Australian community studies relevant to issues of care are considered. Students are encouraged to pursue issues of family and community care in fields of interest encompassing the elderly, families with children with a disability, disabled adolescents and in the mental health area.

### BACH 5085 Clinical Teaching and Supervision

Old code 25533/25533X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non exam).

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

*Textbooks*

Faciliting Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

### BACH 5116 Developing a Web-based Education System

Old code 2553Y/2553YX. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Web-based. **Assumed knowledge**: Basic computer skills. **Assessment**: Assignment based (non exam).

Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop WBES for their own teaching context. This unit will be offered via the World Wide Web.

*Textbooks*

Building a Web-based Education System. McCormack & Jones. (1998). Wiley

### BACH 5138 Abnormal Psychology and Mental Health

Old code 2554K/2554KX. 6 credit points. Dr Chris Lennings (02) 9351 9587. **Semester**: 1, 2. **Classes**: Contract learning (Semester 1); external/distance mode (Semester 2). **Prerequisite**: Undergraduate Psychology units. **Assessment**: Five case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural orders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSM IV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules two and three will involve learning by case studies. The unit is available in Distance Education mode in the Second Semester of each year, and is taught as a series of 6 seminars in Semester 1 of each year. Assessment requires students to complete 5 case studies and conduct a literature review.

*Textbooks*

Abnormal Psychology, 2nd Edition. Barlow (2001).

### BACH 5143 Counselling

Old code 2554P/2554PX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Class attendance required (Semester 1); Distance Learning (Semester 2). **Prerequisite**: Undergraduate Psychology units. **Assessment**: Audio-tape; literature review.

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, out-placement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

*Textbooks*

The Skilled Helper. Egan, G. (2001).

### BACH 5153 Assessment of Learning

Old code 25552/25552X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package for external/distance students. Email support. **Assumed knowledge**: Knowledge of Adult Learning and Educational Design is useful. **Assessment**: Two written assignments.

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to

promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context.

### BACH 5186 Graduate Skills for Professional Development

Old code 25560. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: Contact in off-campus mode. **Assessment**: Assignments.

Participants in this unit of study will develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical analyses, formation of tables and graphs, critical literature review.There will be flexibility in selecting curriculum content to match the background and needs of the particular student.

*Textbooks*

1. The Research Student's Guide to Success. Cryer, P. (1996). Buckingham, England. Open University Press.
2. Get Great Information Fast. Germov, J. and Williams, L. (1999). Sydney: Allen and Unwin.

### BACH 5198 Contemporary Issues I

Old code 2556C. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract Learning or Distance Mode. **Prerequisite**: Undergraduate Psychology units or Psychology for Graduate Students. **Assessment**: Four annotated biobliographies and one literature review.

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

*Textbooks*

Readings (supplied)

### BACH 5216 Behavioural Aspects of Ageing

Old code 2556U. 6 credit points. Assoc Professor Lynne Harris (02) 9351 9162. **Semester**: 1. **Classes**: Independent learning package; external/distance mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people. See www.fhs.usyd.edu.au/bach/5216.

### BACH 5224 Organisational Management

Old code 25572/25572X. 6 credit points. Dr Barbara Adamson (02) 9351 9579 and Dr Rosemary Cant (02) 9351 9560. **Semester**: 1. **Classes**: On-campus or off-campus. **Assessment**: Continuous assessment using case study approach.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses Fayd's elements of management as a springboard for the analysis of changing functions of a successful manager.

### BACH 5263 Dissertation

Old code 25585/25585X. 12 credit points. Associate Professor Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Contract learning; external/distance mode. **Assessment**: Report.

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

### BACH 5268 Developing a Research Project

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### BACH 5284 Learning in the Workplace

Old code 2558Q. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning packages, email support and web-support. on-campus and on-campus mode (evening classes). **Assumed knowledge**: Adult Learning Theory and Educational Design. **Assessment**: Assignment based (non exam).

*NB: May not be offered in 2004. Check with School.*

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace.

(This unit may be offered by distance only if insufficient on-campus enrolments.)

*Textbooks*

Understanding Learning at Work. Boud, D. & Garrick, J. (1999). Routledge.

### BACH 5313 Child and Adolescent Psychology

Old code 2559J/2559JX. 6 credit points. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Prerequisite**: Undergraduate Psychology units. **Assessment**: Four tasks.

This unit will provide students with an understanding of the major theories of child and adolescent development, research methods appropriate to its study, an overview of current issues in childhood and adolescence and the applications of developmental theory to health professional practices. The focus in this unit will be on normal development.

*Textbooks*

Development of Children and Adolescents. Berger (1999).

### BACH 5321 Psychology for Graduate Students

Old code 2559RX. 6 credit points. Dr Chris Lennings (02) 9351 9587. **Semester**: 1, 2. **Classes**: External/distance mode. **Assessment**: Literature review.

This subject provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour – how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. The unit is available by distance and by individual learning contract.

*Textbooks*

Pathways to Psychology. Sternberg, R. (1999).

### BACH 5323 Advanced Counselling Skills

Old code 2559T. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract learning. **Assumed knowledge**: Basic counselling skills. **Prerequisite**: Counselling. **Assessment**: Case study analysis.

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The unit is taught as a series of six seminars in the semester following completion of the Counselling unit. The unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken.

*Textbooks*

Principles of Clinical and Counselling Psychology. 3rd Edition. Todd and Bohardt. 1996.

### BIOS 5018 **Health, Dysfunction and Ageing**

Old code 11433X. 6 credit points. Ms Dana Strain (02) 9351 9140. **Semester**: 2. **Classes**: Directed. **Assessment**: Written assignment, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence with age of certain diseases and impairments, especially those with a tendency to become disabling and a handicap. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented from leading to further disability. The unit also provides for in-depth study of a specific aspect of individual student interest.

### BIOS 5041 **Biological Aspects of Ageing**

Old code 11502X. 6 credit points. Dr Peter Knight (02) 9351 9339. **Semester**: 1, 2. **Classes**: Independent learning package. **Assessment**: Written assignment.

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing.

### SING 5001 **Organisational and Managerial Behaviour**

Old code 20501. 6 credit points. **Semester**: 2.

Historical development of management and organisations; perspectives on organisations; individual and group behaviour; theories of organisation; organisational politics, culture, structure; organisational communication.

### SING 5002 **Health Economics**

Old code 20502. 6 credit points. **Semester**: 2.

Introduction to health economics as a way of thinking about problems of resource allocation (priority setting) in health care. Introduction to microeconomics, health care markets, market failure, government intervention and the values that underly decision-making.

### SING 5003 **Health Service Leadership and Change**

Old code 20503. 6 credit points. **Semester**: 1.

Historical and current theories of leadership; leader-follower behaviour; the language, rhetoric and practice of leaders; the imperative for change; models of change; change management strategies and tactics; continuous quality improvement; application to the Singapore environment.

### SING 5004 **Accounting and Financial Management for Health Service Managers**

Old code 20504. 6 credit points. **Semester**: 1.

Accounting and information needs; accounting principles; financial statements; inventory, asset and financial reporting and management; management accounting; cost, budgeting and expenditure analysis; funding options and models in health care; investments; financing; dividends; risk management.

### SING 5005 **Health Service Marketing**

Old code 20505. 6 credit points. **Semester**: 2.

The marketing concept; theory and practice; services marketing and its relationship to health care; analysing market needs in health care; marketing strategy, planning and development; marketing and competitor analysis; competitor behaviour; marketing program design; ethical marketing for health care; case studies in health services marketing; marketing program evaluation.

### SING 5006 **Strategic Management and Planning**

Old code 20506. 6 credit points. **Semester**: 2.

Environmental scanning; scenario planning; strategic behaviour; managing strategically; expressing strategic intent; competitive strategy; ideas, tools and techniques of the strategist; the learning organisation; strategic planning; evaluation; relationship to leadership.

### SING 5007 **Health Sector Human Resource Management and Industrial Relations**

Old code 20507. 6 credit points. **Semester**: 1.

HRM and IR theories; historical context; skills; the IR system in Singapore; role and application of various HRM and IR techniques; internal and external labour markets; motivation and productivity; OH&S; EEO; globalisation of HRM and IR.

### SING 5008 **Information and Decision Analysis**

Old code 20508. 6 credit points. **Semester**: 1.

Computing and information analysis; decision analysis and control; Information systems development, management; decision support systems and EIS; health information management – sources, limitations, issues, principles.

### SING 5012 **Dissertation**

Old code 20509B. 24 credit points. **Semester**: Full year.

Semester 1–12 credit points; Semester 2–12 credit points;

The dissertation provides candidates with an opportunity to undertake an advanced investigation in a topic or issue through the development of either a proposal for independent research on that topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem.

# 21 Postgraduate elective units of study

The information provided in this schedule includes an individual code for each unit of study – ie, electives for postgraduate students. Not all electives are offered each semester. The mode of presentation varies between schools. 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. To obtain this information a unit of study code has been used next to the unit title:

- The four letter prefix represents the school in which the elective is taught (see Table 20.1)
- the first digit represents the level of that unit:
  5 = postgraduate coursework
  6 = master's research
  7 = PhD
- a further three digits distinguish the particular unit of study
- during the transition to the new unit code format, the old 'subject' code is also listed.

Each unit of study (elective) has a credit point value. Students should note that limitations on enrolment are imposed for some units of study.

**Table 21: unit code prefixes**

| Prefix | Taught by | Office | Phone |
|---|---|---|---|
| DHSC | Doctor of Health Science | G101 | (02) 9351 9220 |
| ORTH | School of Applied Vision SciencesT321 | T321 | (02) 9351 9250 |
| BACH | School of Behavioural and Community Health Sciences | G101 | (02) 9351 9228 |
| BIOS | School of Biomedical Sciences | S202 | (02) 9351 9455 |
| CSCD | School of Communication Sciences and Disorders | S101 | (02) 9351 9450 |
| EXSS | School of Exercise and Sport Science | K122 | (02) 9351 9612 |
| HIMT | School of Health Information Management | T301 | (02) 9351 9494 |
| MRTY | School of Medical Radiation Sciences | M201 | (02) 9351 9640 |
| OCCP | School of Occupation and Leisure Sciences | M501 | (02) 9351 9386 |
| PHTY | School of Physiotherapy | O100 | (02) 9351 9273 |
| AHCD | Yooroang Garang: School of Indigenous Health Studies | T409 | (02) 9351 9497 |

## ■ Faculty electives

### BACH 5138 **Abnormal Psychology and Mental Health**

Old code 2554K/2554KX. 6 credit points. Dr Chris Lennings (02) 9351 9587. **Semester**: 1, 2. **Classes**: Contract learning (Semester 1); external/distance mode (Semester 2). **Prerequisite**: Undergraduate Psychology units. **Assessment**: Five case studies; literature review.

This unit develops an awareness of the issues involved in the treatment and assessment of emotional and behavioural orders and the impact of such disorders on the healthy functioning of the person. The unit involves understanding the philosophic bases for defining what is 'normal' mental health, the types of underlying assumptions psychologists make about what constitutes 'abnormal' mental health and an understanding of the DSM IV approach to classifying psychological and psychiatric disorders. The unit will also involve a brief overview of the major aetiological theories in the area as well as some discussion of major approaches to the treatment of such disorders. This unit is divided into three modules over thirteen teaching topics. Modules two and three will involve learning by case studies. The unit is available in Distance Education mode in the Second Semester of each year, and is taught as a series of 6 seminars in Semester 1 of each year. Assessment requires students to complete 5 case studies and conduct a literature review.

*Textbooks*

Abnormal Psychology, 2nd Edition. Barlow (2001).

### BACH 5001 **Adult Learning**

Old code 25500/25500X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: External/distance mode; independent learning packages, email and Internet support. **Assessment**: Assignment based (non exam).

In this unit participants will develop their knowledge about theories of learning, the process of learning, the role of the teacher and learner in health science education, trends in higher education and the context of health science education.

### BACH 5323 **Advanced Counselling Skills**

Old code 2559T. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract learning. **Assumed knowledge**: Basic counselling skills. **Prerequisite**: Counselling. **Assessment**: Case study analysis.

Students are introduced to specific applications of generic counselling skills, including drug and alcohol settings, crisis settings, family work and grief. Group work skills are emphasised, as well as developing their individual orientations towards counselling. Students are also taught how to critically analyse and develop an awareness of their use of skills, and to begin to specialise into a preferred treatment model. It is expected that students will acquire skill in the use of counselling techniques in specific settings. The unit is taught as a series of six seminars in the semester following completion of the Counselling unit. The unit is also available in Distance Education Mode. Assessment requires students to critically analyse a counselling session they have undertaken.

*Textbooks*

Principles of Clinical and Counselling Psychology. 3rd Edition. Todd and Bohardt. 1996.

### BACH 5149 **Ageing and Australian Society**

Old code 2554X. 6 credit points. Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Contract learning.

A sociological analysis of ageing in Australia will lead the student to an understanding of the multiple relationships between social structures and processes, the individual experience of ageing and the position of elderly people in Australian society.

### AHCD 5012 **Alcohol and Other Drugs A**

Old code 07512X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5059 (07559X)] is also available. Check with the School for more information.*

This unit introduces students to the issues surrounding drug and substance abuse in Indigenous and non Indigenous communities. Students are expected to examine such issues as the social and psychological bases of drug abuse and social reactions to such use. Students will develop knowledge of the variety of approaches to drug use and abuse including rehabilitation strategies and police and court practices.

### EXSS 5035 **Applied Biomechanics**

Old code 22535. 6 credit points. Dr Peter Sinclair. **Semester**: 2. **Classes**: On-campus 4 hours/week. **Assessment**: Assignment and examinations.

This unit extends and deepens the tools for assessing the mechanical effectiveness and efficiency of movement introduced in Human Mechanics. The mechanical properties of tissues and anatomical structures will be related to injury occurrence and prevention. These concepts and skills will be applied to a variety of human tasks from sport, leisure and work through in-depth case studies. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

**Practical**: Practical assignment included

*Textbooks*

Introduction to Sports Biomechanics. Bartlett, R.

### EXSS 5029 **Applied Physiology**

Old code 22529. 6 credit points. Mr Tom Gwinn (02) 9351 9569. **Semester**: 1.

A sound knowledge of basic human physiology is required for this unit. The unit provides the student with the background

knowledge in exercise and environmental physiology required for the units in Advanced Musculoskeletal and Advanced Cardiorespiratory Physiology, Exercise Testing and Prescription, and Exercise and Rehabilitation. It reviews the acute cardiovascular, respiratory, metabolic, renal, neuromuscular and thermoregulatory responses to exercise. The effects of thermal and hypoxic environmental stresses on exercise responses are then considered. The modifying effects of physiological adaptations arising from deconditioning, physical training and acclimatisation are examined in the light of variations in habitual activity and environmental stress. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

### BACH 5153 **Assessment of Learning**

Old code 25552/25552X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package for external/distance students. Email support. **Assumed knowledge**: Knowledge of Adult Learning and Educational Design is useful. **Assessment**: Two written assignments.

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context.

### AHCD 5005 **Australian Society and Health**

Old code 07505. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Attendance required; night classes.

This unit examines the relationship between social inequality and the distribution of health in Australian society. It explores the relevance of an analysis of socio-political relations and processes for understanding these patterns.

### BACH 5139 **Behaviour Modification and Cognitive Behavioural Therapy**

Old code 2554L. 6 credit points. Dr Mairwen Jones. **Semester**: 1. **Classes**: Contract learning. **Assessment**: Assignments and examination.

This unit will cover the basic principles of learning theory and their applications to research in health care settings in conjunction with a theoretical introduction to the use of cognitive behavioural therapy. Students will learn about programs based on reinforcement principles, such as operant and classical conditioning, extinction, shaping, maintenance and generalisation of the behaviour, stimulus discrimination training and fading, cognitive behaviour modification and assertiveness training, a behavioural model of somatic disorders and behavioural intervention in rehabilitation. This is an on-campus, directed independent study unit.

*Textbooks*

Behavior Modification What It Is and How To Do It. Martin & Pear. (1998).

### BACH 5216 **Behavioural Aspects of Ageing**

Old code 2556U. 6 credit points. Assoc Professor Lynne Harris (02) 9351 9162. **Semester**: 1. **Classes**: Independent learning package; external/distance mode.

Cognitive, perceptual, sensory, motor and personality development in later life will be studied in relation to social theories of ageing and typical life events of older people. See www.fhs.usyd.edu.au/bach/5216.

### BACH 5140 **Biofeedback**

Old code 2554M. 4 credit points. **Semester**: 1. **Classes**: Contract learrning.

This elective covers the history of the development of biofeedback research, and considers the range of biofeedback modalities used in therapy to alleviate physical health problems. The main modalities examined are those related to the electromyograph, skin temperature, GSR, and the electroencephalograph. Other areas also considered include blood pressure, heart and respiration rate, blood sugar levels, and incontinence. Recent research, exploring other areas, is critically examined.

### BIOS 5041 **Biological Aspects of Ageing**

Old code 11502X. 6 credit points. Dr Peter Knight (02) 9351 9339. **Semester**: 1, 2. **Classes**: Independent learning package. **Assessment**: Written assignment.

This unit studies human ageing from biological perspectives. The emphasis is on understanding the main features of 'normal' ageing or senescence as distinct from disease processes and the contribution of environmental factors to ageing.

### BIOS 5053 **Body Function for Health Professionals**

Old code 11518. 6 credit points. Dr Jennifer Lingard (02) 9351 9527. **Semester**: 2. **Classes**: On campus flexible mode by independent study modules complemented by some lectures and tutorials. (By off-campus mode by 2005). **Assessment**: Written examination and integrative assignment.

This unit of study is designed for students who wish to expand their knowledge of the factors affecting human function in health and disease. It will help students to understand how body function affects day to day activities of living. The subject will be taught from a functional viewpoint, making it suitable for all students, regardless of their existing knowledge of physiology and anatomy.

The major body systems to be studied are the cardiovascular and respiratory systems. The other major units of study are pharmacology (examining the therapeutic benefits and side effects of commonly used drugs, compliance and adverse reactions), and disease and infection control.

The focus will be on the function of the healthy body, and the implications of dysfunction in each of the systems studied. Development and ageing will be studies.

The unit will provide an opportunity for students to apply their professional knowledge and to integrate it with the study of function and problems of dysfunction in several body systems.

### HIMT 5076 **Casemix Measurement Systems**

Old code 09555. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus mode. **Assessment**: Assignments.

*NB: Available in off-campus mode*

This unit introduces the student to casemix classification systems which are used by states and territories to fund healthcare services. This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian National Diagnosis Related Groups (AN-DRGs). Casemix applications and current casemix initiatives will also be explored.

### BACH 5313 **Child and Adolescent Psychology**

Old code 2559J/2559JX. 6 credit points. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Prerequisite**: Undergraduate Psychology units. **Assessment**: Four tasks.

This unit will provide students with an understanding of the major theories of child and adolescent development, research methods appropriate to its study, an overview of current issues in childhood and adolescence and the applications of developmental theory to health professional practices. The focus in this unit will be on normal development.

*Textbooks*

Development of Children and Adolescents. Berger (1999).

### BACH 5308 **Children's Health and Welfare Policy**

Old code 2559E. 4 credit points. Dr Carol O'Donnell (02) 9351 9580. **Semester**: Full year. **Classes**: Contract learning. **Assessment**: Written report.

Using data to assist identification of risks to children's health and welfare, and through an assessment of existing legislation and/or services related to risk control, students will design a program for the delivery of a health or social welfare service for children which aims to improve upon current service delivery structures and their outcome.

### BACH 5085 **Clinical Teaching and Supervision**

Old code 25533/25533X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non exam).

In this unit participants explore aspects of clinical teaching and the way clinical teachers relate to students and patients/clients in the clinical learning environment. Participants develop knowledge and skills in such areas as clinical teaching strategies and assessment, the role of the supervisor and ways to promote effective student interaction.

*Textbooks*

Faciliting Learning in Clinical Settings. McAllister, L. et al (1997). Stanehy Thorne

### BIOS 5050 Clinically Oriented Musculoskeletal Anatomy

Old code 11515. 4 credit points. Ms Catherine Willis (02) 9351 9458. **Semester**: 1, 2. **Classes**: Normal/Traditional. **Assessment**: Written examination and assignment.

This unit of study meets the needs of students seeking a basic knowledge of the gross structure of the Musculoskeletal System of the human body. The structures studies have been carefully selected to support the knowledge required by health practitioners and there is particular emphasis on the functional applications of the knowledge within the framework of clinical situations. A study of gross anatomy of upper limb and histological features of the musculoskeletal system or a study of gross anatomy of the lower limb and torso are currently available. The unit includes laboratory classes where tissues from of human cadavers are examined in detail. Attendance at such classes is required for this unit. Instructional methodology will include: lectures, practical classes, CD-ROM based learning support packages and on line.

### BACH 5141 Cognitive Function in Neurological Disorders

Old code 2554N. 4 credit points. Dr Lynn Harris (02) 9351 9162. **Semester**: 1. **Classes**: Contract learning. **Prohibition**: Psychology of Ageing. **Assessment**: Assignments and essay.

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

### BACH 5036 Community Aged Care

Old code 2551P. 6 credit points. Assoc Professor Cherry Russell, c.russell@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: web based off-campus mode. **Assessment**: continuous.

This unit examines the development and implementation of community care policy for frail and disabled older people. It provides a critical analysis of 'deinstitutionalisation' as a defining feature of contemporary health policy and explores its intended and unintended consequences. It provides opportunity for students to focus on one or more topics of individual interest (eg, a particular service type or practice issue, elder abuse, social isolation, homelessness).

*Textbooks*

www.fhs.usyd.edu.au/bach/5036

### AHCD 5020 Community Development A

Old code 07520X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5060 (07560X)] is also available. Check with the School for more information.*

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

### AHCD 5016 Community Health Policy and Services

Old code 07516. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Independent learning package.

This unit introduces students to basic principles, concepts and policies which underpin the practice of community health. Major topics include the formal structure and organisation of the Australian health care system, approaches to health needs assessment, and the development of appropriate local level strategies.

### AHCD 5015 Community Nutrition

Old code 07515. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Contract learning.

This unit aims to increase knowledge and develop skills of allied health professionals concerning the theory and methods of community nutrition practices and service delivery. A major goal is to enable students to idenify and utilise opportunities for appropriate development and integration of community nutrition services within the general health services in which they work.

### BACH 5038 The Community Setting and Older People

Old code 2551R. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web based learning see www.fhs.usyd.edu.au/bach/5038; external/distance mode. **Assessment**: Three assignments.

This unit explores the home and community environment of older people in relation to factors which affect their health and quality of life.

*Textbooks*

www.fhs.usyd.edu.au/bach/5038

### BACH 5198 Contemporary Issues I

Old code 2556C. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract Learning or Distance Mode. **Prerequisite**: Undergraduate Psychology units or Psychology for Graduate Students. **Assessment**: Four annotated biobliographies and one literature review.

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

*Textbooks*

Readings (supplied)

### BACH 5200 Contemporary Issues II

Old code 2556E/2556EX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract Learning/Distance. **Prerequisite**: Contemporary Issues I BACH 5198 (2556C). **Assessment**: Four critical reviews.

This unit will enable students to study in depth four areas of special interest related to child and adolescent health and adjustment not previously studied in Contemporary Issues 1. These four areas will be selected from: violence against children; young people and social control; juvenile crime in Australia; substance abuse in young people; youth suicide; adjustment and coping; homelessness; learning disabilities; and mental health issues.

*Textbooks*

Readings supplied

### BACH 5143 Counselling

Old code 2554P/2554PX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Dianna Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Class attendance required (Semester 1); Distance Learning (Semester 2). **Prerequisite**: Undergraduate Psychology units. **Assessment**: Audio-tape; literature review.

Counselling is an essential and underlying skill in most forms of applied psychology. This includes clinical psychology (with its emphasis on counselling in interview as well as therapy skills), educational psychology (with the additional emphasis on theories of development and working in organisations) and industrial-organisational psychology (with its emphasis on counselling as selection and evaluation interviews as well as crises, out-placement and general staff development issues.) This unit overviews the area, seeks to establish a satisfactory definition of counselling and reviews research into the important aspects of counselling and its effectiveness. Students will be introduced to the Egan model of counselling skills and students will be expected to acquire basic skills in counselling.

*Textbooks*

The Skilled Helper. Egan, G. (2001).

### BACH 5294 Counselling Practicum

Old code 25590. 6 credit points. Dr Chris Lennings (02) 9351 9587, and Dr Diana Kenny (02) 9351 9644. **Semester**: 1. **Prerequisite**: Counselling BACH 5143 (2554P). **Corequisite**: Advanced Counselling Skills BACH 5323 (2559T). **Assessment**: Case study.

The practicum serves to ensure students are able to use the skills of counselling in real situations. The unit also provides students with their initial experiences of supervision.

**Practical**: Counselling clients

### AHCD 5033 Cultural Awareness for Indigenous Health

Old code 07533X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### BACH 5007 Curriculum Leadership

Old code 25506/25506X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Prerequisite**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Assessment**: Assignment choices include essays or workplace project (no exam).

Leadership in curriculum requires a knowledge of curriculum practice combined with creative problem-solving and design. Combined with these, studies focus on how to effect and manage change and enable the positive negotiation of curriculum

innovation in the many organisations in which health science educators work.

### BACH 5116 Developing a Web-based Education System

Old code 2553Y/2553YX. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Web-based. **Assumed knowledge**: Basic computer skills. **Assessment**: Assignment based (non exam).

Participants will be introduced to the major conceptual and technological issues, products and methods involved in planning, development, implementation and evaluation of web-based education systems (WBES). Participants will have the opportunity to develop WBES for their own teaching context. This unit will be offered via the World Wide Web.

*Textbooks*

Building a Web-based Education System. McCormack & Jones. (1998). Wiley

### BACH 5289 Disability and the Community

Old code 2558V. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.

This unit examines definitions of disability and handicap. Of particular importance will be how ways of viewing disability and handicap affect how people with disabilities are treated in the community and in health care settings. Students will be encouraged to focus their study on a particular segment of the community (ie, health professionals, different ethnic groups or media) and examine that group's attitudes towards people with disabilities. Alternatively, students could examine how a particular group in the community is viewed (ie, women, children or people with a specific condition). The underlying aim will be for students to develop strategies for improving attitudes 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 attitudes toward disability, attitudes of particular groups in the community and strategies for improving community attitudes toward disability.

### BACH 5288 Disability and the New Genetics

Old code 2558U. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.

This unit examines the influence of current research into the genetic basis of disability and disease on how the community and health professions view health, disability and disease. This unit will look at the role of genetic counselling in health care. Students will also examine how the increasing availability of genetic testing for many genetic disorders will affect individuals and their families. Some of the topics covered will be definitions of genetic counselling, application of genetic counselling to different groups (ie, pre-symptomatic testing, diagnostic testing, pre-natal testing), goals of genetic counselling and testing. The unit will examine the different perspectives of health professions in genetic counselling and testing – ie, clinical geneticists, science trained counsellors, social workers, psychologists and nurses. The course will also examine how the presence of genetic disease or disorder affects the individual and family (will cover various types of condition and patterns of inheritance). The dilemmas individuals and their families face in deciding whether or not to seek genetic counselling will also be discussed.

### BACH 5266 Ecological, Environmental and Nutritional Health

Old code 25588. 6 credit points. Dr Carol O' Donnell (02) 9351 9580 and Dr Kaye Brock (02) 9351 9124. **Semester**: 1, 2. **Classes**: Independent learning package; distance modes. **Assessment**: Two assignments.

Human ecology is the study of the interaction of people with their environment. The aim of this unit is to provide students with a theoretical and practical understanding of health within the context of the dynamics and distribution of populations. The role of environmental factors in the health of humans will be investigated with special emphasis on nutrition.

**Practical**: Yes

### BACH 5002 Educational Design

Old code 25501/25501X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1, 2. **Assessment**: Assignment-based (non exam).

Emphasis in this unit is on the development of basic skills in planning for effective teaching and learning. Participants learn planning skills by undertaking an educational design project.

### BACH 5128 Educational Innovation Project A (Health Science Education Only)

Old code 2554AX. 6 credit points. Ms Victoria Neville (02) 9351 9118 and subject specialists where relevant. **Semester**: 1. **Classes**: Learning contract. **Assessment**: Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the first part of the project.

Supervised project available in distance education and on campus mode (night classes) with email support.

### BACH 5129 Educational Innovation Project B (Health Science Education Only)

Old code 2554BX. 6 credit points. Ms Victoria Neville (02) 9351 9118 and subject specialists where relevant. **Semester**: 2. **Classes**: Learning contract. **Assumed knowledge**: Educational Design BACH 5002 (25501/25501X). **Assessment**: Report based.

This unit enables participants to explore the major issues concerned with developing, implementing and evaluating an educational innovation in their own teaching context. This unit addresses the second part of the project.

Supervised project available in distance and education mode with email support.

### BACH 5004 Educational Practice

Old code 25503/25503X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Contract learning. **Assumed knowledge**: Educational design BACH 5002 (25501). **Assessment**: Assignment based (non exam).

Participants undertake an independent learning project in which they develop a teaching plan or product relevant to their professional setting.

Distance education and on-campus mode with email support. Directed independent learning contract including negotiated assessment.

### BACH 5286 Ethnic Minorities and Health Care in Australia

Old code 2558S. 6 credit points. Dr Toni Schofield (02) 9351 9577. **Semester**: 1, 2. **Classes**: Contract learning.

This unit explores the health and health care experiences of Australians from non-English speaking backgrounds (NESB). It does so by examining the concept of cultural diversity in health in relation to structures of class, gender and ethnicity. The unit will be presented in contract learning mode with individual student consultations. Assessment will be an essay, and topics will be decided through negotiation between the unit coordinator and the student.

### HIMT 5067 Evidence Based Health Care

Old code 09547. 6 credit points. Margaret Williamson (02) 9351 9494, m.williamson@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus – 3 day block. **Assessment**: Assignments.

*NB: Semester 2 workshop may be held during intersemester break with assessments due throughout Semester 2. Places are limited.*

Greater demands are being placed upon health care practitioners and managers to adopt evidenced-based practice. This requires a systematic appraisal of the best available evidence. The rapid expansion of information in the health sector should result in increased knowledge and more effective health care. However it is common for practitioners to feel overwhelmed by the volume and different types and quality of information available. This unit includes concepts relating to adopting an evidence-based decision making approach in the health sector. Issues covered include what constitutes evidence, levels of evidence, searching for evidence and critical appraisal.

### BACH 5003 Facilitating Learning

Old code 25502/25502X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning package; external/ distance mode. Optional three Saturday workshops. **Assumed knowledge**: Some knowledge of Adult Learning Theory and Group Dynamics useful. **Assessment**: Essay and report based (no exam).

The primary function of a teacher is the facilitation of effective learning. Micro skills of teaching and facilitation skills that enable learning from experience are both studied and practiced. The process of reflection is used to illuminate and develop personal style. Knowledge of learning in groups (group dynamics) is useful.

Distance education and on-campus mode with independent learning packages and email support. Both modes are encouraged to attend three Saturday workshops for skills practice.

**Practical**: Videoed practice of teaching skills in campus workshop or participants setting

*Textbooks*

The Skilful Teaching: On techniques, trust and responsiveness in the classroom. Brookfield, S. (1990). San Francisco: Jossey Bass.

### HIMT 5078 Financial Management in Health Care Facilities

Old code 09557. 6 credit points. Michelle Bramley (02) 9351 9494, michelle.bramley@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Assignments and examinations.

In this unit students are introduced to the financial management of hospitals and health service institutions. Topics covered include basic financial accounting, costing and budgeting with an emphasis on departmental budgeting. Billing and claims processes in the private sector are examined as well as methods of funding used in the public sector. Differences between financial management approaches in the private and public sectors are highlighted.

### BACH 5101 Flexible Distance Learning

Old code 2553J. 6 credit points. Dr Mary Jane Mahony (02) 9351 9754. **Semester**: 1. **Classes**: Independent learning package with one phone Conference and supported by a Web site. One optional in-person meeting on the Cumberland Campus. **Assumed knowledge**: Basic principles of adult learning and educational design. **Assessment**: Three assignments: proforma review of an existing distance/flexible learning situation, reflective journal, and proposal report. no examination.

*NB: May not be offered in 2004. Check with School.*

Participants investigate contemporary distance and flexible education, examining both policy and practice, using a systems approach. They develop their ability to select policy and practice options which best fit a set of specific client needs. As part of their studies they also investigate one or more delivery media and critically evaluate its contribution to specified teaching/learning situations.

### BIOS 5051 Function and Dysfunction of Body Systems

Old code 11516. 6 credit points. Dr Jennifer Lingard (02) 9351 9527. **Semester**: 2. **Classes**: On campus flexlble mode by independent study modules complemented by some lectures and tutorials, by off-campus mode from 2002. **Assessment**: Written examination and by integrative assignment.

Disorders in many body systems can seriously affect an individual's ability to manage the 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 and dysfunction 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 dysfunction and enhance their ability to work 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 provide an opportunity for students to apply their professional knowledge and to integrate it with the study of function and problems of dysfunction in several body systems.

The knowledge gained will also provide a strong foundation for other electives in biomedical sciences and for other related aspects of a student's course.

### HIMT 5023 Fundamentals of Medicine and Medical Terminology

Old code 09505. 6 credit points. Prof Beth Reid (02) 9351 9494, b.reid@fhs.usyd.edu.au. **Semester**: 2. **Classes**: Off-campus mode.

*NB: Available in off-campus mode*

This unit is designed to provide the student with the knowledge necessary to understand the information contained in health records. Within each body system, the student will study anatomy and physiology, disease processes and their treatment, and medical terminology disease titles, symptomatic terms, surgical terms and investigations. The unit also includes diagnostic tests, diagnostic procedures, radiology, nuclear medicine, radiation therapy and an introduction to pharmacology, pathology and cancer research.

### BACH 5186 Graduate Skills for Professional Development

Old code 25560. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1, 2. **Classes**: Contact in off-campus mode. **Assessment**: Assignments.

Participants in this unit of study will develop learning skills essential for research and/or professional development. This unit explores access to information sources (both literature and numeric) for learning, including searching, retrieving, evaluating and analysing. This unit also addresses ways for communicating and presenting information and ideas based on these information sources, such as writing a critical analyses, formation of tables and graphs, critical literature review.There will be flexibility in selecting curriculum content to match the background and needs of the particular student.

*Textbooks*

1. The Research Student's Guide to Success. Cryer, P. (1996). Buckingham, England. Open University Press.
2. Get Great Information Fast. Germov, J. and Williams, L. (1999). Sydney: Allen and Unwin.

### HIMT 5069 Health Care Systems

Old code 09549. 6 credit points. Janelle Craig/Prof Beth Reid (02) 9351 9494, j.craig@fhs.usyd.edu.au/b.reid@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode, scheduled and web-based. **Assessment**: Assignments and examinations.

This unit provides an introduction to the Australian Health Care system. Topics covered include Commonwealth and State responsibilities for health with a particular focus on funding issues, healthcare expenditure, the structure and organisation of health insurance, health care facilities and the health workforce. The unit encourages a critical appraisal of current health arrangements and policies and an appreciation of the pluralistic nature of the health system. Students will participate in the 'Health Care Game', an interactive web-based program, as part of the unit.

### AHCD 5013 Health in the Developing World

Old code 07513. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Contract learning.

This unit is designed to provide students with an understanding of the major health issues and related socioeconomic characteristics of developing countries, in particular Australia's neighbours in the Pacific and Southeast Asian region. Topics include the historical and contemporary factors which have shaped the morbidity and mortality patterns of these countries, the relationship of health status and health care to development, the principles and processes of planning, implementing and evaluating primary health care programs at the village level, experience of, and the role of aid agencies in the Third World.

### BACH 5148 Health Policy and Social Theory

Old code 2554V. 6 credit points. Dr Ian Hughes (02) 9351 9582. **Semester**: 1, 2. **Classes**: Contract learning. On-campus mode.

This unit of study treats the relationship between self, health and health policy as a social process. Included in this process are the distribution of health & illness and implications for health care, social organisation and the management of illness, the medical model, professionalism, management of acute and chronic illness and alternatives in health care delivery. The theoretical and substantive issue covered by this unit are: classical and contemporary theories of social change, contemporary approaches to social change, evaluating public and private models of health-care delivery, health-care policy, technical changes, demographic changes, health care systems and social movements (eg, consumer rights). A key to understanding all of the above is the concept risk society. Are we living in an age of risk, or is it a post-modernist invention?

### AHCD 5039 Health Promotion

Old code 07539X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### BACH 5008 Health Promotion, Planning and Evaluation

Old code 25507. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Attendance required. **Prerequisite**: Introduction to Health Education (08481. **Corequisite**: Introduction to Health Education (08481). **Assessment**: Assignment (2000 words and 4000 words).

*NB: Not offered in 2004*

Models for planning and evaluation are examined. Application of these to the local context is a key strategy for learning.

### BACH 5306 Health Risk Management (International Perspectives)

Old code 2559C/2559CX. 6 credit points. Dr Carol O'Donnell (02) 9351 9580. **Semester**: 1, 2. **Classes**: Contract learning; external/distance mode. **Assessment**: Two assignments.

This unit aims to provide students with an understanding of the requirements of basic health risk managment in the context of the principles adopted by the World Health Organization (WHO). Basic principles of health risk management as required by relevant International Labour Organisation (ILO) Conventions and Australian legislation related to health, work and rehabilitation are also addressed. Students develop a program for controlling risks to health in a particular regional environment in the light of these international and national requirements.

**Practical**: Yes

### BIOS 5018 Health, Dysfunction and Ageing

Old code 11433X. 6 credit points. Ms Dana Strain (02) 9351 9140. **Semester**: 2. **Classes**: Directed. **Assessment**: Written assignment, independent study.

This unit aims to provide an understanding of the factors responsible for the increased prevalence with age of certain diseases and impairments, especially those with a tendency to become disabling and a handicap. Particular attention is paid to the contribution of environmental factors to the development of these conditions and to the ways in which such disorders may be prevented from leading to further disability. The unit also provides for in-depth study of a specific aspect of individual student interest.

### BACH 5319 Health, Population and Policy Development

Old code 2559P. 6 credit points. Dr Zakia Hossain (02) 9351 9340. **Semester**: 2. **Classes**: Contract learning. **Assessment**: Assignment.

This unit examines the changing population characteristics of Australia and the effect of health and well being; health delivery services and policy development. The unit provides a socio-demographic analysis of changing patterns of mortality and morbidity, nuptiality and fertility in Australia over time and their impact on policy development in particular health policy. The unit also examines Australia's population and health in a global context. The unit uses cross-cultural and cross sectional analyses in understanding the issues relevant to population change, health and policy development.

*Textbooks*

Materials from various sources

### AHCD 5030 Housing and Health A

Old code 07530X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Night classes.

*NB: A 6 credit point version of this unit of study [AHCD 5063 (07563X)] is also available. Check with the School for more information.*

The aim of this unit is to provide students with skills in examining health within the living environment. The aim is to equip students with knowledge and skills in order to examine, evaluate and survey present living conditions within the broad definition of health. The unit will enable students to plan, develop and implement housing intervention strategies for health.

### EXSS 5030 Human Mechanics

Old code 22530. 6 credit points. Associate Professor Richard Smith. **Semester**: 1. **Classes**: On-campus 4 hours/week. **Assessment**: Assignment and examinations.

This unit applies the principles of functional anatomy and biomechanics to the analysis of selected activities. The unit aims to investigate the relationship between anatomical structure and function particularly in relation to the body during sport and exercise. Methods of estimation of muscle activity (electromyography) will be used to explore how muscles create the internal forces in the human body necessary for balance, movement and protection of joints. The unit will also introduce some basic analysis of human physical task performance. Offered by full-time and part-time coursework on-campus with regularly scheduled classes held in the early evening.

**Practical**: Practical assignment included

*Textbooks*

Skeletal muscle structure and function. Leiber, R.L.

### HIMT 5070 Human Resource Management

Old code 09550. 6 credit points. Joanne Callen (02) 9351 9494, j.callen@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus block mode. **Assessment**: Assignments and examinations.

This unit of study focuses on managing the human resources of an organisation. Students explore in depth the individual processes of human resource management and their inter-relationships, including: human resource planning; recruitment; selection; orientation and training; career development and performance appraisal. The unit also covers the industrial relations framework in Australia with particular emphasis on the current workplace focus with enterprise bargaining. The implications of equal employment legislation and affirmative action legislation to the employment relationship are also covered.

### BACH 5044 Implementing Distance Learning

Old code 2551X/2551XX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning package; external/distance mode. **Assumed knowledge**: Distance Learning. **Assessment**: Assignment based (non exam).

This elective builds onto Distance Learning. You develop skills formulating distance course proposals, structuring materials; selecting and integrating media; promoting interactivity; and tackling the writing process for distance packages. Studies are by independent learning packages with teleconferences and webwize.

### BACH 5028 Improving Health Systems

Old code 2559X. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Web based. **Assessment**: Continuous.

The aim of this unit is to examine the process of planning, evaluating and improving programs and projects. Students will gain experience in using a variety of planning and evaluation strategies. Web based instruction. www.fhs.usyd.edu.au/bach/5028

*Textbooks*

www.fhs.usyd.edu.au/bach/5038

### BACH 5326 Improving Health Systems

Old code 2559X/2559XX. 6 credit points. Dr Ian Hughes (02) I.Hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-line. **Assessment**: Continuous. Project based assignments and participation.

The aim of this unit is to examine the process of planning, evaluating and improving projects or health services. Students will gain experience in using a variety of planning and evaluation strategies. Web based instruction. www.fhs.usyd.edu.au/bach/5326

*Textbooks*

www.fhs.usyd.edu.au/bach/5326

### BACH 5024 In-Service and Continuing Education in Health Services

Old code 2551DX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning packages for all. Email support. **Assumed knowledge**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). BACH 5284 (2558Q) Learning in the workplace is an advantage. **Assessment**: Assignment based (non exam).

This elective aims to provides opportunities for participants to explore the main challenges facing educators delivering inservice and continuing education in the 1990s. The effect of, for example, the training reform agenda, competency-based education, workplace standards, organisational constraints, and flexible delivery modes on the planning, implementation and evaluation of inservice and continuing education are explored.

### BACH 5151 Independent Investigation I

Old code 2555O/2555OX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Contract learning. **Assumed knowledge**: Basic principles of adult learning and educational design are useful. **Assessment**: Negotiated.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

### BACH 5022 **Independent Investigation II**

Old code 2551BX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Contract learning. **Assumed knowledge**: Basic principles of adult learning and educational design are useful. **Assessment**: Negotiated.

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. Directed independent learning contract including negotiated assessment.

### AHCD 5036 **Independent Learning A**

Old code 07536X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5066 (07566X)] is also available. Check with the School for more information.*

The aim of this unit is to provide the students with opportunities in exploring areas of studies which are not covered by the other unit topics, either in depth or meet their needs. It will help the students to explore a context in which their skills, independent learning interests learning objectives could come together. Students through their own set of objectives and negotiation with their supervisor identify their learning needs. A set of negotiation contract will facilitate this process.

### AHCD 5022 **Indigenous Family Health A**

Old code 07522X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5061 (07561X)] is also available. Check with the School for more information.*

The purpose of this unit is to describe the Family Health within the context of Aboriginal culture and holistic approach to intervention, particularly in areas of family violence and sexual assault. This perspective is quite different from the conventional western approach of dealing with violence upon women and children. It uses a positive approach with cultural perspective to deal with the problem.

### AHCD 5023 **Indigenous Mental Health A**

Old code 07523X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5062 (07562X)] is also available. Check with the School for more information.*

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

### AHCD 5035 **Injury Prevention A**

Old code 07535/07535X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5065 (07565X)] is also available. Check with the School for more information.*

This unit introduces students to the basic principles of injury control within a community health framework. Students will gain the skills and knowledge to understand injury as a preventable problem, identify data sources and use data in a variety of ways. Issues surrounding personal and community responsibility for injury will be considered. Specific case studies will be critically examined to assess the way in which injury prevention strategies have been used in Indigenous and non Indigenous contexts.

### BACH 5196 **International Health: Sociological Analysis**

Old code 2556A/2556AX. 6 credit points. Dr Zakia Hossain (02) 9351 9340 and Ms Ann Hale (02) 9351 9578. **Semester**: 2. **Classes**: Independent learning package; external/distance mode. **Assessment**: Project and assignment.

This unit aims to provide students with an understanding of psychosocial and political aspects of health and illness in both developed and developing countries. The unit examines the demographic, epidemiological and health transitions in these countries. It examines the impact of structural and non-structural factors on health and life expectancy; and analyses the current health issues and health priorities in developed and developing countries.

*Textbooks*

Materials from various sources

### BACH 5208 **Introduction to Computers & the Internet**

Old code 2556M. 6 credit points. Dr Peter Choo (02) 9351 9583 and Dr Zakia Hossain (02) 9351 9340. **Semester**: 1, 2. **Classes**: Contract learning. **Assumed knowledge**: Familiarity with Windows. **Prohibition**: Computing Applications for Health Practitioners BACH 3105 (253B7). **Assessment**: One ssignment.

This unit introduces the student to the use of computers for research, educational, and professional purposes. Important computer concepts will be covered, however the emphasis will be on developing practical computer skills. Skills covered will include the rudiments of computer programming; the use of popular applications such as word processors, spreadsheets and databases; and the use of the Internet as a research and communications tool.

**Practical**: 1 project

### BACH 5020 **Introduction to Educational Computing**

Old code 25519X. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 1. **Classes**: External/distance. **Assessment**: Assignment based (non exam).

This unit examines the conceptual and technological developments in educational computing and their use and impact on health science education. Participants will learn to apply concepts and skills of educational computing to their own educational settings, and developing a small Web site. (Some basic computer skills would be an advantage).

### HIMT 5027 **Introduction to Epidemiology**

Old code 09509. 6 credit points. Aditi Dey (02) 9351 9494, a.dey@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus mode. **Assessment**: Assignments & examination.

*NB: Available in off-campus mode*

This unit introduces students to principles and practice of epidemiology. The unit includes measures of disease frequency and association, study design (descriptive and analytic), sources of measurement error, causation and screening, including test specificity and sensitivity. Students are introduced to the critical appraisal of epidemiological studies.

### PHTY 5110 **Introduction to Ergonomics**

Old code 16541. 6 credit points. Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 1. **Classes**: on-campus 3–4 hours/week, late afternoon / early evening. **Assumed knowledge**: Undergraduate Ergonomics. **Assessment**: Written exam and seminar presentation.

This unit aims to give the student an overview of the discipline of ergonomics and explores the inter-relationship and relevance of a variety of ergonomic issues in the workplace through analysis and exploration of case study scenarios. Ergonomic concepts explored include a review of work physiology, biomechanics and kinesiology, physical and psychological factors influencing the worker, anthropometry and work system issues. A problem-based learning approach will be used for content delivery with students working individually and in small groups to acquire and analyse case information and related materials. The tutor will facilitate this learning process. The unit will be assessed by written report and (group) seminar presentation. Peer evaluation, (of each individual's contribution to the group problem solving process), will also form part of the overall assessment for each student.

**Practical**: Up to 10 hours of fieldwork

*Textbooks*

Ergonomics, the Physiotherapist in the Workplace, B M (1990)
Fitting the Task to the Man (4th ed) E. Grandjean (1990)

### MRTY 5055 **Introduction to Functional Neuro-imaging**

Old code 18545X. 6 credit points. Dr Simon Cowell. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

Neuro-imaging techniques such as positron emission tomography (PET), functional magnetic resonance imaging (fMRI), single photon emission computed tomography (SPECT), electroencephalography (EEG), magnetic resonance spectroscopy, (MRS), event related potentials (ERP) and magnetoencephalography (MEG) are used to map functional areas of the brain. While these techniques are frequently cited across a range of disciplines including; neurology, psychiatry, speech pathology, radiography, radiology, nuclear medicine and neuropsychology, many practitioners have only a vague understanding of the principles and applications of these techniques. This is understandable as functional brain mapping uses complex technology that is constantly changing. This unit of

study aims: (a) to introduce practitioners to the principles and complementary applications of these techniques and (b) to develop practical understanding of specific brain mapping issues such as paradigm design, patient interaction and image coregistration. The unit will be offered in distance education mode.

### BACH 5041 Introduction to Gerontology

Old code 2551U. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; off campus mode. **Assessment**: Three assignments.

*NB: www.fhs.usyd.edu.au/bach/5041*

This unit provides an overview of gerontology as a multi-disciplinary field of study and its application to professional practice. It explains basic concepts and key issues in the study of ageing at the level of individuals and of populations. 3 Modules: Population ageing and public policy; Understanding health and ageing; Ageing, society and professional practice.

*Textbooks*

Australia's New Aged. McCallum, J Geiselhart, K. (1996). Allen & Unwin.

www.fhs.usyd.edu.au/bach/5041

### BACH 5037 Introduction to Health Education

Old code 2551Q. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning packages and email support. **Assessment**: Assignment based (non exam).

*NB: Not offered in 2004*

International perspectives, theories and models for health education are explored. Ways these translate into local strategies for intervention are examined.

Independent learning packages and email support.

### AHCD 5052 Introduction to Indigenous Community Health

Old code 07552X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.

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

### BACH 5162 Introduction to Medical Anthropology

Old code 2555B. 6 credit points. Ms Ann Hale (02) 9351 9578. **Semester**: 1, 2. **Classes**: Contract learning; 4 hours/week. **Assessment**: Final assignment.

This unit provides an introduction to the perspective's of medical anthropology as well as providing a historical analysis of its development as a new sub-discipline.

### AHCD 5010 Issues in Community Mental Health A

Old code 07510. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Contract learning.

*NB: A 6 credit point version of this unit of study [AHCD 5067 (07567X)] is also available. Check with the School for more information.*

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

### BACH 5039 Large Group Teaching

Old code 2551S/2551SX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package; external/distance mode (no classes), email support. **Assumed knowledge**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Assessment**: Assignment based (non exam).

Large group teaching is a common method of education. Doing it well is a challenge. In this unit participants will increase their knowledge and skills about ways to work with large groups more effectively.

### BACH 5213 Law and the Health Services

Old code 2556R. 6 credit points. Dr Judith Mair (02) 9351 9126. **Semester**: 2. **Classes**: 2 hours alternate weeks. **Assessment**: Assignment and seminar presentation.

This unit aims to equip providers of health services with knowledge of the legal framework for the delivery of health services in Australia together with law relevant to the client base. The unit will cover legal issues involving children, childbirth, older people, the mentally ill, those addicted to drugs or alcohol, and people with intellectual and physical disabilities. The unit will also cover law protecting safety and compensation for accidents in the home, at work and transport related. This unit is available on-campus and regular group discussions will be held on a fortnightly basis.

*Textbooks*

List of references to be supplied.

### BACH 5118 Learning in Groups

Old code 25540/25540X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning package. Email support. **Assessment**: Assignment based (non exam).

Effectively functioning in any organisational setting is greatly enhanced by a knowledge of group dynamics. Any group interaction for the purpose of learning is more productive if likewise informed. Using the focus of the group and a series of task requirements participants gain both theoretical knowledge about the way in which group dynamics underpin small group learning and skills in facilitating the process, both as members and leaders of learning groups. Some knowledge of adult learning theory is an advantage (readings are suggested).

*Textbooks*

Various suggested

### BACH 5284 Learning in the Workplace

Old code 2558Q. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1. **Classes**: Independent learning packages, email support and web-support. on-campus and on-campus mode (evening classes). **Assumed knowledge**: Adult Learning Theory and Educational Design. **Assessment**: Assignment based (non exam).

*NB: May not be offered in 2004. Check with School.*

This unit explores current and future issues about work-based learning, for example: informal and incidental learning; learning organisations and transfer of learning to the workplace.

(This unit may be offered by distance only if insufficient on-campus enrolments.)

*Textbooks*

Understanding Learning at Work. Boud, D. & Garrick, J. (1999). Routledge.

### BACH 5027 Mental Health in Later Life

Old code 2551G. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Independent learning package; external/distance mode. **Assessment**: Two assignments.

The unit aims to provide a broad understanding of factors affecting mental health in later life and the opportunity for in-depth study of an area of professional relevance.

### HIMT 5068 Microcomputing and Data Mining

Old code 09548. 6 credit points. Angelika Lange (02) 9351 9494, a.lange@fhs.usyd.edu.au. **Semester**: 1. **Classes**: On-campus attendance. **Assessment**: Assignments and examinations.

This unit introduces the student to common computer applications including word processors, spreadsheets, databases, and web browsers. The aim is for students to acquire sophisticated skills in the use of these applications. Search strategies for finding health information on the Internet are covered and different search engines are compared. An introduction to the structure of literature databases, thesauri and MESH-systems is given and methods of searching the medical literature, for example using CD-ROM databases are presented.

### BACH 5236 Motor Learning

Old code 2557E. 3 credit points. Dr Roger Adams (02) 9351 9275. **Semester**: 2.

*NB: For Exercise and Sport Science students only.*

This unit develops the model of information processing in the human sensory-motor system as the basis of the acquisition and execution of motor behaviour. Topics covered include: the stages of skill acquisition; automatic versus conscious motor control; expert-novice skill differences in pattern recognition and movement production, simultaneous multi-task performance; attention, effort and resources; planning and controlling movements; hemispheric specialisation; memory for movements; imagery and mental rehearsal; practice and automatisation; stress, arousal and performance; disorders of movement; ecological and motor program approaches to motor learning.

### BACH 5254 Motor Performance and Learning

Old code 2557W. 3 credit points. Mr Roger Adams (02) 9351 9275. **Semester**: 1.

The aim of this unit is to study, in-depth, the factors influencing skill acquisition, skill relearning and skill performance and their

role in modifying inappropriate, but automated motor behaviours. These may need to be changed in response to disease or continuing injury, in order to improve functional outcome and/or prevent further injury. Topics to be covered include: motivation/goal setting; operant behavioural approach; optimising the benefits of physical practice; attention, concentration and arousal; mental practice; awareness during performance; feedback and evaluating the effectiveness of strategies designed to modify inappropriate, but automated movement behaviours.

### BACH 5212 **Multicultural Issues in Gerontology**

Old code 2556Q. 6 credit points. Dr Zakia Hossain (02) 9351 9340. **Semester**: 1. **Classes**: Independent learning package. **Assessment**: Project.

This unit examines what it means to be old in a country whose language, expectations for aged behaviour and types of support available, differ from those of their country of origin. The impact of immigration policy and services provision will be analysed.

*Textbooks*

Materials from various sources

### BACH 5164 **Occupational Health**

Old code 2555D. 6 credit points. Dr Carol O'Donnell and Ms Kate O'Loughlin. **Semester**: 1, 2. **Classes**: Independent learning package; external distance modes. **Assessment**: Two written assignments.

This unit teaches basic management principles related to the effective implementation of the duty of care in regard to occupational health and safety. Students will gain an understanding of the legislative and policy provisions associated with occupational health and safety, workers' compensation, rehabilitation and re-training. Students will be required to gain access to a workplace and develop a prevention program proposal based on identification of risks and provision of strategies for their control.

**Practical**: Yes

### BACH 5291 **Occupational Rehabilitation**

Old code 2558X/2558XX. 6 credit points. Dr Carol O'Donnell (02) 9351 9580, and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Independent learning packages; external distance modes. **Assessment**: Two assignments (2000 words and 4000 words).

This unit will examine current issues in the provision of occupational rehabilitation to persons injured in the workplace. Recent initiatives will be examined, together with the roles of key stakeholders in the management of workers in the post-injury phase. Students will be required to interview an injured worker and evaluate the extent to which their experience after injury was consistent with good management practice, current legislative requirements and the public interest.

**Practical**: Yes

### BACH 5224 **Organisational Management**

Old code 25572/25572X. 6 credit points. Dr Barbara Adamson (02) 9351 9579 and Dr Rosemary Cant (02) 9351 9560. **Semester**: 1. **Classes**: On-campus or off-campus. **Assessment**: Continuous assessment using case study approach.

This unit has been designed to assist students to understand contemporary management theories and practice. It is generally agreed that effective managers need good analytical skills and critical capacity, to be able to respond creatively and constructively to the new challenges that they face in the 21st century. The unit explores different perspectives on organisations and uses Fayd's elements of management as a springboard for the analysis of changing functions of a successful manager.

### BACH 5290 **Organisational Psychology**

Old code 2558W/2558WX. 6 credit points. Dr Barbara Adamson (02) 9351 9579. **Semester**: 2. **Classes**: Contract learning; external/distance 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 is offered on-campus as a directed independent study unit and is available in distance education mode.

### BACH 5226 **Organisational Structures in Health Contexts**

Old code 25574. 6 credit points. Dr Rosemary Cant (02) 9351 9560. **Semester**: 2. **Classes**: Contract learning.

This unit focuses on rational structuring of organisations and relates it to administrative problem solving. It 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. This unit is offered on-campus as a directed independent study unit.

### BACH 5025 **Patient Education**

Old code 2551EX. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Some night classes for on-campus students by arrangement with lecturer. **Assumed knowledge**: Adult Learning is an advantage. **Assessment**: Assignment based (non exam).

*NB: May not be offered in 2004. Check with School.*

Participants consider current theoretical approaches and skills that underpin patient education particularly with regard to chronic diseases.

### MRTY 5056 **Patient/Practitioner Communication**

Old code 18546X. 6 credit points. Mr John Atyeo. **Semester**: 2. **Classes**: Off-campus. **Assessment**: Continuous assessment, no examination.

This unit extends the patient communication skills of the medical radiations practitioner. It aims to make the practitioner more effective at giving and receiving information when interacting with the patient. The enhancement of listening skills will be encouraged, with an emphasis on patient empowerment and history and note-taking. Transfer of information from the practitioner to the patient will also be covered. The student will collect local information regarding patient support services. Video and audio tapes may be used to provide practical examples for student study.

*Textbooks*

No specific text recommended. Primary & secondary library sources to be accessed by student

### OCCP 5140 **Politics and Power in the Workplace**

Old code 15574. 3 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: Internet and distance delivery for all students. **Assessment**: Essay, reflective journal.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and shared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of work place settings will be considered. Students will undertake an independent guided reading program.

### OCCP 5141 **Politics and Power in the Workplace**

Old code 15575. 6 credit points. Dr Susan Griffin (02) 9351 9377. **Semester**: 2. **Classes**: Internet and distance delivery for all students. **Assessment**: Essay, reflective journal plus report of a work place based project.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

This unit of study provides the opportunity for students to examine a variety of theoretical perspectives on how power is developed and shared within work places. Students will examine various strategies for developing and maintaining influence in the workplace. A variety of work place settings will be considered. Students will undertake an independent guided reading program in greater depth than for the 3 credit point unit of study in addition to a workplace project negotiated with the lecturer.

### BACH 5165 **Post Trauma Stress**

Old code 2555E. 6 credit points. Dr Gomathi Sitharthan (02) 9351 9584. **Semester**: 1. **Classes**: Contract learning. **Assessment**: Assignments.

This elective traces the history of reactions to traumatic events, including the acceptance of a syndrome known as post traumatic stress syndrome in recent years. Various disorders with similar characteristics are compared and contrasted and the research and clinical literature presented. Current views on the treatment and evaluation of post traumatic disorders are presented and appraised. This is an on-campus directed independent study unit.

### AHCD 5002 **Program Planning and Evaluation**

Old code 07502/07502X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: External/distance mode.

The aim of this unit is to examine factors and elements involved in the process of planning, developing, implementing, and

evaluating services/programs/projects. Student will be also become aware of the basic skills required in the management of non-profit organisations. This is a hands on subject which relies on the participants' work and experience. Students will also learn basic skills in critically analysing non-profit organisation management, and appreciate the role of health outcome in evaluation of health services.

### AHCD 5041 **Project Development**

Old code 07541/07541X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1. **Classes**: External/distance mode.

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

### AHCD 5069 **Project Evaluation (Practice)**

Old code 07569X. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning. **Prerequisite**: Project Evaluation (Theory) AHCD 5068 (07568X).

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

### AHCD 5068 **Project Evaluation (Theory)**

Old code 07568X. 6 credit points. **Semester**: 1, 2. **Classes**: External/Distance Mode.

Students examine the theoretical base and underlying assumptions, strengths, limitations, and suitability of evaluation theories and models. They also explore a range of evaluation tools and consider different approaches to investigating services/programs/projects in health and community settings.

### AHCD 5042 **Project Management**

Old code 07542/07542X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: External/distance mode.

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

### AHCD 5043 **Project Report**

Old code 07543X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: External/distance mode.

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

### BACH 5309 **Psychological Assessment of Children and Adolescents**

Old code 2559F/2559FX. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Dr Diana Kenny (02) 9351 9644. **Semester**: 1, 2. **Classes**: Contract learning. **Prerequisite**: Psychology of Children and Adolescents. **Assessment**: Case study and literature review.

The assessment of children and adolescents requires an understanding of the course and impact that developmental factors play in cognition, personality and behaviour. It requires a capacity to utilise questionnaire as well as text-based assessment schedules. This course expects students to be aware of assessment issues such as psychometric values of testing (reliability and validity), the nature of various tests, and a capacity to interview (children, adolescents, and families).

Practical: Observation of assessment and use of psychological tests. Stidents must have a background of psychology majors and if studying by distance a local psychologist as supervisor.

**Practical**: Observation of assessment and use of psychological tests

*Textbooks*

T.B.A.

### BACH 5321 **Psychology for Graduate Students**

Old code 2559RX. 6 credit points. Dr Chris Lennings (02) 9351 9587. **Semester**: 1, 2. **Classes**: External/distance mode. **Assessment**: Literature review.

This subject provides students with an understanding of the major theoretical perspectives, concepts and vocabulary of psychology. Psychology is concerned with the science of human behaviour – how individuals perceive, think about, and behave in the work. It is concerned with identifying the internal determinant (characteristics unique to the person, and part of the physical or psychological make-up) and the external determinants (physical environment and social context) the impact upon the individual. It is also concerned with the way in which people change over time, as well as explaining and predicting what they might do at any one time. The unit aims to position psychology as an essential ingredient in understanding health psychology. The unit is available by distance and by individual learning contract.

*Textbooks*

Pathways to Psychology. Sternberg, R. (1999).

### BACH 5147 **Psychology of Ageing**

Old code 2554U. 6 credit points. Dr Steve Cumming (02) 9351 9404, and Dr Lynn Harris (02) 9351 9162. **Semester**: 2. **Classes**: On campus, directed independent and contract learning.

This elective develops a biopsychological approach to examining the psychology of late adulthood. It considers the psychological impact of the changes of social, environmental, economic, and relationship patterns that occur as people age, as well as examining the psychological concomitants of physical ageing process. The interrelation between biological, social and environmental factors with psychological function will be considered both in the context of the healthy aging process and in the context of age-related physical and mental illnesses. Broader issues related to psychologically appropriate design and delivery of therapeutic services of the elderly will be highlighted.

### BACH 5238 **Psychosocial Aspects of Sport**

Old code 2557G. 4 credit points. Mr Ian Andrews (02) 9351 9588. **Semester**: 2. **Classes**: Contract learning.

The first part of this unit considers psychological factors in sports performance. Topics covered include: managing motivation, anxiety and aggression; arousal-performance relationships; psychosocial characteristics of peak performance; personality and sport performance; relaxation and energising techniques; cognitive techniques; attention control training; goal-setting; leadership; team cohesion; athlete staleness and burnout; stress, injury and psychological rehabilitation.

The second part of the unit is concerned with the historical development of leisure and its relationship to work; sport as a dominant aspect of Australian culture; sources of tensions and conflicts in sport and leisure which are related to power, race, class, gender, age, ideology in sporting and leisure contexts.

### BACH 5324 **Psychotherapy**

Old code 2559V. 6 credit points. Dr Chris Lennings (02) 9351 9587 and Assoc Professor Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract learning. **Prerequisite**: Counselling. **Corequisite**: Advanced Counselling. **Assessment**: Detailed case plan.

Psychotherapy has an eclectic history. It is essentially the gathering of techniques and theories from a variety of different fields with the core similarity of 'helping'. The unit explores six modules, investigating the nature of psychotherapy and relationship with counselling, the development of psychodynamic approaches to counselling, the use of cognitive behavioural skills, and Action therapies in psychotherapy, and teaches students how to develop a therapy plan and integrate assessment and practice with their clients. The unit is delivered as a series of six seminars. Assessment requires the students to develop a case plan.

*Textbooks*

Fundamental of Clinical & Counselling Psychology. 3rd Edition. Todd, C. & Bohardt (1996).

### BACH 5074 **Reflective Inquiry in Practice**

Old code 2552RX. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Web based. **Assessment**: Continuous.

*NB: Internet access is necessary*

In Reflective Inquiry in Practice students participate in a learning set to read, plan, implement, reflect and report on a reflective inquiry project. Participants use reflective inquiry cycles that can be applied in action learning, professional development, reflective practice, problem solving, diagnostic professional practice, continuous improvement, and action inquiry.

Reflective Inquiry in Practice is delivered through the Internet for on-campus study, distance education, workplace learning or facilitated learning. Access to the World Wide Web is essential.

*Textbooks*

www.fhs.usyd.edu.au/bach/5074

### BACH 5058 **Residential Care Policies and Services**

Old code 2552B/2552BX. 6 credit points. A/Prof Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web based off-campus mode.

This unit provides an overview of the development and implementation of residential care policies for older Australians

and explores specific issues in the delivery of residential aged care services.
*Textbooks*
www.fhs.usyd.edu.au/bach/5058

### BACH 5034 The Residential Care Setting and Older People

Old code 2551N. 6 credit points. Assoc. Prof. Cherry Russell (02) 9351 9129. **Semester**: 1, 2. **Classes**: Web-based; external/distance mode. **Assessment**: Three assignments.
This unit examines the environment of supported accommodation from the perspective of older residents and professional care staff. 3 Modules: Quality of life in residential care; Working in residential care; Managing for quality in residential care.
*Textbooks*
www.fhs.usyd.edu.au/bach/5034

### BACH 5305 Risk Management and Rehabilitation Policy

Old code 2559B/2559BX. 6 credit points. Dr Carol O'Donnell (02) 9351 9580 and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Contract learning; external/distance mode. **Assessment**: Two assignments.
Students will be taught the basic principles for continuous improvement in health related service delivery. They will produce a risk management plan related to health promotion or consumer protection, or will undertake a critical evaluation of the effectiveness of an individual's occupational rehabilitation. Particular attention will be drawn to the Australian and New Zealand Standards on Risk Management (AS / NZS 4630:1999).
**Practical**: Yes

### AHCD 5027 School Health A

Old code 07527. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Contract learning.
Schools are among those domains that provide opportunities for their residents, students, teachers, parents and others to develop a healthy behaviour that will enable them to reach their fullest potential. The purpose of this unit is to make the participants familiar with the concept of Healthy Schools a new approach in building a healthy community.

### BACH 5172 Social Change and Health Services

Old code 2555L. 6 credit points. Dr Ian Hughes. **Semester**: 1, 2. **Classes**: Contract learning.
This elective will assist the student to develop an understanding of the processes of social change in health care systems, and will develop an ability to evaluate the efficiency of proposed structural and role changes within the health care system, and the implications of those changes for the quality of health care provided.
*Textbooks*
www.fhs.usyd.edu.au/bach/5172

### AHCD 5053 Social Justice and Indigenous Health

Old code 07553X. 6 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: External/distance mode.
This unit of study focuses on social justice as a fundamental principle in understanding the current situation of Indigenous health in Australia. Concept of power and historical settings and their impact on social justice, human rights, equity and access to services will be explored. Models of change aiming toward individual and community empowerment, organisational and institutional change theories will be examined and utilised in the development of plan to bring about changes in the community, workplace or institutions. Strategies such as International Human Rights mechanisms, domestic policies and laws, social and community development models and principles of advocacy and equity will be the major components of this unit of study at micro and macro levels.

### BACH 5174 Social Theory and Special Groups

Old code 2555N. 6 credit points. Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 2.
This elective gives students a basic understanding of social theory. As an example of a special group which might be studied, it examines women's health in the context of social class and gender divisions in Australian Society. Students will be encouraged to consider as research issues patterns and concerns regarding the status of women's health using socialist, feminist and psychoanalytic perspectives. Research into particular ethnic groups and multicultural issues are also within the scope of this elective.

### BACH 5322 Sociology for Health Professionals

Old code 2559S/2559SX. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1. **Classes**: External/distance mode.
The aim of this unit is to develop an understanding of basic sociological concepts and theories and their applications in analysing health issues. It also aims to develop an ability to critically examine and evaluate aspects of a familiar society in order to extend an understanding of the social structures, institutions and processes relevant to health issues. It will provide opportunities for enhancing linguistic, writing, and analytical skills by introducing some of the sociological methods of collecting, analysing and reporting health data.
www.fhs.usyd.edu.au/bach/5322
*Textbooks*
www.fhs.usyd.edu.au/bach/5322

### BACH 5243 The Sociology of Deviance

Old code 2557L. 6 credit points. **Semester**: 1. **Classes**: Contract learning.
This unit will use the paradigms developed by the theoretical approach to the sociology of deviance to examine adolescent behaviour in relation to substance abuse, homelessness and other non-traditional lifestyles. This unit will incorporate an historical approach to community breakdown, social control, the effects of media imagery and the changing approaches of social control agents such as governments, the legal system, law enforcement officers and medical personnel. An analysis of legislation and of royal commission findings will be made using structural and interactional theories.

### BACH 5059 Sociology of Gender Relations

Old code 2552C. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.
This elective examines research perspectives concerning gender relations within the structure of industrial capitalism, with particular focus on relations of power, the sexual division of labour, sexuality, the social construction of gender, production and reproduction and family.

### AHCD 5031 Strategic Planning A

Old code 07531X. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 1, 2. **Classes**: Contract learning.
*NB: A 6 credit point version of this unit of study [AHCD 5064 (07564X)] is also available. Check with the School for more information.*
Strategic planning is vital for the future of health organisations as well as business and government agencies. This elective is designed to provide health professionals with a model and set of tools in order to develop a long range strategic plan for an organisation. Students may use this opportunity to support the writing of a strategic plan for an organisation to which they belong.

### BACH 5178 Stress and Disability

Old code 2555R. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.
This elective examines the incidence of various 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 5180 Stress and Illness

Old code 2555T. 6 credit points. Dr Gomathi Sitharthan (02) 9351 9584. **Semester**: 1. **Classes**: Contract learning. **Assessment**: Assignments.
The nature of the relationship of the psychophysiological stress response and the development of illness will be explored and critically evaluated in this elective. A range of disorders will be considered, for example headaches, coronary heart disease and diabetes. Current research literature across a variety of relevant disciplines will be evaluated as a background to original research. An introduction to the theoretical and practical aspects of a range of stress management techniques is provided. Emphasis will be placed on the research utility of those techniques commonly included in stress-management 'packages', such as relaxation, biofeedback, cognitive restructuring and time management. This is an on-campus directed independent study unit.
*Textbooks*
Stress and Health. 3rd Edition. Rice, PC. (1999). Melbourne: Brooks/ Cole Publishing Company.

### PHTY 5159 **Structuring & Managing Clinical Education Placements**

Old code 16588X. 6 credit points. Prof Joy Higgs, J.Higgs@fhs.usyd.edu.au; Ms Cheryl Hobbs, c.hobbs@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Distance and one to two on campus block workshops. **Assumed knowledge**: Professional practice and teaching experience. **Assessment**: Workplace project – Reflective diary on experiences in organisation and administration of your clinical placement OR A practical guide for organising your clinical placement (70%) Participation in on campus workshop OR Essay on clinical education management (30%).

Within the overall curriculum framework planned by the university school where the students are enrolled, fieldwork and clinical educators face the task of designing, implementing and evaluating clinical/fieldwork practicums/placements. They need to liaise with the relevant educational and fieldwork/clinical institutions. This unit will focus on the practical aspects of structuring and organising clinical placements. It will deal with the various organisational, interpersonal, and administrative aspects of this challenging task. Part of the learning will entail reflecting on the participants' experience in conducting clinical education and exploring new strategies for structuring their clinical education/fieldwork placements. This will be supplemented by an on campus workshop and independent learning based on readings and self-directed learning activities.

### BACH 5248 **Subcultural and Cross Cultural Issues: The Costs of Marginality**

Old code 2557Q. 6 credit points. Dr Zakia Hossain (02) 9351 9340. **Semester**: 2. **Classes**: Contract learning. **Assessment**: Assignments.

Much work has been done illuminating the different courses taken in the development of self-concept and self-esteem in minority group children and adolescents. This unit will consider the child and adolescent in cultural context, revealing the relative nature of the concept of 'adjustment' and exploring the particular challenges faced by migrant and refugee children and adolescents as well as those of indigenous minority groups. Possible interventions will be discussed in easing adjustment required by cultural transitions. The different social effects of similar behaviours evidenced by different cultures will be discussed with special emphasis on the criminalisation of self-destructive behaviours in some cultural groups. Avenues of social change and service provision will be explored.

*Textbooks*

Materials from various sources

### BACH 5042 **Teaching Clinical Reasoning**

Old code 2551V/2551VX. 6 credit points. Ms Victoria Neville (02) 9351 9118. **Semester**: 2. **Classes**: Email and web support; independent learning package; external/distance mode. **Assessment**: Assignment based (non-exam).

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

*Textbooks*

Clinical Reasoning in the Health Professions. 2nd Edition. Higgs, J. & Jones, M. (2000). Butterworth Heinneman.

### BACH 5047 **Teaching with Reduced Resources**

Old code 25520/25520X. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 2. **Classes**: Independent learning package; for on-campus and off-campus (no classes). **Assumed knowledge**: Adult Learning BACH 5001 (25500/25500X) and Educational Design BACH 5002 (25501/25501X). **Assessment**: Essays, observation report (no exam).

This unit tackles the perplexing issues to do with providing effective learning experiences in the face of shrinking resources in education. Independent learning packages and email support. Assessment is (non exam) assignment based.

**Practical**: Video of self practicing skills

### PHTY 5134 **Therapy in Disorders of the Hand**

Old code 16565. 6 credit points. Ms Rosemary Prosser, rosemary_hands@msn.com.au; Mr Martin Mackey, M.Mackey@fhs.usyd.edu.au. **Semester**: 2. **Classes**: On-campus (block) and off campus distance mode. **Assumed knowledge**: Graduate experience in hand therapy as a qualified Physiotherapist or Occupational Therapist. **Assessment**: Seminar presentation, participation, essay, group participation and mastery of practical skills.

This unit of study provides the student with the opportunity to improve their knowledge and skills in the area of common hand pathologies including fractures and dislocations, arthritis wrist, tendon and nerve injuries. Assessment and treatment strategies used specifically for hand injuries and conditions will be addressed including impairment, sensibility and disability testing, splinting, and exercise. Practical clinical skills in hand therapy will be also be covered, further development of which will occur in the clinical practice units of study.

### BACH 5063 **Therapy with Children, Adolescents and their Families**

Old code 2552G. 6 credit points. Assoc. Prof. Dianna Kenny (02) 9351 9644. **Semester**: 2. **Classes**: Contract learning. **Assessment**: Assignments.

Theoretical models addressing concerns specific to children and adolescents will be considered covering a variety of theoretical perspectives; including behavioural, psychoanalytic and systemic. These models will provide a background for developing interviewing techniques. Students will gain practical skills in interviewing the client within the context relevant to the presenting problem; for example the student will learn when to interview an individual and when to interview the entire family. The unit will conclude with a consideration of the role of the therapist during the process and termination of therapy.

*Textbooks*

SPSS Analysis Without Anguish. Coakes, S.J. & Steed, L.G. (1999).

### BACH 5182 **Visualisation and Imagery**

Old code 2555V. 6 credit points. **Semester**: 1, 2. **Classes**: Contract learning.

This elective examines the role of visualisation, and of imagery generally, in the healing context from both a psychological and sociological/anthropological perspective. Students can choose one or more of the following topics, or they can choose a related topic. (1) The techniques used to enhance imagery skills. (2) The factors controlling imagery as predictor of wellbeing, illness and treatment outcomes. (3) Altered states of consciousness and health.

### AHCD 5007 **Women's Health A**

Old code 07507. 4 credit points. Enquiries (02) 9351 9393. **Semester**: 2. **Classes**: Contract Learning.

This unit seeks to examine the pattern and source of women's health in Australia and to critically evaluate health care services for women.

## ■ Research electives

### AHCD 5048 **Action Research**

Old code 07548/07548X. 6 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Off-campus web based.

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

### AHCD 5049 **Action Research**

Old code 07549. 8 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au.

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.

### BACH 5066 **Developing a Research Project**

Old code 2552J. 8 credit points. Ms Kate O'Loughlin. **Classes**: Attendance required; external/distance mode.

This unit provides an overview of the research process and focus on the formulation of a research proposal. It provides students with an opportunity to review and update their knowledge of research methods, and introduce the research electives which concentrate on a particular methodology or aspect of the research process. Basic research design issues are considered. Various methods of data collection are examined together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary

data analysis. Emphasis is placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures are briefly reviewed and applications such as epidemiology and evaluation research are introduced. This unit is usually offered on Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

### BACH 5268 **Developing a Research Project**

Old code 2558A/2558AX. 6 credit points. Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Attendance required; Mondays from 5 to 8pm in Semester 1 or by off-campus mode in Semester 1 or Semester 2.

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

### BACH 5100 **Epidemiological Research**

Old code 2553I. 8 credit points. Dr Kaye Brock (02) 9351 9124. **Semester**: 1, 2. **Classes**: On-campus 3 hours/week. **Assumed knowledge**: Basic research methods. **Prerequisite**: Some undergraduate research methods. **Assessment**: Assignments and examination.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis. A guided epidemiological review of the students research interest will be undertaken in this subject. Statistical methods in epidemiological data analysis will be reviewed.

*Textbooks*

Epidemiology in Medicine. Hennekens & Buring.

### BACH 5302 **Epidemiological Research**

Old code 25598. 6 credit points. Dr Kaye Brock (02) 9351 9124. **Semester**: 1, 2. **Classes**: On-campus 3 hours/week. **Assumed knowledge**: Basic research methods. **Prerequisite**: Some Undergraduate research methods. **Assessment**: Assignments and examination.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of a causal hypothesis.

*Textbooks*

Epidemiology in Medicine. Hennekens & Buring

### BACH 5328 **Evaluating Health Interventions**

Old code 2559Z/2559ZX. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Web based (may be some evening classes). **Assessment**: Continuous. Project based assignments and participation.

Researchers and professional evaluate health interventions to improve knowledge of health, disease and clinical practice, and to support decision making for improved health services. This unit will enable students to make informed choices among a range of evaluation perspectives, theories, methods and designs. www.fhs.usyd.edu.au/bach/5328

*Textbooks*

J.Ovretreit (1998) Evaluating Health Interventions, Buckingham: Open University Press. www.fhs.usyd.edu.au/bach/5328

See www.usyd.edu.au/bach/5238.

### AHCD 5046 **Evaluation Research**

Old code 07546. 6 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au. **Semester**: 1. **Classes**: Contract learning.

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

### AHCD 5047 **Evaluation Research**

Old code 07547. 8 credit points. Dr Freidoon Khavarpour (02) 9351 9127, F.Khavarpour@fhs.usyd.edu.au.

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

### DHSC 7003 **Foundations for Doctoral Studies**

Old code 26703. 6 credit points. Dr Ian Hughes (02) 9351 9582, i.hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: On-campus; off-campus/distance mode. **Assessment**: Continuous.

Participants will gain knowledge and skills to meet the challenges of study at the doctoral level, and of professional practice in the information age. Students will develop skills of: accessing; evaluating and retrieving information; advanced literacy; critical thinking; analytical writing and effective communication. This will include the manipulation and presentation of quantitative and qualitative data.

There will be flexibility in selecting curriculum content to match the background and needs of each student. Practical exercises may include annotated bibliography, critical review of literature or policy documents, formation of tables and graphs, report, seminar presentation or article. This unit is web supported, www.fhs.usyd.edu.au/bach/7003.

*Textbooks*

www.fhs.usyd.edu.au/bach/dhsc7003

### BACH 5098 **History & Philosophy of Scientific Methodology**

Old code 2553G. 8 credit points. **Semester**: 1.

This unit is designed to provide students with a critical perspective 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.

### 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

### BACH 5253 **Intermediate Statistics**

Old code 2557V. 6 credit points. Dr Peter Choo (02) 9351 9583 and Dr Zakia Hossain (02) 9351 9340. **Semester**: 1, 2. **Classes**: On-campus, Night classes. **Assumed knowledge**: Basic statistics and research design. **Prerequisite**: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. **Assessment**: Written reports, written 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. This unit is usually offered on Mondays 5–8pm.

### BACH 5312 **Intermediate Statistics**

Old code 2559I. 8 credit points. Dr Peter Choo (02) 9351 9583, and Dr Zakia Hossain (02) 9351 9340. **Semester**: 1, 2. **Classes**: On-campus. Night classes. **Assumed knowledge**: Basic statistics and research design. **Prerequisite**: Research Methods I and Research Methods II: Data Analysis and Statistics, or equivalent. **Assessment**: Written reports and written 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. This unit is usually offered on Mondays 5–8pm.

### BACH 5327 **Internet Research**

Old code 2559YX. 6 credit points. Dr Andrew Campbell. a.campbell@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Internet delivery for on-campus and external/distance mode. **Assumed knowledge**: Basic knowledge of research approaches and methods. **Assessment**: Project based assignments and participation.

This unit of study teaches Web-Based management strategies that focus on data collection, analysis and dissemination over the Internet, by either using the Internet as a tool, resource or topic of Investigation.

Students taking this unit of study will acquire the knowledge and skills to conduct research projects by using the Internet and will be able to effectively apply such techniques in many research and applied employment positions. www.fhs.usyd.edu.au/bach/5327

*Textbooks*

www.fhs.usyd.edu.au/bach/5327

### BACH 5329 **Introduction to SAS**

Old code 255A2. 6 credit points. Dr Zakia Hossain (02) 9351 9340 and Dr Kaye Brock (02) 9351 9124. **Semester**: 1.

This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data managements and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

### BACH 5330 **Introduction to SAS**

Old code 255A1. 8 credit points. Dr Zakia Hossain (02) 9351 9340 and Dr Kaye Brock (02) 9351 9124. **Semester**: 1.

This unit teaches students to use SAS for Windows computer package to manage and analyse research data using a range of standard statistical procedures. The unit provides students with skills in both data managements and statistical analysis (in particular categorical). Data management procedures will include data transformation, selection, importing and exporting. Statistical analyses include descriptive statistics, t-test, chi-square, ANOVA, correlation, regression. Regression will include simple, multiple and conditional analysis. Teaching is by on-campus mode only, using contract learning with practical assignments for assessment.

### BACH 5050 **Issues in Educational Research**

Old code 25523. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1, 2. **Classes**: Contract learning. **Assumed knowledge**: Adult Learning Theory and Graduate Skills. **Assessment**: Essay (non exam).

This unit explores issues in educational research, including using theories and conceptual frameworks to help deal with multiple dimensions of the educational process, and considers some of the methodologies used in educational research.

### BACH 5256 **Multivariate Statistics**

Old code 2557Y. 6 credit points. Dr Peter Choo (02) 9351 9583. **Semester**: 1, 2. **Classes**: Contract learning. **Prerequisite**: Intermediate Statistics (10503), or equivalent.

This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

### BACH 5314 **Multivariate Statistics**

Old code 2559K. 8 credit points. Dr Peter Choo (02) 9351 9583. **Semester**: 1, 2. **Classes**: Night classes; Contract learning. **Prerequisite**: Intermediate Statistics (10503), or equivalent.

This unit examines a variety of multivariate designs and statistical procedures including factor analysis, discriminant function analysis, analysis of covariance. Other procedures will be considered according to the needs and interests of enrolling students.

### BACH 6042 **Qualitative Research Methods**

Old code 25641. 8 credit points. Dr Cherry Russell (02) 9351 9129. **Semester**: Full year. **Classes**: Attendance required. 3 hours/week. **Assessment**: 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 in small groups. This unit is usually offered on Wednesdays 4–7 pm.

### DHSC 7002 **Research and Inquiry in the Health Professions**

Old code 26702. 6 credit points. **Semester**: 2. **Classes**: On-campus; off-campus/distance mode.

This unit provides an overview of the research process applied to the formulation of a research proposal. Students will review and update their knowledge of a range of research designs and approaches to data analysis, and will consider the advantages of alternative strategies for addressing particular research questions. Students explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs, and data resulting from experimental, interview, observation, single case and survey research methods. At the conclusion of this unit, students will have developed a research proposal for answering a research question of their choosing.

### BACH 5285 **Research Design**

Old code 2558R. 6 credit points. **Semester**: 1. **Classes**: External/distance mode.

This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

### BACH 5311 **Research Design**

Old code 2559H. 8 credit points. **Semester**: 1, 2. **Classes**: External/distance mode.

This unit has been designed especially for distance learning students in stage 3 of the Master of Rehabilitation Counselling (by coursework) program. It introduces students to the research process and focuses on developing informed consumers of research. The unit includes consideration of the philosophy of science, research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in the health sciences including needs assessment, evaluation research, action research and epidemiology. Assessment for this subject will include a final exam, weekly exercises and formulation of a research prospectus.

### OCCP 6008 **Research Design and Methods**

Old code 15502. 6 credit points. Dr Maureen Fitzgerald (02) 9351 9216. **Semester**: 1, 2. **Classes**: on-campus, Group discussion, Group work. **Assessment**: Assignments.

*NB: units of study on offer vary from year to year. Check OLS Web site for details.*

The purpose of this unit is to explore a variety of research designs, research methods, and related issues appropriate to applied research. The exploration will be accomplished through student led seminar discussions of selected readings and each student will develop a research proposal on a topic of their choice. Content will include such things as: an overview of appropriate research designs, strengths and weaknesses of a broad selection of designs and methods, reliability and validity, selection of a study population, research ethics, development of

research statements and questions, proposal writing, and the use of computers and other technology in research.

### BACH 5053 **Research Elective Independent Study**

Old code 25526. 6 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1, 2. **Classes**: Contract learning. **Assessment**: Negotiated.

*NB: For Health Science Education students only.*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

### BACH 5096 **Research Elective Independent Study**

Old code 2553E. 8 credit points. Ms Fran Everingham (02) 9351 9116. **Semester**: 1.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

### OCCP 5145 **Research Elective Independent Study**

Old code 15579. 6 credit points. Dr Christine Chapparo (02) 9351 9206. **Semester**: 1, 2. **Assumed knowledge**: Designing Health Research, and Analysing Quantative Health and Social Research, and Analysing Qualitative Health and Social Science Research; or equivalent. **Assessment**: Assignment (6000 words) 100%.

*NB: For Occupation and Leisure Science graduate research students only*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

*Textbooks*

Course notes and readings provided dependent on the research methodology used.

### PHTY 5067 **Research Elective Independent Study**

Old code 16505. 6 credit points. Prof. Joy Higgs (02) 9351 9070. **Semester**: 1, 2.

*NB: For Physiotherapy research students only*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

### PHTY 5094 **Research Elective Independent Study**

Old code 16529. 8 credit points. Prof. Joy Higgs (02) 9351 9070. **Semester**: 1, 2.

*NB: For Physiotherapy research students only*

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methods in preparation for their thesis.

### BACH 5240 **Research Methods**

Old code 2557I. 3 credit points. Dr Peter Choo (02) 9351 9583. **Semester**: 2. **Classes**: On-campus. **Assessment**: Written examination.

*NB: Exercise and Sports Science only*

Familiarity is assumed with basic descriptive and inferential methods. These basic methods are expanded upon with the major focus being on problem solving with a view to extracting meaning from data. The emphasis is on practical application of methodologies with extensive use made of modern statistical software. The nexus between design and analysis is stressed using a linear model approach to demonstrate the partitioning of variance and the behaviour of random error. Single and multiple variable models are considered. The specific research designs and strategies used to illustrate concepts will be tailored to the needs and expectations of the students.

### BACH 5310 **Research Methods I: Design**

Old code 2559G. 2 credit points. Dr Rob Heard (02) 9351 9498. **Semester**: 1. **Classes**: On-campus. **Assessment**: Written examinations.

*NB: For existing Graduate Diploma of Health Science (Health Information Management) students only.*

This unit introduces students to the research process and focuses on developing informed consumers of research. The unit begins with brief consideration of the philosophy of science, then covers research ethics, qualitative and quantitative research, the development of research questions and the specification of hypotheses and variables, conceptualisation and operationalisation, sampling issues, validity and reliability. A broad range of research methods will be introduced, including experimental research, single case designs, surveys, interview and observational studies, secondary data analysis and content analysis. Data quantification techniques will be discussed and students will be introduced to research applications in health sciences including needs assessment, evaluation research, action research and epidemiology.

### BACH 5026 **Special Investigation**

Old code 2551F/2551FX. 6 credit points. Dr Ian Hughes. I.Hughes@fhs.usyd.edu.au. **Semester**: 1, 2. **Classes**: Contract learning on- and off-campus. **Assessment**: Negotiated learning contract.

This unit provides participants with an opportunity to undertake a critical review of the literature in relation to a significant topic or issue of relevance to their professional interest.
www.fhs.usyd.edu.au/bach/5026

*Textbooks*

www.fhs.usyd.edu.au/bach/5026

### BACH 5061 **Statistical Analysis with SPSS**

Old code 2552E. 6 credit points. Dr Peter Choo (02) 9351 9583 and Ms Karen Pepper (02) 9351 9589. **Semester**: 1, 2. **Classes**: Contract learning including a small number of on-campus. **Assessment**: Practical assignments.

This unit teaches the student to use the SPSS for Windows computer package to manage and analyse research data using a range of common statistical procedures. Data management procedures will include data transformation and selection, and import and exporting data. Statistical analyses to be covered include descriptive statistics, t-test, analysis of variance, correlation and regression, chi-square, non-variance, multiple regression, and factor analysis.

*Textbooks*

SPSS Analysis Without Anguish, Coakes, S.J. & Steel, L.G. (1999)

### BACH 5011 **Survey Research Methods**

Old code 25510. 6 credit points. Dr Peter Choo (02) 9351 9583 and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 1, 2. **Classes**: Contract learning; night classes.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed. This unit is usually offered on Mondays from 5–8pm.

### BACH 5315 **Survey Research Methods**

Old code 2559L. 8 credit points. Dr Peter Choo (02) 9351 9583 and Ms Kate O'Loughlin (02) 9351 9531. **Semester**: 2. **Classes**: Contract learning; night classes.

This unit examines survey research design principles and considers conceptualization, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and keypunching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed. This unit is usually offered on Mondays from 5–8pm.

### DHSC 7001 **Theory in the Health Professions**

Old code 26701. 6 credit points. Dr Rod Rothwell. **Semester**: 1. **Classes**: On-campus; external/distance mode. **Assessment**: Three assignments.

This unit explores the range of philosophical and theoretical issues relating to research and practice in the health sciences. These include: epistemological and historical accounts of science; theoretical foundations of scientific method and practice; history of ideas relating to health and sciences; uses of conceptualisation and theory in health research and practice. Students will be encouraged to discuss these issues and relate them to their own professional practice and proposed research projects.

*Textbooks*

Extensive study notes provided

# 22 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 settings 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 settings 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 settings. 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 attire 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 nonstandard 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. Sydney University Sports Union 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 settings. 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 of Health 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 of Health 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 of Health 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 of Health 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* submitting 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 of Health, 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
Campbelltown Community Health Centre
Central Sydney Area Health and Service
Child, Adolescent and Family Health Services, Glebe
Ingleburn Community Health Centre
Penrith Community Health Centre
Royal Blind Society for NSW – Enfield, Newcastle and Canberra
Royal Far West Children's Health Scheme, Manly
Royal Institute for Deaf and Blind Children

### Private practitioners

Dr M Branley – J McCann, A Enriquez
Bondi Junction Laser Sight Centre
Dr P S Duke – F Ardati
Eastwood Eye Surgery
Eye Associates, Sydney
Eye Institute, Chatswood
Dr M P Flaherty – R Lewarne
Dr I Francis – M Rice
Dr S Franks – M Award, L Nguyen
Dr T Haymet – S Platt
Dr M Hennessy – R Turnbull
Dr G S Horowitz
Dr A Hunyor – A Pryke
Dr S Irvine – M McGuire
Laser Sight Centre, Parramatta
Dr D McKay
Marsden Eye Specialists, Parramatta
Dr F Martin – L Sloan
Metwest Eye Centre, Blacktown
Dr C N Moshegov – C Kuah
Drs P Myers, K Sindhu – A Caguin
Dr M Newman
North Shore Eye Centre, St Leonards
Dr A Rosenberg – Y Pham-Vu
Sebban Eye Centre
Dr J Smith
Sydney Eye Specialist Centre, Kingsford
Dr S Wine – A Coyne
Dr R Wingate
Dr J Yip – K Scanlon

## ■ 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 workplace attachment program in the Bachelor of Behavioural Health Science and field experience in the Bachelor's degree, Graduate Diploma and Master's degree courses in Rehabilitation Counselling.

### Bachelor of Behavioural Health Science

Centrestone Wealth Management Group Ltd
Child Abuse Prevention Service
Co.As.It – Italian Association of Assistance
Council on the Ageing (NSW) Inc
Department of Community Services
Family Planning NSW
GAME – St Vincent de Paul Society
Hepatitis C Council of NSW
Hills Community Centre
Inner Sydney Regional Council for Social Development
Jewish Care
Municipal Employee's Union
Recreation & Peer Support Inc
Sydney Water
The LEAD Group
The Lorna Hodgkinson Sunshine Home

### Rehabilitation Counselling

### Public hospitals and community health services

***Metropolitan***

Bridgeway House, Western Sydney Area Health Service
Create Team of Ryde Community Mental Health Service, Gladesville
Diabetes Service, Westmead Hospital
Granville Rehabilitation Service, Western Sydney Area Health Service
Herbert Street Clinic, St Leonards
Hornsby Alcohol Other Drugs & Gambling Service, Hornsby Hospital
St George Hospital Cardiac Rehabilitation Service, St George Heart Failure Service, Kogarah
University of Sydney Pain Management & Research Centre, Royal North Shore Hospital
Western Sydney Area Health Service, Parramatta
Westmead Hospital – Dept of Rehab Medicine

***Country***

Illawarra Area Health Service – Mental Health

### Private hospitals

Hyson Green, Calvary Private Hospital, Bruce ACT
The Northside Clinic, Greenwich
South Pacific Private Hospital, South Curl Curl

### Government departments and agencies

***CRS Australia***

*Metropolitan*

Ashfield; Bankstown, Campbelltown, Chatswood, Darlinghurst, Dee Why, Epping, Miranda, Mt Druitt, Rockdale, Sydney

*Country and interstate*

Bathurst, Batemans Bay, Bega, Canberra, Lismore, Moree, Newcastle, Nowra, Orange, Tamworth, Whyalla, Wollongong
Ambulance Service of NSW, Rozelle
Dept of Ageing, Disability and Home Care, Alexandria
Dept Corrective Services – Disability Services unit, Sydney
Metropolitan Remand & Reception Centre, Silverwater
Mulawa (Women's) Correctional Centre
NSW Fire Brigade, Sydney
Probation and Parole Service, Parramatta
Silverwater Correctional Centre
WorkCover, NSW
WorkCover QLD, Brisbane

### Community agencies and private organisations

***Metropolitan***

The 491 Centre , Leichhardt
Absolute Injury Management, The Junction
Accent Rehabilitation Service, Penrith
Active Employment, Parramatta
Active Occupational Health Services, Liverpool
Active Working Solutions, North Strathfield
Advanced Personnel Management, Sydney
Aftercare, Leichhardt
Allianz Australia Ltd, Sydney
ARAFMI NSW Inc, North Ryde
Australian Foundation for Disability (AFFORD),
Australian Injury Management, Llandilo

Barnados, Mt Pleasant
Break Thru Employment Solutions, Blacktown, Liverpool
Care Employment, Enfield
CGU – Workers Compensation, Pyrmont
Chinese Australian Services Society (CASS), Ashfield
The Chronic Pain Group, Gordon
CMS Rehab, Bankstown
Crawford Healthcare Management Services, Chatswood
Crossroads Consulting, Balmain
Dulkara Adult Day Service (Inala), Cherrybrook
Empact Injury Management Services, Baulkham Hills
Exodus Foundation, Ashfield
Flintwood Disability Services Inc, Westmead
Haymarket Foundation, Surry Hills
Headway Adult Development Program, Bankstown
Hornsby Challenge (Network Job Services), Eastwood
House With No Steps, Belrose
ICLA, Surry Hills
IMR – Injury Management & Rehabilitation, Newtown
Inergise, Parramatta, Sydney
Injury Management Assist, Liverpool
Interaction Disability Services, Baulkham Hills
IOH Rehabilitation, Parramatta
IPC Employment, Campbelltown, Penrith, St Marys
IRS – Total Injury Management, Sydney
Jarrah House, Little Bay
Job Quest, Penrith
Job Support, Blacktown, Kingsgrove
Kathleen York House, Glebe
KS Consulting, Rydalmere
L'Arche, Burwood
The Maroubra Centre
Mend Services Pty Ltd, Forest Lodge, Lidcombe
Mission Employment, Auburn, Campbelltown, Campsie, Miller, Penrith
North West Disability Service, Baulkham Hills
Northern Beaches Interchange, Warriewood
NRMA Insurance Workers Compensation Division, Sydney
ORS, Parramatta
Pain Management Alliance, Liverpool
Park View Children's Respite, Bexley
Peckys Ltd, Prospect
PEP Employment Inc, Hornsby
Recovre, Sydney
Rehabilitation Services, Sydney
Re-Start Consulting, Lewisham
Riverlink Interchange, West Ryde
Rozelle Neighbourhood Centre
RTW Rehab, North Ryde
St Vincents Private Workhealth, Parramatta
Salvation Army Oasis Youth Support Network, Surry Hills
SEDS, Chatswood
Seven Hills School for Sensory Education
Solution Focus Consultants, Paddington
Spotless Group Ltd, Gladesville
S.T.A.R.T.T.S, Carramar
Studio Artes Northside Inc, Hornsby
Sydney Counselling Centre, Parramatta
Triple Care Farm, Robertson
Vincentian Village Care and Support Service, East Sydney
Wahroonga Rehabilitation Service
Wangee Park Special School, Lakemba
Wesley Life Skills, Belfield, Englorie Park, Granville , Milperra
Wesley Rehabilitation Services, Ashcroft
Wetherill Park School for Children with Autism
WIMS Workplace Injury Management Services, Miranda, Parramatta
Work Ready, Zetland
Work Solutions Group, Surry Hills
Workcare Medical, Bankstown
Workfocus Australia, Newtown
Youth Reach, Dee Why
Zurich Insurance, North Sydney

***Country and interstate***

Active Employment, Penrith, Springwood
Advanced Personnel Management, Brisbane
Advanced Personnel Management, Hobart
Best Practice Rehabilitation, Newcastle
Corporate Health Management, Glen Waverley
Essential Personnel, Nowra
Health Services Australia, Newcastle
Hills Street Occupational Rehabilitation Service, West Gosford
Hunter Rehab, Newcastle
Inergise, Coffs Harbour
IOH Rehabilitation, Wollongong
IRS – Total Injury Management, Newcastle, Orange, Wollongong
JCB (Health), Warners Bay
Kamira Farm, North Wyong
Mandala, Gosford
Peel Valley Training & Employment, Tamworth
PEP Employment Inc, Gosford
Professional Injury Management, Port Macquarie
Recovre Pty Ltd, Dubbo
Rehabilitation Solutions,Toronto
Wesley Life Skills (Post School Options/ATLAS), Woolooware
Workability Personnel, Batemans Bay, Bega, Cooma

## ■ School of Communication Sciences and Disorders

The School of Communication Sciences and Disorders wishes to acknowledge the contributions to our clinical education and fieldwork programs of the following agencies.

### Public hospitals

***Metropolitan***

Balmain Hospital
Bankstown/Lidcombe Hospital
Blacktown/Mt Druitt Hospital
Braeside Hospital
Camden Hospital
Canterbury Hospital
Childrens Hospital Westmead
Concord Hospital
Hornsby Kuringai Hospital
Liverpool Area Health Service
Lottie Stewart Hospital
Prince of Wales Hospital
Royal North Shore Hospital
Royal Ryde Rehabilitation Service
Community Integration Program, Royal Rehabilitation Centre
Ryde Hospital
Spastic Centre Ryde
St George Hospital, Kogarah
St Josephs Hospital, Auburn
St Vincent's Hospital
Sutherland Hospital
Sydney Children's Hospital
War Memorial Hospital, Waverley
Westmead Hospital

***Country / interstate***

Albury Base Hospital
Armidale Hospital
Blue Mountains District Hospital
Broken Hill Base Hospital
Coff's Harbour Hospital
Gosford Hospital
Launceston General Hospital
Lismore Base Hospital
Lourdes Hospital, Dubbo
Maitland Hospital
Tamworth Base Hospital
Wagga Wagga Base Hospital

### Community Health / NSW, Country, Interstate

Alice Springs Community Health Centre
Bankstown Community Health Centre
Burwood Community Health Service
Central Coast Health
Fairfield Community Health Service
Hornsby Community Health Service
Lower Nth Shore Child & Health Service
Mona Vale Community Health Centre
Ryde-Hunters Hill Health
St Clair Community Health Centre
Tamworth Community Health Centre
Sylvania Community Health Centre
Tweed Heads Community Health Centre
Department of Aging Disability and Homecare (DADHC)
Campbelltown DADHC

Cumberland Prospect DADHC
Dubbo DADHC
Metro-West Residences DADHC

### Community Agencies and Private

Organisations
Autism Association
Alice Betteridge School, North Rocks
Spastic Centre of NSW
Speech Pathology Services, NT
The SydneyCochlear Implant Centre

### Other organisations

Auburn West Primary School
Bankstown Primary School
Beverly Park Primary
Beverly Park Special School
Blaxcell St Primary School
Bonnyrigg Primary
Broderick / Gillawama Special School
DSA
Educational Speech Patholgy
Fort Dodge Australia
Mater Dei Special School
Mount Pritchard Primary School
Ngallia Child Care Centre
Regina Coelli Primary School
Saint Ignatius' College Riverview
Saint Brigid's Primary School
Saint Joan of Arc Primary School
Saint Joseph's Primary School
Saint Peter Chanel Primary School
Saint Therese 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 Hospital
Blacktown/Mt Druitt Health, Mt Druitt Campus
Canterbury Hospital
Cumberland Hospital, Parramatta
Fairfield Hospital
Hornsby and Ku-Ring-Gai Hospital
Liverpool Health Service
Macarthur Health Service
Manly and Mona Vale Hospitals and Community Health Services
Nepean Hospital, Penrith
Prince of Wales Hospital, Randwick
Concord Hospital
Royal North Shore Hospital, St Leonards
Royal Prince Alfred Hospital, Camperdown
Royal Ryde Rehabilitation Centre
Ryde Hospital
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 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
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
New England Health Service, Tamworth
Orange Base Hospital

Pambula Hospital
Port Macquarie Base Hospital
Princess Alexandra Hospital, Brisbane
Royal Darwin Hospital
Royal Newcastle Hospital
Royal Women's Hospital, Brisbane
Tamworth Hospital
The Canberra Hospital
Wollongong Hospital

***Overseas***

North District Hospital, Hong KongHospital Authority, Hong Kong
Prince of Wales Hospital, Hong Kong
Princess Margaret Hospital, Hong Kong
Queen Elizabeth Hospital, Hong Kong
Queen Mary Hospital, Hong Kong
Singapore General Hospital
Siriraj Hospital, Thailand
Gandong Provincial People's Hospital, China

### Private hospitals and nursing homes

Holroyd Private Hospital
Hurstville Community Cooperative, Hurstville
Illawarra Private Hospital
Kareena Private Hospital
Newcastle Mater Hospital, Waratah
Nepean Private Hospital
North Shore Private Hospital
President Private Hospital, Kirrawee
St George Private Hospital
St Vincent's Private Hospital, Darlinghurst
Strathfield Private Hospital
Sydney Adventist Hospital, Wahroonga
The Hills Private Hospital

### 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
National Centre for Classification in Health
New South Wales Health Department
North Coast Regional Office, Lismore
Northern Sydney Area Health Service, St Leonards
Orana and Far West Regional Office, Dubbo
Silverwater Correctional Complex
South East Regional Office, Goulburn
South West Regional Office, Wagga

### Other organisations

3M Health Care Group
Health Information Management Association of Australia, North Ryde
iSoft, North Sydney
Medical Benefits Fund of Australia
NHMRC Clinical Trials Centre, The University of Sydney
Prime Care Pty Ltd
Rolls Manufacturing, Castle Hill
STARTTS-Fairfield

## ■ 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 Pl. Albury
Bourke District Hospital
Bowral Hospital
Brisbane Waters Hospital Radiology
Broken Hill Health Service
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
Castlereagh Imaging, Windsor
Castlereagh Radiology, Mt Druitt
Castlereagh Radiology, Tamworth
Central Coast Radiology
Central Melbourne Medical Imaging
Central Queensland Medical Imaging
Central Sydney Imaging Ashfield
Central Sydney Imaging Newtown
Cessnock District Hospital
City Medical Imaging
City X-ray
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
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, Maitland
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 – Medical Imaging, QLD
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, Castle 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 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
North Coast Radiology
North Shore Radiology
North West Radiology – Castle Hill
North West Radiology, Blacktown
North West Radiology, Eastwood
North West Radiology, Hornsby
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, Caringbah
Primary Diagnostic Imaging, Mt Druitt
Prince Charles Hospital
Prince of Wales Hospital and Childrens
Queanbeyan District Hospital
Queens Medical Centre
Queensland X-ray
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 Andrews Private Hospital
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
Tamworth 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
Whistler Radiology Moruya
Wollongong Hospital
Wyong Hospital

### Nuclear Medicine

Allamander Private Hospital – Southport QLD
Bankstown-Lidcombe Hospital
Bell Imaging, Sunshine Hospital, VIC
Brisbane Waters Nuclear Medicine – Woy Woy
Burwood Nuclear Medicine Diagnostic Centre
Cabramatta Nuclear Medicine
Cairns Diagnostic Imaging
Camden Nuclear Medicine
Campsie Nuclear Imaging
Canberra Imaging Group – Deakin, ACT
Canterbury Bankstown Nuclear Imaging
Chatswood Medical Imaging
Christchurch Hospital, NZ
Coffs Harbour Nuclear Medicine
Concord Repatriation General Hospital
Dee Why Nuclear Medicine
Dubbo Private Hospital
Gosford Nuclear Medicine
Hornsby Ku-Ring-Gai Hospital
Hornsby Ku-Ring-Gai Nuclear Medicine
Illawarra Regional Hospital
John Flynn Hospital – Tugun, Qld
John Hunter Hospital – New Lampton
Kanwal Nuclear Medicine
Liverpool Hospital
Mater Private Hospital – South Brisbane
Mayne Health Diagnostic Imaging – Port Macquarie
Melbourne Children's Hospital
Mount Sinai Medical Centre – NY USA
National Capital Diagnostic Imaging – Civic, ACT
Nepean Hospital
Newtown Diagnostic Nuclear Medicine
Newtown Nuclear Medicine and Diagnostic Ultrasound
North Coast Nuclear Medicine – Buderim Qld
North Coast Radiology – Lismore
North Shore Private Hospital
Northshore Nuclear Medicine, Mater Hospital – Crow's Nest
Nuclear Medicine and Ultrasound Associates Group – Penrith and Westmead
Orange Base Hospital
Peter MacCallum Cancer Centre – East Melbourne
Queen Mary Hospital – Hong Kong
Royal Adelaide Hospital
Royal Brisbane Hospital
Royal Hobart Hospital
Royal Melbourne Hospital
Royal North Shore Hospital
Royal Perth Hospital
Royal Prince Alfred Hospital
Ryde Medical Centre
Shire Diagnostic Imaging – Miranda
Shoalhaven Nuclear Imaging – Nowra
Sir Charles Gardner Hospital – Nedlands, WA

South West Nuclear Medicine Group – Liverpool
St George Nuclear Imaging
St George Private Hospital and Medical Centre
St Vincent's Hospital – Darlinghurst
St Vincent's Hospital – Fitzroy, Vic
Sutherland Nuclear Medicine – Caringbah
Sydney Adventist Hospital – Wahroonga
Tamworth Base Hospital
The Alfred Hospital – Melbourne
The Canberra Hospital
The Children's Hospital at Westmead
The Prince of Wales Hospital
The Prince Charles Hospital – Chermside Qld
The St George Hospital
University Hospital – Birmingham UK
Wagga Medical Imaging
Waverly Nuclear Medicine – Bondi Junction
Weribee Mercy Hospital – Vic
Western Nuclear Medicine Group – Fairfield
Westmead Diagnostic Imaging
Westmead Hospital
Wollongong Nuclear Medicine

### Radiation Therapy

Central Coast Radiation Oncology Centre
East Coast Cancer Care, John Flynn Radiation Oncology, Tugun
Illawarra Cancer Care Centre, Wollongong Hospital
Launceston General Hospital
Liverpool Hospital
Macarthur Cancer Therapy Centre
Mater Misericordiae Hospital, Waratah
North Queensland Oncology Services, Townsville
Peter MacCallum Cancer Institute, Melbourne
Prince of Wales Hospital
Radiation Oncology Associates P/L – Mater Misercordiae Hospital, Crows Nest
Radiation Oncology Network – Nepean campus
Radiation Oncology Network – Westmead campus
Riverina Cancer Care Centre, Wagga Wagga
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 Clinic
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 2003 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 Rehabilitation
Access Independence
ACON Sydney Positive Living
Active health & Safety
Aged Care & Rehab CHC
Allowah Children's Hospital
Amanda Cumming Paediatrics
Arthritis Foundation of NSW
Asquith Public School, Before & After School Care
Assertive Recovery In The Community, ARC Team
Auburn Hospital & Community Health Services
Aussie Bush Camps
Australian Soccer Federation, NSW Coerver Coaching Camp
Australia Post Work Environment Bench
Australian Rugby League
Balmain Hospital
Banks House
Bankstown Aged Care Assessment Team
Bankstown Handicapped Children's Centre
Bankstown Mental Health Service
Bankstown/Lidcombe Hospital
Barnardos Vacation Care
Barnardos Australia
Bear Cottage
Beaumont Road School
Beechwood Residential Aged Care Facility
Belmont District Hospital
Berkeley Vale Private Hospital
Best Practice Rehabilitation
Beverley Clarke Paediatrics
Beverley Park Special School
BIRDS
Blacktown City Mental Health
Blacktown/Mt Druitt Hospital
Blue Mountains Child Development Unit
Bondi Running & Triathlon Club
Braeside Hospital
Bridgeway House Living Skills Centre
Brookvale Early Intervention
Buckingham House
Bungaribee House
Cairnsfoot SSP
Calvary Hospital
Campbelltown Hospital
Canterbury CHC
Canterbury Hospital
Centacare Community Access Service
Central Coast Area Health Service
Cessnock District Hospital
Chalmers Road School for Specific Purposes
Citizen Advocacy
Club Med
Coles Myer
Community Programs Incorporated
Concord Hospital
Courtland Retirement Village
Creative Therapies Behaviour Centre
Cromehurst Special School
Croydon Park Public School
CRS Bankstown
CRS Epping
CRS Fairfield
CRS Hurstville
CRS Liverpool
CRS Maitland
CRS Parramatta
Cumberland Hospital
Cumberland Industries
DADHC Katoomba
DADHC Campbelltown
DADHC Cumberland Prospect Disability Service
DADHC Hornsby
DADHC Hurstville
DADHC Leichhardt Disability Service
DADHC Metro South East
DADHC Northern Beaches
Dalcross Private Hospital
Delmar Private Hospital
Dept of Veteran Affairs
Des Renford Aquatic Centre
Diabetes Australia Dietetics
Diggers Rest Home
DOCS Penrith
Donald Coburn Centre
Donna Morgan Paediatrics
Down's Syndrome
DSR Central Coast
DSR Broken Bay
DSR Milson Island
DSR Myuna Bay
DSR Sydney Academy
Eastern Respite & Recreation
Eastern Suburbs Evening College
Eastern Suburbs Private Hospital
Ella Community Centre
Embark Cottage
Empact Injury Management Service
Evesham Clinic
Evidex
Expand

Fairfield City Council Youth Services
Fairfield Hospital
Fairfield/Liverpool Mental Health Services
Fitness First
Fowler Road Special School
Frank Vickery Retirement Village
Garrawarra Aged Care
Giant Steps
Granville Rehabilitation Service
Great Escape Outdoor Adventure
Greenwich Hospital
Head East
Hills CHC
Hills Street Occupational Rehab Service
Holdsworth Street Community Centre
Holroyd City Council
Home Modification & Maintenance
Homecare Service of NSW
Homeleigh Rehabilitation Centre
Hopalong Occupational Therapy for Children
Hornsby Ku-ring-gai Hospital
Hornsby Ku-ring-gai Mental Health Service
Hunter Aged Care Assessment Team
Hunter Mental Health Service
Hunter Orthopaedic School
Hunter Rehab. Brain Injury Service
Hunter Rehab Service
Hunter Residences
Hunter Rural Aged Care Assessment Team
Hunters Hill Private Hospital
Illawarra Brain Injury Service
Illawarra Child Development Centre
Illawarra Community Access Program
Independent Injury Solutions
Independent Living Centre
Inergise
Injury Management & Rehabilitation
Injury Management Assist
Injury Rehabilitation Service
Inspire Foundation
Intrinsic Sports
James Fletcher Hospital
Jobsupport Incorporated
John Hunter Hospital
Karonga School
Kathleen York House
Kid Sense OT
Kid Start Therapy
Korrana Family CentreKingswood CHC
Kurrajong Early Intervention
Lady Davidson Hospital
Lawrence Hargrave Hospital
Lawson CHC
Learning Links
Leichhardt OOSH
Liverpool Health Service
Liverpool Leisure Club
Long Bay Gaol Forensic Unit
Love & Deuce Tennis Centre
Macarthur Aged Care & Rehab Service
Macarthur Ambulatory Care, Camden Hospital
Macarthur Mental Health Service
Macquarie Area Mental Health Service
Macquarie Hospital
Maitland Hospital
Manly Hospital
Mater Dei School
Melbee Psychiatric Unit
Menai Community Health Centre
MEND Rehabilitation Services
Mercy Family Centre, Day Hospital
Metro South East Disability Service
Metro West Residences
Metropolitan Rehabilitation Hospital
Miller Child Services
Monavale Hospital
Morisset Hospital
Mosman Day Centre
Mt. Wilga Private Hospital
Multiple Sclerosis Society of NSW
Narrabeen Vacation Care
Nepean Hospital
Nepean Hospital, Pialla Unit
Neringah Hospital
Network of Community Activities
Newcastle East CHC
Newcastle Mater Misericordiae Hospital
Newtown Neighborhood Centre
North Gosford Private Hospital
North Shore Early Intervention Team
North Shore Recreation Network
North Sydney Council SUPS Team
North Sydney Respite, Riverlink Interchange
NSW Rugby Union
NSW Sports Council for Disabled
OHS Solutions
OT for Kids
OT for Students & Schools
OT Helping Children
OTECS
Pacific Hills Christian School
Parkinson's Association
Parramatta Council
Parramatta Peer Support
PCYC Blacktown
PCYC Burwood
PCYC Glebe/Leichhardt
PCYC NSW
PCYC Parramatta
PCYC Umina Beach
Peakhurst High School
Peakhurst Retirement Village
Peakhurst South Public School
Pennant Hills CHC
Penrith CHC
Penrith White Water Adventure
Penshurst After School & Vacation Care
PEP Central Coast
PEP Hornsby
PINARC Support Services
Pinocchio Child Care Centre
Pioneer Clubhouse
Pole Depot
Port Kembla Hospital
Prairiewood Physical Disability Team
Prince Henry Hospital
Prince of Wales Community Health
Prince of Wales Hospital
Adele Getz
Koala Play Therapy Group
Mandy Shapiro
Professional Injury Management
QBE Workers Compensation
Qualitec
Quality Occupational Health
Queenscliff CHC
Randwick Public School, Vacation Care Program
Rankin Park Centre for Rehabilitation & Aged Care
RecLink (Police & Citizens Youth Centre)
Recovre
ReEmploy
Rehab Dynamics
Rehabilitation Management Australia
Ren Rehab
ReStart Consulting
Rivendell Adolescent Unit
Rockdale Mental Health Centre
Ronald McDonald House
Roselands Sports & Aquatic Club
Rosemeadow CHC
Royal Blind Society
Royal Newcastle Hospital
Royal North Shore Hospital
Royal Prince Alfred Hospital
Royal Rehab Centre
Rozelle Hospital
Ryde Community Mental Health Service
Ryde Health Promotion
Ryde Hospital & CHC
Sacred Heart Hospice
Salvation Army, The Collaroy Centre
Scalebrini Village

SCEGGS Redlands Primary
Schizophrenia Fellowship
Shoalhaven District Hospital
Shellharbour Public Hospital
Skills for Kids
Smart Rehab Health Centre
South East Sydney School for Autism
South West Hand Therapy, Liverpool
South West Hand Therapy, Parramatta
South West Rehabilitation
Southcare
Southern Sydney Therapy Centre
Spastic Centre of NSW
Sports Council for Disabled
Springwood CHC
St. George Hospital
St. Josephs Hospital
St. Martha's School
St. Patrick's Special School
St. Vincent's Hospital
STARTTS
Stepping Stone House
Stewart House
Studio Artes
Successful Rehab Service
Sunnyfields
Sunshine Homes
Supported Accommodation
Supported Living
Supported Recovery, Newcastle
Sutherland CHC
Sutherland Hospital
Sutherland Leisure Centre
Sydney Adventist Hospital
Sydney Children's Hospital
Captain Starlight Foundation
Sydney Eye Hospital
Sydney Hand Therapy & Rehabilitation Centre
Sydney University Sports Union
Sydney Water
Sylvania CHC
Sylvanvale Handicapped Children's Centre
Ted Noffs Foundation
The Alice Betteridge School
The Benevolent Society NSW
The Bridge
The Children's Hospital Westmead
The Health Club
The Hills School
The Maroubra Centre
The Northcott Society
The People for Places and Spaces
The Whitlam Centre
Tom Foster Centre
Tom O'Neill Centre
Total Recreation
Transcultural Mental Health Centre
Tristen Rugless Enterprises
Upper Hunter CHC
Vern Barnett School
Wahroonga Rehabilitation Service
War Memorial Hospital
Wareemba Community Living
Warringah Aquatic Centre
Warringah Council
WAVES Aquatic & Fitness Centre
Weldon Children's Services
Wentworth Area Mental Health Service
Wesley Dilma Child & Family Centre
Wesley Mission
Wesley Private Hospital
Westmead Hospital
Westworks Westclub
Willoughby Leisure Centre
Wollongong Hospital
Woodfield Nursing Home
Work Active
Work Solutions Group
WorkCare Medical
WorkCover NSW
WorkFocus Australia
Workplace Injury Management Service
WorkPlace Solutions
Wyoming Aged care Facility
YMCA Bankstown
YMCA St Ives
YMCA Epping
Young Persons Psychosis Intervention
Youth Zone

***Country and Interstate***

ACT Community Care
Adolescent & Adult CHC
Albury Base Hospital
Armidale Hospital
Ballina CHC
Barrett Adolescent Centre
Batemans Bay CHC
Bathurst Base Hospital
Bathurst Hospital & Community Services
Bethany Nursing Home
Bloomfield Hospital
Brain Injury Rehab Program
Brampton Island Resort
Broken Bay Sport & Recreation
Broken Hill Base Hospital
Byron Bay Primary Health Service
Calvary Hospital, ACT
Canberra Hospital
Casino Day Therapy Unit
Child Health & Development Service
Cooma Hospital
Cootamundra Hospital
Cowra Hospital
CRS Northern Australia Remote Region
CRS Orange
DADHC Bowral
DADHC Queanbeyan
DADHC Tamworth
Deniliquin CHC
Dhanbul CHC
Donna Trevenar & Associates
DSR Berry Sport & Recreation Centre
DSR Borambola Sport & Recreation Centre
DSR Jindabyne Sport & Recreation Centre
DSR Lake Ainswoth Sport & Recreation Centre
DSR Lake Burrendong Sport & Recreation Centre
DSR Lake Keepit Sport & Recreation Centre
Dubbo Base Hospital
Dubbo Brain Injury Rehab Program
Dubbo CHC
Dudley Private Hospital
Dysaran Consulting
Edmund Rice Camps
Enable OT
Eurobodalla CHC
Family Links
Forbes District Hospital & CHC
Forster CHC
Glen Innes CHC
Gold Coast Hospital
Griffith Aged Care Services
Griffith Base Hospital
Gunnedah CHC
Hamilton South School
Interact Injury Management
Integrated Health Care Program
Kempsey District Hospital
Kincumber Health Centre
Koala Beach Resort
Lismore Community Mental Health Service
Lithgow Health Service
Lourdes Rehabilitation Hospital
Mandurah CHC
Mercy Care Centre
Mercy Hospital
Moore Options
Narrabri CHC
Nelson Bay CHC
Nexis Program
Orange Base Hospital
Parkes CHC
Port Macquarie Base Hospital

Post School Options In Griffith
Queanbeyan CHC
Queanbeyan Mental Health Service
Riverina Injury Management Service
Rosebud Hospital
Royal Children's Hospital
Royal Darwin Hospital
Royal Hobart Hospital
Rural Health Dept Unit
Sheraton Mirage
South West Brain Injury Service
South West Care, Warrnambool Campus
South West Slopes CHC
Southern Area Brain Injury Service
Southern Area Health Service
Tamworth Base Hospital & Health Service
Taree CHC
Taree Community Mental Health Service
The Retreat Southern Care
The Scots College, Glengarry Campus
Uraliup Assessment & Rehabilitation Unit
Wagga Wagga Base Hospital
Wallara Australia
Wellington CHC
West Wyalong CHC
Wingham Hospital
Workability Personnel, Cooma
Workability Personnel, Bega
Wreck Bay CHC

## ■ 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
Prince of Wales Community Health Services
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 Lukes Hospital, Potts Point
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
Byron District Hospital
Calvary Health Care, ACT
Campbell Hospital – Coraki
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 Rehab
IAHS Occupational Rehabilitation - Pt Kembla Hospital
John Hunter Hospital
Kempsey District Hospital
Latrobe Regional 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
Mt Isa Base Hospital
Mudgee District Hospital
Murwillumbah District Hospital
Newcastle Mater Misericordiae Hospital
North West Queensland Allied Health Service
North West Regional Hospital, Burnie
Orange Base Hospital
Pambula Community Health Service
Parkes Health Service
Port Kembla Hospital
Port Macquarie Base Hospital
Queanbeyan District Hospital
Rankin Park - Centre for Rehabilitation and Aged Care
Rankin Park Unit (at Royal Newcastle Hospital)
Rankin Park Day Hospital, (William Lyne Site)
Rockhampton Base Hospital
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
Upper Hunter Community Health
Wagga Wagga Base Hospital
Wellington Distict Hospital
Wingham 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
Gowrie Village
Hawkesbury District Health Service
Hirondelle Private Hospital
Lady Davidson Hospital
Metropolitan Rehabilitation Hospital
Mt Wilga Private Hospital
North Gosford 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)
DADHC-Parramatta
DADHC - Penrith
Commonwealth Rehabilitation Service – Australia
HMAS Penguin
Metro West Residence - Rydalmere Centre
1st Health Support Battalion (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
Coal Services Health
Multiple Sclerosis Society of NSW, Lidcombe
Royal Institute for Deaf and Blind Children – The Alice Betteridge School
Spastic Centre (Prairiewood)

### Private practitioners

Alison Coles
Alison Murchison
Allan Bourke
Andrew Weatherstone
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
Gaetano Milazzo
Gary Eastburn, Margaret Eastburn and Stephen Hill
Gavin Malouf
Grant Pleffer
Greg Craig and Karen Avery
Greg Sheather
Greg Williams
Jan Williams
Jeff Pross
Jenny Aiken and Andrew Gray
Jenny Rodway
Joanna KeltonJim Liakos
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 McIntyre
Melinda Klarenaar
Melody Martin and Julia Hush
Meredith Schwilk
Nick Stepkovitch
Patricia Glover-Seppelt
Patricia Hunn
Paul Colenso
Pepe Stark
Peter Buffon and Denny Shearwood
Peter Kent
Peter Knapman and Mary Knapman
Peter Stuckey
Phillip Camden
Rob Hoy
Robert Tindale
Sonja Schulze
Suzanne Jones and Margaret Lay
Tony Ayoub
Warren Ansell
William La Palomba

### University of Sydney

University of Sydney Pain Management and Research Centre – Royal North Shore Hospital

## ■ Yooroang Garang: School of Indigenous Health Studies

Yooroang Garang: School of Indigenous Health Studies wishes to acknowledge the following organisations for their contribution to the 2003 field experience in the Diploma and Bachelor of Health Science (Aboriginal Health and Community Development) courses.

### Hosptials

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
Royal Brisbane and Women's Hospital Health Service District, Qld
Burke District Hospital and Services, NSW
Alice Spring Hospital, NT

### 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
Public Health Unit, Tamworth QLD
Illawarra Medical Health (Children's Development Centre), NSW
Aboriginal Health, Queensland Government Health Mount Isa, QLD
Aborignal Medical Health Centre Condoblin, NSW

# 23 Facilities and services

## ATMs

- Blue Dot ATM located in the JDV Café in the Cumberland Student Guild (CSG) Building (Building U)
- Unicom Credit Union Rediteller located in F block

## Bookshop and CSG store

The University Co-operative Bookshop operates a branch on the Cumberland campus. Situated at the ground level of the CSG Building, 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.

The Store, a CSG managed facility, provides a range of stationery and course related products and information including clinical shirts. The Store is located on the ground level of the CSG Building.

## Childcare: Ngallia Early Learning 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 1pm 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 whose classes are in the evening 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.

## Cumberland Student Guild (CSG)

CSG is the membership based organisation that provides a broad spectrum of resources and representation that encompass Food and Beverage, Sport and Recreation, Retail, Academic Support Services, Accommodation and Social Activities for all students on the Cumberland Campus. The CSG Diary and information regarding student services is available from any of the CSG outlets, including Bite Me, JDV Café, Co-op Bookshop, CSG Sports Centre, The Store or CSG Administration. Being a member of CSG entitles you to various discounts on and off campus far in excess of the membership fee.

The Management Committee of CSG has employed a range of professional staff members with expertise in a wide range of CSG services and facilities to deliver the services and facilities on campus in a professional way. CSG Administration is the contact point on campus for all enquiries relating to any of the CSG programs, services and facilities. CSG Administration is located up the ramp on Level 3 of the CSG Building (Building U) and is open each weekday from 9 am to 5 pm.

CSG 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 CSG funded from your compulsory subscription fees and other sources of revenue.

### CSG services and facilities

Services and facilities provided on and around the Cumberland campus by CSG include:

- Bite Me (canteen)
- JDV (café) and Barcode (bar)
- Free Internet cafe
- CSG Sports Centre, including gymnasium, free lockers and sport programs
- Food and drink vending machines around campus
- The Store
- Co-op Bookshop
- RENTLINK – a private accommodation search program for students
- WORKLINK – a service aimed at providing employment opportunities on and off campus
- Student representation – students have a say on most decision-making bodies of the University through the student representatives. CSG is an active advocate of the student rights to the University.
- Conference and sporting Subsidies
- Blue Dot ATM located in the JDV Café in the CSG Building (Building U)
- Public phones around campus
- Clubs and societies – CSG has a number of affiliated sport and recreation, social and cultural clubs and societies.

The activities of the clubs and societies are subsidised from CSG funds. Clubs and Societies provide activities for students from all walks of life to participate in. For further details visit the CSG Web site www.csg.org.au or email clubs@csg.org.au

### Support services

***Scholarships***

CSG 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 CSG Web site at www.csg.org.au.

***Contacting CSG***

CSG is always seeking input on ways to improve its services and facilities. CSG can be contacted Monday to Friday between 9 am and 5 pm:

- In person at CSG Administration, Level 3, CSG 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 Services 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 www3.fhs.usyd.edu.au/cmu/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 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) 9351 9365, where you can pick up an application form. You will need to discuss your loan application with the Student Finance 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 of Health Sciences Library free of charge for the first year of membership;
- make their voice heard on issues affecting the Faculty; and
- 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) 9351 9437***

Enquiries about any aspect of the Library's services are most welcome.

***Circulation Desk (02) 9351 9423***

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: 1–5 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.library.usyd.edu.au/libraries/healthsciences/.

A detailed list of the various databases available can be found at www.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 on the Student Welfare Services Web page, www3.fhs.usyd.edu.au/cmu/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 or email a.chan@fhs.usyd.edu.au. The fax number is (02) 9351 9635.

## 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, phone (02) 9351 9638 or (02) 9351 9081.

The CSG Sports Centre provides lockers free of charge for gymnasium users. For further information, please contact the CSG Sports Centre on (02) 9351 9613 or sport@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 ballot is held each year for postgraduate students for access to Gates 1 and 2. For further information contact the Property Services Division on (02) 9351 9231. Those requiring access to parking spaces for people with disabilities are asked to 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/cmu/sws.

## Sporting facilities (multi-purpose courts and oval)

Bookings for the multi-purpose tennis, netball and basketball courts must be made with the CSG 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 including 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

CSG on phone (02) 9351 9970 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 CSG. 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). Visit the Student Welfare Services Web site at www3.fhs.usyd.edu.au/cmu/sws, 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.

# 24 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, 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;
      elected in a manner prescribed by resolution of the Senate,
   (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

These Resolutions must be read in conjunction with The University of Sydney (Coursework) Rule 2000, which governs all coursework award courses in the University.

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 Orthoptics (MOrth)
   (k) Master of Physiotherapy (MPhty)
   (l) Master of Rehabilitation Counselling (MRehabClng)
   (m) Doctor of Philosophy (PhD)
   (n) 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 Coursework) 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) Exercise, Sport Science and Nutrition
   (c) Health Information Management
   (d) Leisure and Health
   (e) Medical Radiation Sciences
   (f) Occupational Therapy
   (g) Orthoptics
   (h) Physiotherapy
   (i) Speech Pathology.
2. (1) 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) Exercise, Sport Science and Nutrition
      (c) Health Information Management
      (d) Leisure and Health
      (e) Medical Radiation Sciences
      (f) Occupational Therapy
      (g) Orthoptics
      (h) Physiotherapy
      (i) 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. The degree of Bachelor of Applied Science may be awarded in the combined degrees:
   (a) Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition)
      (1) A student may proceed concurrently to the degrees of Bachelor of Applied Science (Exercise and Sport Science) and Bachelor of Science (Nutrition).
      (2) To qualify for the award of the combined degrees a student shall complete, normally over a period of ten semesters, units of study having a total value of at least 240 credit points as specified in Table 10.3 in chapter 10, including:
         (a) at least 139 credit points from Science subject areas;
         (b) at least 13 credit points from the Science subject areas of Mathematics and Statistics;

(c) an Honours year in Nutrition or Nutrition and Dietetics;

(d) at least 101 credit points of units of study in Exercise and Sport Science listed in Table A.1 of the Resolutions of the Senate for the degree of BAppSc (Exercise and Sport Science) in the Faculty of Health Sciences.

(3) A student who does not qualify to undertake the final year (year 5) of the combined degrees course or who chooses to exit after completing year 4 may:

(a) graduate with the degree of Bachelor of Applied Science (Exercise, Sport Science and Nutrition) in accordance with the Resolutions of the Senate in the Faculty of Health Sciences; or

(b) elect to undertake the degree of Bachelor of Applied Science (Exercise, Sport Science and Nutrition) (Honours) in accordance with the Resolutions of the Senate in the Faculty of Health Sciences.

(4) After completing at least two semesters in the combined degrees course, a student may abandon the combined degrees course and elect to complete either a BSc, a BSc (Nutrition), a BAppSc (Exercise and Sport Science) or a BAppSc (Exercise, Sport Science and Nutrition) in accordance with the Resolutions of the Senate and Faculty Resolutions governing those degrees.

(5) Students in years 1–4 of the combined degrees course will be under the general supervision of the Faculty of Health Sciences; students in the Honours year will be under the supervision of the faculty in which the Honours course is being undertaken.

(6) The Deans of the Faculties of Health Sciences and Science shall jointly exercise authority in any matter concerning the combined degrees course not otherwise dealt with in these Resolutions.

4. (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.

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 of study unless entry requirements prescribed for that unit of study have been satisfied.

7. 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.

8. 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.

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 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
   (f) Occupational Therapy
   (g) Physiotherapy
2. (1) 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 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.
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:

(1) three classes of Honours, namely Class I, Class II, 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 7, School of Behavioural and Community Health Sciences.

## Bachelor of Health Sciences

***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 corequisite 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 16, 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 may be 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
(2) The degree of Master of Health 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) Sexual Health
(xx) Speech-Language Pathology
(xxi) 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) Orthoptics
(iv) Physiotherapy
(v) Rehabilitation Counselling
(vi) Communication Disorders (by research only).

***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. Chapter 10 of the By-laws has been repealed and Part 9, section 47 of The University of Sydney (Amendment Act) Rule 1999 refers.

***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 than 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.
11. (1) 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, Master of Occupational Therapy and Master of Orthoptics 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 (1)(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. All 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 Research) 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 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) Both reports shall then be forwarded to the Associate Dean, (Graduate Research) within the Faculty.

## ■ Diploma of Health Science

1. (1) 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 15, 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
(ii) Child and Adolescent Health
(iii) Education
(iv) Exercise and Sport Science
(iv) Gerontology
(vi) Health Information Management
(vii) Indigenous Community Health
(viii) Manipulative Physiotherapy
(ix) Medical Radiation Sciences
(x) Medical Sonography
(xi) Physiotherapy
(xii) Sexual Health
(xiii) Sports Physiotherapy
(xiv) 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
(xii) Physiotherapy (no commencing students)
(xiii) Sexual Health
(xiv) Vision Impairment

***Eligibility for admission***

2. (1) 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 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 (1)(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***

7. 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 (as amended)

## Preliminary

***Rules relating to Coursework Award Courses***

Division 1 – Award course requirements, credit points and assessment
Division 2 – Enrolment
Division 3 – Credit, cross-institutional study and their upper limits
Division 4 – Progression
Division 5 – Discontinuation of enrolment and suspension of candidature
Division 6 – Unsatisfactory progress and exclusion
Division 7 – Exceptional circumstances
Division 8 – Award of degrees, diplomas and certificates
Division 9 – Transitional provisions

## Preliminary

***1. Commencement and purpose of Rule***

(1) 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 setting 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 the standards required by the University for academic honesty;

(c) meets all examination, assessment and attendance requirements for the unit of study; and

(d) 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

***20. Classes of award***

(1) 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***

(1) The award of honours is reserved to indicate special proficiency. The basis on which a student may qualify for the award of honours in a particular award course is specified in the faculty resolutions relating to the course.
(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.

# 25 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 close to the Camperdown/Darlington campus 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: accomm@stuserv.usyd.edu.au
Web: www.usyd.edu.au/accom

### Admissions Office

The Admissions Office 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 Web site of the International Office, 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, K01
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 currently enrolled students find casual and part-time work during their studies and University vacations.

Level 7, Education Building, A35
The University 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

The Centre for Continuing Education offers a wide range of short courses for special interest, university preparation and professional development. Subject areas include IT, business, languages, history and culture, overseas study tours, creative arts and social sciences. Courses are open to everyone.

The Centre will be relocating at the end of 2003. Please refer to the Centre's Web site for up-to-date information on location/contact details, or phone the existing general enquiry number (02) 9351 2907 for redirection.

Mackie Building, KO1
The University of Sydney
NSW 2006 Australia Ph: (02) 9351 2907
Fax: (02) 9351 5022
Email: info@cce.usyd.edu.au
Web: www.cce.usyd.edu.au

### Centre for English Teaching

CET offers a range of English language courses including Academic English, General English, Business English and IELTS preparation. The University is now also an IELTS testing centre. The English programs help international students to reach the required English levels for entry to degrees at the University. At the end of their language training, students have the opportunity to take the CET university direct entry test (e-test).

Level 2, Building F, 88 Mallett St
University of Sydney (MO2)
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 Information Officer for information about children's services for students and staff of the University who are parents.

Child Care Information Officer
Level 7, Education Building, A35
Phone: (02) 9351 5667
Fax: (02) 9351 7055
Email: childc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/childcare

### The Co-op Bookshop

In addition to providing the required course textbooks, the Co-op Bookshop stocks a wide range of supplementary material, including recommended readings, course notes, study aids and reference books.

We also house an extensive range of general books including fiction, non-fiction, academic and professional titles.

A one-off membership fee of $25 entitles discounts on most books.

Software for students and academics is available at up to 70% off the usual RRP.

The Co-op is situated in the Sydney University Sports and Aquatic Centre, just off City Road.

Phone: (02) 9351 3705 or (02) 9351 2807
Fax: (02) 9660 5256
Email: sydu@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 note taking, 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 3320TTY: (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 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 CentreLevel 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

The Fees Office provides information on how to pay fees, where to pay fees and if payments have been received. The Fees Office also has information on obtaining a refund for fee payments.

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, out of date or misleading.

  (Note that a 'member of the public' includes staff and students of the University)

It is a requirement of the Act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While application may be made to access University documents, some may not be released in accordance with particular exemptions provided 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, function and the kinds of documents held. The Summary of Affairs identifies the University's policy documents and provides information on how to make an application for access to University documents.

Further information and copies of the current 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) 9351 4612
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 and PELS

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 (www.helpdesk.usyd.edu.au) on(02) 9351 6000, 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 'extro' 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 (www.helpdesk.usyd.edu.au/services.html);
- Online course material (www.groucho.ucc.usyd.edu.au:9000/webct/public/home.pl);
- Student facilities via the intranet (www.intranet.usyd.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

### Koori Centre and Yooroang Garang

The Koori Centre provides programs, services and facilities to encourage and support the involvement of Aboriginal and Torres Strait Islander people in all aspects of tertiary education at The University of Sydney. The Centre provides tutorial assistance, access to computers, an Indigenous Research library, study rooms, an orientation program at the beginning of the year and assistance in study and learning skills. In particular the Koori Centre aims to increase the successful participation of Aboriginal and Torres Strait Islander people in undergraduate and postgraduate degrees, develop the teaching of Aboriginal Studies, conduct research in the field of Aboriginal Education, and establish working ties with schools and communities.

Close collaboration is also maintained with Yooroang Garang, School of Indigenous Health Studies in the Faculty of Health Sciences on the University's Cumberland campus. Yooroang Garang provides advice, assistance and academic support for Indigenous Health Sciences students, as well as preparatory undergraduate and postgraduate courses in Aboriginal Health and Community.

***Koori Centre***

Ground Floor, Old Teachers College, A22
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2046 (General Enquiries)
Toll Free: 1800 622 742
Community Liaison Officer (02) 9351 7003
Fax: (02) 9351 6923
Email: koori@koori.usyd.edu.au
Web: www.koori.usyd.edu.au

***Yooroang Garang***

T Block, Level 4
Cumberland Campus, C42
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 9393
Toll Free: 1800 000 418
Fax: (02) 9351 9400
Email: yginfo@fhs.usyd.edu.au
Web: www.yg.fhs.usyd.edu.au

### Language Centre

The Language Centre provides multimedia teaching rooms for Faculty of Arts courses. Technical support for teaching staff is available on site. Student self-access facilities for curriculum materials, access to multilingual satellite television broadcasts and a broadcast copying service are also provided by the centre. The centre maintains a resource collection of multimedia language materials in 140+ languages and has three language laboratories, four audiovisual classrooms, two access computer labs and one student audiovisual study room.

Level 2, Christopher Brennan Building, A18
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

## 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 include an Individual Learning Program, a special program for international students, faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities.

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 19 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***

***Expected to close in December 2003 and collection transferred to other libraries in the University.***

***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

***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

***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

***Madsen Library***

Madsen Building, F09
Phone: (02) 9351 6456
Fax: (02) 9351 6459
Email: madsen@library.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: lib@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) 9351 1043
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 their first level mathematics or statistics units at university. The Centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The Centre also provides on-going support 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 student 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, instead they 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***

International 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 and the NSW Health Records and Information Privacy Act 2002. Central to the both Acts are the sets of Information Protection Principles (IPPs) and Health Privacy Principles which regulate the collection, management, use and disclosure of personal and health information. In compliance with the Privacy and Personal Information Protection Act the University developed a Privacy Management Plan which includes the University Privacy Policy. The Privacy Management Plan sets out the IPPs and how they apply to functions and activities carried out by the University. Both the Plan and the 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, the Health Records and Information Privacy 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, KO1
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/scholarships

## 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
Web: www.usyd.edu.au/su/studentcentre

## Student identity cards

The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card for a range of purposes within the University. 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 and 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 that 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.

## The Student Intranet

The University is continually increasing the amount of information and services for students it provides through the Web. The new Student Intranet (intranet.usyd.edu.au/student/) gathers information and services together in one place and organises them by the use of tabs.

Categories such as 'MyStudy' provide links to courses and units of study information, student administration matters (eg, exam results, Web Enrolment Variations, etc.) and links to online learning courses – and of course the study-related services available to all students provided by the Library. Communication services – such as access to free student Email:, the online phone directory and face-to-face services provided by the Student Centre, International Office and ITS Help Desk – is another category.

The Services category provides access to student services such as Child Care, Counselling, I.T. Help and guidance in the use of the online Student Administration services. While Student Life focuses on campus life – accommodation, employment, sporting facilities, political life and where to eat and drink.

News and Events and Campuses provide links to what is happening right across the large and diverse learning community that is The University of Sydney.

MyUni is the personalised section of the intranet. 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.

## 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 and 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 its entire 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 5 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. A small Winter School is also run from the Summer School office. This has mainly postgraduate offerings with a few undergraduate units of study. Information can be found on the summer school Web site.

### 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

The University Health Service provides full general practitioner services and emergency medical care to all members of the University community. Medical centres on the Camperdown and Darlington Campuses offer general practioners, physiotherapy and some specialist services.

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

The Students' Representative Council is the organisation which represents undergraduates both within the University and in the wider community. All students enrolling in an undergraduate course automatically become members of the SRC.

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
Web: www.src.usyd.edu.au

### Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an organisation that 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 Sport

Sydney University Sport provides 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: admin@susport.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
Foyer, Holme Building, A09
Science Rd, The University of Sydney
NSW 2006 Australia
Phone: 1800 013 201 (Switchboard)
Fax: (02) 9563 6216
Email: info@usu.usyd.edu.au
Web: www.usydunion.com

# Abbreviations and glossary

## ■ Abbreviations

Listed below are the more commonly used acronyms that appear in University documents and publications.

| | |
|---|---|
| **A** | |
| AARNet | Australian Academic Research Network |
| AAT | Administrative Appeals Tribunal |
| AAUT | Australian Awards for University Teaching |
| ABC | Activity Based Costing |
| ABS | Australian Bureau of Statistics |
| ABSTUDY | Aboriginal Study Assistance Scheme |
| ACER | Australian Council for Educational Research |
| AGSM | Australian Graduate School of Management |
| ANZAAS | Australian and New Zealand Association for the Advancement of Science |
| APA | Australian Postgraduate Awards |
| APAC | Australian Partnership for Advanced Computing |
| APAI | Australian Postgraduate Awards (Industry) |
| APA-IT | Australian Postgraduate Awards in Information Technology |
| APDI | Australian Postdoctoral Fellowships Industry |
| APEC | Asia-Pacific Economic Co-operation |
| APF | Australian Postdoctoral Fellowship |
| AQF | Australian Qualifications Framework |
| ARC | Australian Research Council |
| ARCA | Australian Research Council Act |
| ASDOT | Assessment Fee Subsidy for Disadvantaged Overseas Students |
| ATN | Australian Technology Network |
| ATO | Australian Taxation Office |
| ATP | Australian Technology Park |
| ATPL | Australian Technology Park Limited |
| AUQA | Australian Universities Quality Agency |
| AusAID | Australian Agency for International Development |
| AUTC | Australian Universities Teaching Committee |
| AVCC | Australian Vice-Chancellors Committee |
| **B** | |
| BAA | Backing Australia's Ability |
| BAC | Budget Advisory Committee |
| BITLab | Business Intelligence Lab |
| BLO | Business Liaison Office |
| BOTPLS | Bridging for Overseas Trained Professionals Loans Scheme |
| **C** | |
| CAF | Cost Adjustment Factor |
| CAUT | Committee for Advancement of University Teaching |
| CDP | Capital Development Program |
| CDP-IT | Capital Development Program - Information Technology |
| CEP | Country Education Profile |
| CEQ | Course Experience Questionnaire |
| CFO | Chief Financial Officer |
| CHASS | College of Humanities and Social Sciences |
| CHS | College of Health Sciences |
| CIO | Chief Information Officer |
| CPI | Consumer Price Index |
| CPSU | Community and Public Sector Union |
| CRC | Cooperative Research Centre |
| CREO | Centre for Regional Education, Orange |
| CRICOS | Commonwealth Register of Institutions and Courses for Overseas Students |
| CRRI | Centre for Rural and Regional Innovation |
| CSIRO | Commonwealth Scientific and Industrial Research Organisation |

| | |
|---|---|
| CST | College of Sciences and Technology |
| CUSTD | Committee for University Teaching and Staff Development |
| **D** | |
| DAC | Data Audit Committee |
| DEST | Commonwealth Department of Education, Science and Training |
| DET | NSW Department of Education and Training |
| D-IRD | Discovery-Indigenous Researchers Development Program |
| DISR | Department of Industry, Science and Resources |
| DoFA | Department of Finance and Administration |
| DVC | Deputy Vice-Chancellor |
| **E** | |
| EB | Enterprise Bargaining |
| EFTSU | Equivalent Full Time Student Unit |
| EIP | Evaluations and Investigations Program |
| ELICOS | English Language Intensive Course of Study |
| EMU | Electron Microscope Unit |
| ESOS Act | Education Services for Overseas Student Act |
| **F** | |
| FlexSIS | Flexible Student Information System |
| FMO | Facilities Management Office |
| FOS | Field of Study |
| FTE | Full Time Equivalent (Staff) |
| **G** | |
| GATS | General Agreement on Trade in Services |
| GCCA | Graduate Careers Council of Australia |
| GDS | Graduate Destination Survey |
| GPOF | General Purpose Operating Funds |
| GSA | Graduate Skills Assessment |
| GST | Goods and Services Tax |
| GWSLN | Greater Western Sydney Learning Network |
| **H** | |
| HDR | Higher Degree Research |
| HECS | Higher Education Contribution Scheme |
| HEEP | Higher Education Equity Program |
| HEFA | Higher Education Funding Act 1988 |
| HEIP | Higher Education Innovation Programme (DEST) |
| HEO | Higher Education Officer |
| HERDC | Higher Education Research Data Collection |
| **I** | |
| IAS | Institute of Advanced Studies |
| ICT | Information and Communication Technology |
| IGS | Institutional Grants Scheme (DEST) |
| IO | International Office |
| IP | Intellectual Property |
| IPRS | International Postgraduate Research Scholarships |
| IREX | International Researcher Exchange Scheme |
| ISFP | Indigenous Support Funding Program |
| ISIG | Innovation Summit Implementation Group |
| ISSU | International Student Services Unit |
| IT | Information Technology |
| ITC | Information Technology Committee |
| ITL | Institute for Teaching and Learning |
| ITS | Information Technology Services |
| **J** | |
| JASON | Joint Academic Scholarships On-line Network |
| **L** | |
| LBOTE | Language Background Other Than English |
| **M** | |
| MBA | Master of Business Administration |
| MISG | Management Information Steering Group |
| MNRF | Major National Research Facilities Scheme |
| MOU | Memorandum of Understanding |
| MPG | Major Projects Group |

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| MRB | Medical Rural Bonded Scholarship Scheme |
| **N** | |
| NBCOTP | National Bridging Courses for Overseas Trained Program |
| NCG | National Competitive Grant |
| NESB | Non-English-Speaking Background |
| NHMRC | National Health and Medical Research Council |
| NOIE | National Office for the Information Economy |
| NOOSR | National Office for Overseas Skill Recognition |
| NRSL | Non-Recent School Leaver |
| NSW VCC | New South Wales Vice-Chancellors' Conference |
| NTEU | National Tertiary Education Industry Union |
| **O** | |
| OECD | Organisation for Economic Co-operation and Development |
| OLA | Open Learning Australia |
| OLDPS | Open Learning Deferred Payment Scheme |
| OPRS | Overseas Postgraduate Research Scholarships |
| **P** | |
| PAYE | Pay As You Earn |
| PAYG | Pay As You Go |
| PELS | Postgraduate Education Loans Scheme |
| PSO | Planning Support Office |
| PVC | Pro-Vice-Chancellor |
| **Q** | |
| QA | Quality Assurance |
| QACG | Quality Advisory and Coordination Group |
| **R** | |
| R&D | Research and Development |
| R&R | Restructuring and Rationalisation Program |
| RC | Responsibility Centre |
| REG | Research and Earmarked Grants |
| REP | Research Education Program |
| RFM | Relative Funding Model |
| RIBG | Research Infrastructure Block Grant (DEST) |
| RIEF | Research Infrastructure Equipment and Facilities Scheme |
| RISF | Restructuring Initiatives Support Fund |
| RMO | Risk Management Office |
| ROA | Record of Achievement |
| RQ | Research Quantum |
| RQU | Recognition Quality Unit (Higher Education Division – DEST) |
| RRTMR | Research and Research Training Management Reports |
| RSL | Recent School Leaver |
| RTS | Research Training Scheme (DEST) |
| **S** | |
| SCA | Sydney College of the Arts |
| SCEQ | Sydney Course Experience Questionnaire |
| SCM | Sydney Conservatorium of Music |
| SCR | Science Capability Review |
| SDF | Strategic Development Fund |
| SDVC | Senior Deputy Vice-Chancellor |
| SEG | Senior Executive Group |
| SES | Socioeconomic Status |
| SI | Scholarship Index |
| SNA | Safety Net Adjustment |
| SPIRT | Strategic Partnerships with Industry – Research and Training Scheme |
| SRC | Students' Representative Council |
| SSR | Student/Staff Ratio |
| SUPRA | Sydney University Postgraduate Students' Representative Association |
| SUSport | Sydney University Sport |
| SUSU | Sydney University Sports Union (now SUS) |
| SUWSA | Sydney University Women's Sports Association (now SUS) |
| **T** | |
| TAFE | Technical and Further Education |
| TFN | Tax File Number |
| TMUI | Treasury Measure of Underlying Inflation |

| | |
|---|---|
| TPI | Teaching Performance Indicator |
| **U** | |
| UAC | Universities Admissions Centre |
| UMAP | University Mobility in Asia and the Pacific |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UPA | University Postgraduate Awards |
| **V** | |
| VCAC | Vice-Chancellor's Advisory Committee |
| VET | Vocational Education and Training |
| **W** | |
| WIT | Western Institute of TAFE |
| WRP | Workplace Reform Program |
| WTO | World Trade Organization |

# ■ Glossary

This glossary describes terminology in use at the University of Sydney.

***AAM (Annual Average Mark)***

This mark is calculated using the unit of study credit point value for each Semester and for the year. This mark may also be calculated cumulatively for every currently enrolled student, based on all unit of study completions to the end of the last completed semester, as a cumulative measure of progression.

The formula for this calculation is:

$$AAM = \frac{\sum(marks \times creditPointValue)}{\sum(creditPointValue)}$$

The 'marks' used in this formula are the actual marks obtained by the student in each unit of study, as recorded on the student's record, including any marks of less than 50, and in the case of a failing grade with no mark, the mark defaults to 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations, however the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

***Academic Board***

The senior academic body within the University. In conjunction with Faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and units of study and policy relating to the admission of students. (For further information, see the University Calendar.)

***Academic cycle***

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester 1 through to the completion of the processing of results at the end of Semester 2. (See also Stage.)

***Academic dishonesty***

A student is suspected of presenting another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams.

***Academic record***

The complete academic history of a student at the University. It includes, among other things, personal details, all units of study and courses taken, assessment results (marks and grades), awards and prizes obtained, infringements of progression rules, approvals for variation in course requirements and course leave, thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff. 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***

A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal. (See also External transcript, Internal transcript.)

***Academic year***

For the purposes of FlexSIS, an academic year indicates the current calendar year in which the student is currently enrolled. An academic year indicates a calendar 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***

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

***Admission basis***

The main 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***

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. The 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.)

***AGSM (Australian Graduate School of Management)***

From 1999 The University of Sydney entered into a joint venture with the University of New South Wales leading to the formation of a new Australian Graduate School of Management (AGSM). The new joint venture AGSM is derived from the Graduate

School of Business at The University of Sydney and the existing AGSM at the University of New South Wales.

Students enrolled at the new joint venture AGSM are students of both The University of Sydney and the University of New South Wales. The agreement for reporting enrolments, load and staff at the joint venture requires that The University of Sydney report all student enrolments and staff numbers, but that only one third of both the Student load (EFTSU) and full-time equivalent staff (FTE) be attributed to The University of Sydney.

***Annual Progress Report***

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 it is 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 *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***

Attendance is classified as full-time, part-time or external. The type of attendance in which a student is classified depends on the student's mode of attendance and the student load.

The mode of attendance is a classification of whether a student is internal, external or multi-modal in accordance with the definition provided by DEST.

*Internal mode of attendance*

When all units of study for which the student is enrolled are undertaken through attendance at the University on a regular basis. It also refers to the case when the student is undertaking a higher degree course for which regular attendance is not required, but attends the University on an agreed schedule for purposes of supervision and/or instruction.

*External mode of attendance*

When all units of study for which the student is enrolled involve special arrangements whereby lesson materials, assignments, etc, are delivered to the student, and any associated attendance at the University is of an incidental, irregular, special or voluntary nature.

*Multi-modal mode of attendance*

When at least one unit of study is undertaken on an internal mode of attendance and at least one unit of study is undertaken on an external mode of attendance.

Students with an external mode of attendance are classified as being external for the type of attendance.

Students with either an internal or multi-modal mode of attendance are classified as being full-time or part-time depending on the load associated with the courses in which they are enrolled. According to the definition provided by DEST, a student whose enrolment in all courses generates 0.373 EFTSU or higher for a semester is classified as full-time, otherwise the student is classified as part-time.

***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.)

***Attendance status***

Full or part time.

***AusAID***

Australian Agency for International Development.

***AUSTUDY***

Replaced by Youth Allowance. (See *Youth Allowance*.)

***Award course***

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. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent. Bachelor degree refers to Bachelor (Graduate Entry), Bachelor (Honours) end on, and Bachelor which comprises Bachelor (Pass) and Bachelor (Honours) concurrent. (See also Award course.)

***Barrier***

An instruction placed on a student's FlexSIS record that prevents the student from re-enrolling or graduating. (See also *Deadlines (fees)*, *Suppression of results*.)

***Board of studies***

An academic body which supervises a course or courses and which is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

***Bursaries***

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***

A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the

successful participation of Aboriginal and Torres Strait Islanders in degree courses in all faculties at The University of Sydney.

Applicants seeking admission under the Program are assessed under a broad set of criteria embracing relevant educational background, work and life experience and motivation. An essential aspect of the Program is the provision of academic support.

All applicants are assessed prior to enrolment and on the basis of those assessments may be recommended for alternative study options, including enrolment in a reduced course load in the first year of their degree and concurrent enrolment in an Academic Skills course run by the Koori Centre.

An intensive Orientation Program is conducted immediately prior to the commencement of the academic year and students may request additional tutoring in particular subject areas.

***CAF (Cost Adjustment Factor)***

The amount by which the Commonwealth increases payments to institutions each year towards increases in salary and non-salary costs.

***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 (Sydney Conservatorium of Music), Cumberland (Health Sciences), Mallett Street (Nursing), Orange (Faculty of Rural Management and Centre for Regional Education), Rozelle (Sydney College of the Arts), St James (Law) and Surry Hills (Dentistry).

***Cancellation***

For non-payment of fees.

***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 some 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 currently enrolled students in a particular unit of study. (See also *unit of study.*)

***College of Health Sciences***

Consists of the Faculties of Dentistry; Health Sciences; Medicine; Nursing; and Pharmacy.

***College of Humanities and Social Sciences***

Consists of the Faculties of Arts; Economics and Business; Education; Law; the Sydney College of the Arts; and the Sydney Conservatorium of Music.

***College of Sciences and Technology***

Consists of the Faculties of Agriculture, Food and Natural Resources; Architecture; Engineering; Rural Management; Science; and Veterinary Science.

***Combined course***

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

***Combined degree***

See *Combined course*.

***Commencing and continuing enrolments***

Enrolments are classified as commencing or continuing in accordance with the definition provided by DEST. In general, an enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time between 1 September of the year prior to the current year and 31 August of the current year. There are a number of exceptions to this general rule, of which the most important are:

(a) an enrolment in the LLB is not classified as commencing if the student was previously enrolled in a combined law degree; and,

(b) an enrolment in an Honours degree (Bachelor or Master) is not classified as commencing if the student was previously enrolled in the corresponding Pass degree.

***Commencing student***

A student enrolling for the first time in an award course at The University of Sydney. 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, compulsory subscriptions depend on the level of study.

*Undergraduate*

The University of Sydney Union, Students' Representative Council (SRC) and Sydney University Sport.

*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***

This form is issued to each student after enrolment showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally.

A new confirmation of enrolment form is produced every time a student's enrolment is varied.

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.

***Conjoint ventures***

Two or more institutions co-operate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at The University of Sydney and individual departments at UNSW and UTS whereby students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

***Continuing professional education***

A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education and a number of departments and

foundations across the University. This process supports the whole of life learning concept and 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***

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 unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS. (See also *Prerequisite*, *Waiver*.)

***Cotutelle scheme***

Agreement between The University of Sydney and a French university for joint supervision and examination of a PhD student as part of an ongoing co-operative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

***Course***

An 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 enrolment status***

A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. A course enrolment status of 'not enrolled' is linked to a not enrolled reason.

***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 are 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% or more of the overall course requirements.

***Course rules***

Rules which 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 transfer which 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***

A DEST code.

***Coursework***

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 university or tertiary institution (recognised by The University of Sydney) 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)*.)

***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. 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***

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)***

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 variation*.

***Deadlines (fees)***

The University has deadlines for the payment of fees (eg, HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record. (See also Barrier.)

***Dean***

The head of a faculty or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of Arts).

***Dean's certificate***

A statement from the dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use dean's certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

***Deferment***

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 or school***

The Senate Resolutions define a department or school as consisting of such of the members of the teaching staff and the research staff of the University and such other persons or classes of persons as are appointed to it or assigned to it by the Senate or the Vice-Chancellor on the recommendation of the faculty or college board concerned.

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.

Increasingly, as departments merge into larger schools, the term department is also used to describe the constituent parts of a school. Alternatively, the term Discipline is used. DEST uses the term Academic Organisational unit (AOU) and for reporting purposes each AOU is assigned a Field of Education classification.

***DEST***

The Department of Education, Science and Training (DEST) 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 and, annually, information about staff, finance, research and space allocation. Among other things, 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.

***Disciplinary action***

Undertaken as the result of academic or other misconduct – eg, plagiarism, cheating, security infringement, criminal activity.

***Discipline codes***

A four-letter code 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 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***

A mode of learning which 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. (See *Award course*, *Doctorate*, *PhD*.)

***Doctorate***

A high-level postgraduate award 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. (See also Award course, PhD.)

***Double degree***

Completing a second degree while enrolment is suspended from the first degree – eg, students enrolled in the Bachelor of Engineering may transfer to the Bachelor of Science, complete the requirements for the BSc and then resume the Bachelor of Engineering.

***Downgrade***

Where a student is enrolled in a PhD and where the research they are undertaking is not at an appropriate level for a PhD and the institution recommends that the student downgrade their degree to a Master's by Research course, or where the student, for personal or academic reasons, seeks to revert to a Master's by Research course. There would be no interval between the candidature for the PhD and Master's degree unless the interval was covered by a period of suspension.

With a downgrade, the research undertaken by the student while enrolled for the PhD would either be continued in the Master's by Research degree or modified to meet the requirements of the Master's program.

***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***

See *EFTSU*.

***Embedded courses/programs***

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 – eg, the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology sequence.

***Enrolment***

A student enrols 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***

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 variable for students both with relation to course and unit of study. (See *Course enrolment status* and *unit of study enrolment status*)

***Enrolment variation***

Students may vary their enrolment at the beginning of each semester. Each faculty determines its deadlines for variations, but HECS liability depends on the HECS census date. (See also *HECS*.)

***Examination***

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 time set each semester for the conduct of formal examinations.

***Examiner (coursework)***
The person assessing either the written/oral examination, coursework assignments, presentations, etc of a student or group of students.

***Exchange student***
Either a student of The University of Sydney who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

***Exclusion***
A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show 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*.)

***Exemption***
A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment. (See also *Credit*, *Waiver*.)

***Expulsion***
The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:
- the student is not allowed to be admitted or to re-enrol in any course at the University;
- the student does not receive their results;
- the student is not allowed to graduate; and
- the student does not receive a transcript or testamur.

***Extended 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***
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 formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The University Calendar sets out the constitution of each of the University's faculties. (See also Board of studies, Supervising faculty.)

***Fail***
A mark of less than 50% which is not a concessional pass. This grade may be used for students with marks of 46–49 in those faculties which do not use PCON. (See also *Results*.)

***Fee-paying students***
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 Senior Deputy Vice-Chancellor.

***Flexible learning***
See *Distance and Flexible Learning*.

***Flexible Start Date***
Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or HECS students.

***FlexSIS***
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. FlexSIS 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.

***FTE (Full-time equivalent)***
This is a measurement of staff resources and relates to the amount of time a staff member devotes to his/her current duties (ie, the job in which a staff member is working at the reference date of 31 March).

A staff member can have either a full-time, fractional full-time or casual work contract. A full-time work contract has an FTE of 1.0. A fractional full-time work contract has a value less than 1.0 (eg, 0.5).

Casual FTE values are calculated in the following manner:

$$Lecturng = \frac{ContactHours}{243}$$

$$Tutoring\backslash\text{Demonstrating} = \frac{ContactHours}{675}$$

$$Marking(\text{sin}gleActivity)\backslash\text{Research}\backslash\text{Other} = \frac{ContactHours}{1820}$$

The denominator values of the above equations represent the hours worked by one full-time staff member in each of the occupation groups – ie, Lecturing, Tutoring/Demonstrating, etc., as imputed by DEST.

***Full-time student***
See *Attendance status*, *EFTSU*.

***Funding Category***
Funding Category comprises the following:
(1) Funded from Operating Grant*,
(2) Fee-paying local postgraduates,
(3) Fee-paying local undergraduates,
(4) Fee-paying international students,
(5) Non-fee exchange international students,
(6) Non-award (local fee-paying),
(7) Research outside time limits,
(8) Funded by employer.

**Refers to HECS liable students, local students enrolled under the Research Training Scheme, and local disadvantaged students enrolled in an enabling course or holding a Commonwealth-funded merit-based undergraduate HECS-exemption scholarship.*

***GPOF (General Purpose Operating Funds)***
GPOF (General Purpose Operating Funds) includes:
*General income* – eg, Commonwealth and State base operating grants, fee income and miscellaneous income;
*Other (Non-DEST) activities* include commercial and other internal business activities not receiving a base operating grant allocation;
*Specific Operating allocations* includes PVC Research allocations (major equipment, etc.); and
*Research infrastructure allocations.*

***Grade***
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 also *Mark*.)

***Graduand***
A student who has completed all the requirements for an award course but has not yet graduated. (See also Graduation, Potential graduand.)

***Graduate***
A person who holds an award from a recognised tertiary institution. (See also *Graduand*, *Graduation*.)

***Graduate Certificate***
See *Award course*.

***Graduate Diploma***
See *Award course*.

***Graduate Register***
A list of all graduates of the University. (See also *Graduation*.)

***Graduation***
The formal conferring of awards either at a ceremony or in absentia. (See also *In absentia*, *Potential graduand*.)

***Graduation Ceremony***
A ceremony where the Chancellor confers awards upon graduands. The Registrar publishes the annual schedule of graduation ceremonies.

***Head of Department***
The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

***HECS (Higher Education Contribution Scheme)***
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 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. These are all determined annually by the Commonwealth Government.

***HECS census date***
The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST. The following dates apply:
- Semester 1: 31 March
- Semester 2: 31 August.

***Higher Doctorates***
See *Award course*.

***Higher Education Officer (HEO)***
General staff are employed under a ten level Higher Education Officer award structure. The structure, introduced at The University of Sydney in October 1993, applies to general staff in all Australian universities.

***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 I, Class II, Class III) and sometimes there are two divisions within Class II.

***HSC***
The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

***In absentia***
Latin for 'in the absence of'. Awards are conferred in absentia when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated in absentia may later request that they be presented to the Chancellor at a graduation ceremony. (See also *Graduation*.)

***Instrumental supervisor (teacher)***
All students at the Sydney Conservatorium of Music and BMus students on the Camperdown Campus have an instrumental teacher appointed. (See also *Advisor*, *Associate supervisor*, *Research supervisor*, *Supervision*.)

***Internal***
See Attendance mode.

***Internal transcript***
A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course together with the unit of study result. (See also *Academic transcript*, *External transcript*.)

***International student***
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*.)

***Joining fee***
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*.

***Legitimate co-operation***
Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through interaction between students.

***Liability status code***
A code used by DEST to identify the liability status of a student (eg, 10 – HECS liable deferred, 11 – HECS liable upfront with discount, 13 – PELS, 19 – Local UG full fee paying, 20 – Local PG full fee paying, 22 – International fee paying, etc.)

***Life membership***
Under some circumstances (eg, after five full-time years of enrolments and contributions) students may be granted life membership of various organisations. This means they are exempt from paying yearly fees. (See also Compulsory subscriptions.)

***Load***
The sum of the weights of all the units of study in which a student is enrolled. Each unit of study (subject) in which a student may enrol is assigned a weight. This is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. These weights can be aggregated in a number of different ways (by student, degree/course, department, faculty) to give student load. Student load is measured in terms of Equivalent Full-Time Student units (EFTSU).

A full-time research student is counted as 1.0 EFTSU while a part-time research student is counted as 0.5 EFTSU. (See also *EFTSU*, *HECS*.)

***Local student***
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 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 simultaneously.

***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 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.

***Misconduct***
(a) Conduct on the part of a student which is prejudicial to the good order and government of the University or impairs the reasonable freedom of other persons to pursue their studies or research in the University or to participate in the life of the University; and
(b) Refusal by a student to give satisfactory particulars of the student's identity in response to a direction to do so by a prescribed officer and any other form of wilful disobedience to a reasonable direction of a prescribed officer.

***Mixed Mode***
See *Attendance mode*.

***Mode***
See *Attendance mode* and *Delivery mode*.

***Model income***
Income allocated to Colleges through the University's funding model.

***Mutually exclusive units of study***
See *Prohibited combinations of units of study.*

***MyUni***
A personalised space for staff and students on The University of Sydney's intranet, called USYDnet. MyUni is used to deliver information and services directly 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***
A course 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 session***
A teaching session other than the standard February and August sessions – eg, Summer School, in which units of study are delivered and assessed in an intensive mode during January of each year, is an example of a non-standard session. (See also *Semester*, *Session*.)

***Not enrolled reason***
These reasons include: potential enrolment, did not re-enrol, not continuing, cancelled, on leave (suspended), transferred, under examination, completed.

***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*.

***PeopleSoft HRMS***
The University's Human Resources (HR) IT system.

***PELS (Postgraduate Education Loans Scheme)***
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).

***Permanent home address***
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. 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. In University Statistics publications, entries headed PhD include other Doctorates by advanced coursework and research, such as the S.J.D. and Ed.D. (See also *Award course*, *Doctorate*.)

***Plagiarism***
Presenting another person's ideas, findings or work as one's own by copying or reproducing them without the acknowledgement of the source.

***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.

***Potential graduand***
A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies. (See also *Graduand*, *Graduation*.)

***Pre-enrolment***
Pre-enrolment 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 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***
Awarded by the University, a faculty or a department for outstanding academic achievement.

***Probationary candidature***
A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

***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***
An academic attainment recognised by the University.

***Qualifier***
A mandatory (compulsory) prerequisite unit of study which must have a grade of Pass or better. (See also Assumed knowledge, Corequisite, Prerequisite, Waiver.)

***Recycling***
The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

***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 candidature***
Master's by research, PhD and other doctorates such as Doctor of Juridical Studies (SJD), but not Higher Doctorates – eg, DSc.

***Research course***
See Course (*research*).

***Research/coursework higher degrees***
A student's candidature in a higher degree is deemed to be by Research if 66% or more of the workload over the length of the degree is by research. Otherwise the candidature is deemed to be by Coursework.

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 supervisor

***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.–†no more than one sixth of the total credit points for a course can '. |
| F | Fail | A mark of 0-49. This grade may be used for students with marks of 46–49 in those faculties which do not use PCON. |
| AF | Absent fail | Includes non-submission of compulsory work (or non-attendance at compulsory labs, etc) as well as failure to attend an examination. |
| W | Withdrawn | Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a unit of study by the HECS census date (i.e. within the first four weeks of enrolment). |
| DNF | † 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 | † 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 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 automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status. |
| UCN | Incomplete | A MINC or INC grade is converted, on the advice of the dean, to UCN when all or many students in a unit of study have not completed the requirements of the unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (e.g. Honours). |

***RTS (Research Training Scheme)***
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.

***Scholarships***
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*.

***Semester***
A half-yearly teaching session whose dates are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard teaching period) must be given special permission by the Academic Board. (See also *Session, Non-standard teaching period.*)

***Semester address***
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 governing body of the University. (See the University Calendar for more details of its charter and powers.)

***Senate appeals***
Senate appeals are held for those students who, after being excluded by a faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues – ie, the department, faculty, board of study and, in the case of postgraduates, the Committee for Graduate Studies. (See also *Exclusion*.)

***Session***
Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester 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*.

***SID (Student Identifier)***
A 9-digit number which uniquely identifies a student at the University.

***Space allocation***
Departmental space has been measured in accordance with space inventory classifications adopted by DEST. Departmental space includes academic staff studies, non-academic staff offices, special purpose teaching rooms such as laboratories, studios, computer terminal rooms, seminar rooms under 35m2, common rooms, workshops, departmental storage spaces, departmental libraries, research space including laboratories and office accommodation, postgraduate rooms and a variety of special purpose departmental rooms. Where space is shared by a number of departments it is apportioned according to use. Departmental spaces do not include general teaching spaces over $35m^2$.

***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***
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***
Financial support of a student by a company or government body. Sponsors are frequently invoiced directly.

***SRS***
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 (equivalent to year/s of enrolment)***
For the purposes of administration, a course may be divided into stages to be studied consecutively. Part-time students progress through a course more slowly and would often enrol in the same stage more than once.

***Stream***
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, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

***Student Load***
See *Load*.

***Student/Staff Ratios (SSR)***
These are calculated on a departmental/faculty basis by dividing the student load attributable to a particular department/faculty by

the full-time equivalent academic staff employed to teach in or on behalf of that department/faculty.

***Student type***

Student type can be Local, International – Fee Paying, International – Study Abroad, International – Incoming Exchange, International – Sponsored Award.

***Study Abroad Program***

A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at The University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution. The program covers a broad spectrum of courses in Liberal Arts, Agriculture, Architecture, Economics, Education, Engineering, Health Sciences, Law, Music, Nursing and Science. (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 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***

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.*)

***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***

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 certificate of award provided to a graduate usually at a graduation ceremony.

***Thesis***

A major work that is the product of an extended period of supervised independent research.† means the earliest date at which a research student can submit the thesis. '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.*

***Tuition fees***

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)***

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***

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, discontinued or cancelled).

***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 to be outstanding.

***UPA***

University Postgraduate Award.

***Upgrade***

Where a student is enrolled in a Master's by research course and where the research they are undertaking is at such a standard that either the University recommends that the student upgrade their degree to a PhD or the student seeks to upgrade to a PhD and this is supported by the University. There would be no interval

between the candidature for the Master's degree and the PhD unless the interval was covered by a period of suspension.

With an upgrade, the research undertaken by the student while enrolled for the Master's by research degree would either be continued in the PhD or modified to meet the requirements for a PhD program.

***USYDnet***

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 and Principal***

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

***Waiver***

In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course. (See also *Credit, Exemption*.)

***WAM (Weighted Average Mark)***

This mark uses the unit of study credit point value in conjunction with an agreed 'weight'. The formula for this calculation is:

$$WAM = \frac{\sum(marks \times creditPointValue \times levelWeight)}{\sum(creditPointValue \times levelWeight)}$$

The 'marks' used in this formula are the actual marks obtained by the student in each unit of study, as recorded on the student's record, including any marks of less than 50, and in the case of a failing grade with no mark, the mark defaults to 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations, however the marks from all attempts at a unit of study are included.

Faculty resolutions may also include specific formulae for the purpose of calculating progression between years, or for calculating entrance into an honours year. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. (Effective from 1 January 2004.)

***YAM (Yearly Average Mark)***

This term has been renamed AAM (Annual Average Mark). See AAM in this Glossary.

***YFE (Year of First Enrolment)***

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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22219 = EXSS 2019
22220 = EXSS 2020
22221 = EXSS 2021
22222 = EXSS 2022
22223 = EXSS 2023
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25227 = REHB 2003
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25291/25291X = BACH 2115
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25492 = BACH 4080
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25501/25501X = BACH 5002
25502/25502X = BACH 5003
25503/25503X = BACH 5004
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255113X = REHB 5045
255114X = REHB 5046
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2551C = BACH 5056
2551CX = REHB 5042
2551DX = BACH 5024
2551EX = BACH 5025
2551F/2551FX = BACH 5026
2551G = BACH 5027
2551N = BACH 5034
2551P = BACH 5036
2551Q = BACH 5037
2551R = BACH 5038
2551S/2551SX = BACH 5039
2551U = BACH 5041
2551V/2551VX = BACH 5042
2551X/2551XX = BACH 5044
25520/25520X = BACH 5047
25523 = BACH 5050
25526 = BACH 5053
2552B/2552BX = BACH 5058
2552C = BACH 5059
2552E = BACH 5061
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2552J = BACH 5066
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2552L = BACH 5068
2552N = BACH 5070
2552RX = BACH 5074
25530X = REHB 5020
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2553E = BACH 5096
2553G = BACH 5098
2553I = BACH 5100
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2553LX = REHB 5014
2553MX = REHB 5016
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2553P = REHB 5022
2553Q/2553QX = REHB 5024
2553U/2553U = REHB 5032
2553V = REHB 5034
2553W = REHB 5036
2553Y/2553YX = BACH 5116
25540/25540X = BACH 5118
2554AX = BACH 5128
2554BX = BACH 5129
2554K/2554KX = BACH 5138
2554L = BACH 5139
2554M = BACH 5140
2554N = BACH 5141
2554P/2554PX = BACH 5143
2554U = BACH 5147
2554V = BACH 5148
2554X = BACH 5149
2554Y = BACH 5150
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2555E = BACH 5165
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2555J = BACH 5170
2555L = BACH 5172
2555N = BACH 5174
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2555T = BACH 5180
2555V = BACH 5182
25560 = BACH 5186
25564 = BACH 5190
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2556E/2556EX = BACH 5200
2556M = BACH 5208
2556Q = BACH 5212
2556R = BACH 5213
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2556U = BACH 5216
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2557P = BACH 5247
2557Q = BACH 5248
2557V = BACH 5253
2557W = BACH 5254
2557X = BACH 5255
2557Y = BACH 5256
25585/25585X = BACH 5263
25588 = BACH 5266
2558A/2558AX = BACH 5268
2558G = BACH 5274
2558M = BACH 5280
2558NX = BACH 5281
2558Q = BACH 5284
2558R = BACH 5285
2558S = BACH 5286
2558U = BACH 5288
2558V = BACH 5289
2558W/2558WX = BACH 5290
2558X/2558XX = BACH 5291
2558Y = BACH 5292
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25594 = BACH 5298
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25598 = BACH 5302
2559B/2559BX = BACH 5305
2559C/2559CX = BACH 5306
2559E = BACH 5308
2559F/2559FX = BACH 5309
2559G = BACH 5310
2559H = BACH 5311
2559I = BACH 5312
2559J/2559JX = BACH 5313
2559K = BACH 5314
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2559Q = BACH 5320
2559RX = BACH 5321
2559S/2559SX = BACH 5322
2559T = BACH 5323
2559V = BACH 5324
2559W = BACH 5325
2559X = BACH 5028
2559X/2559XX = BACH 5326
2559YX = BACH 5327
2559Z/2559ZX = BACH 5328
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26703 = DHSC 7003
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26R00B = DHSC 1003
26R00C = DHSC 1004
26R00D = DHSC 1005
27501X = GSDD 5001
27503/27503X = GSDD 5003
27504/27504X = GSDD 5004
27506X = GSDD 5006
27507X = GSDD 5007
27509X = GSDD 5009
27510X = GSDD 5011
27511X = GSDD 5012
27512X = GSDD 5013
27513X = GSDD 5014
27514X = GSDD 5015
27515X = GSDD 5016
27516X = GSDD 5017
27801 = GSDD 8001
27802 = GSDD 8002
28R01A = MASC 1001
28R01B = MASC 1002
28R01C = MASC 1003
28R01D = MASC 1004
29101 = BHSC 1001
29105 = BHSC 1011
29201 = BHSC 2001
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31104 = CHEM 1102
32201 = BCHM 2002
32202 = MBLG 2001
32203 = NUTR 2901
32204 = NUTR 2912
335100 = SEXH 5100
335101 = SEXH 5101
335102 = SEXH 5102
335104 = SEXH 5104
335105 = SEXH 5105

# Camperdown campus map

## University Buildings

O6 Aeronautical Engineering Building
J4 Anderson Stuart Building
G3 Badham Building
H3 Bank Building
L2 Baxter's Lodge
L8 Biochemistry and Microbiology Building
E6 Blackburn Building
E7 Bosch Building 1A
E7 Bosch Building 1B
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
J10 Darlington House
K9 Darlington Road Terraces
K5 Eastern Avenue Auditorium and 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 H.K.Ward Gymnasium
F2 Heydon-Laurence Building
G2 Holme Building
K8 Institute Building
N5 International House
F2 J.R.A.McMillan Building
D3 J.D.Stewart Building
F3 John Woolley Building
F1 Mackie Building
H3 MacLaurin Hall
H2 Macleay Building
G1 Margaret Telfer Building
J6 Madsen Building
H4 Manning House
H4 Manning Squash Courts
D3 McMaster Annexe
D3 McMaster Building
O6 Mechanical Engineering Building
A2 Medical Foundation Building
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 P.N.R.Building
E6 Queen Elizabeth II Research Institute
H5 R.C.Mills Building
F2 R.D.Watt Building
D4 R.M.C.Gunn Building
M9 Raglan Street Building
N7 Rose Street Building
E2 Ross Street Building
G2 Science Road Cottage
E1 Selle House
M10 Services Building
N6 Seymour Centre
K10 Shepherd Centre
O6 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
J10 University Garage
M9 University Sports and Aquatic Centre
D3 Veterinary Science Conference Centre
E6 Victor Coppleson Building
F3 Wallace Theatre
K7 Wentworth Building
E7 Western Avenue Carpark
M6 W.H.Maze Building
M6 Wilkinson Building

## Academic Colleges (offices)

H5 Health Sciences
F4 Humanities and Social Sciences
N8 Sciences and Technology

## Childcare Centres

K11 Boundary Lane
F9 Carillon Avenue
H1 Laurel Tree House
N9 Union

## Colleges and Residential Accommodation

J10 Darlington House
K9 Darlington Road Terraces
N5 International House
L10 Mandelbaum House
A4 Sancta Sophia College
C8 St Andrew's College
B5 St John's College
L6 St Michael's College
G7 St Paul's College
E1 Selle House
D10 Sydney University Village
F7 Wesley College
G8 Women's College

## Computer Access Centres (ITS)

G3 Brennan
G4 Education
K3 Fisher
N7 Link
L6 McGrath (Carslaw)
H3 Pharmacy

## Cultural Venues

G2 Footbridge Theatre
H2 Macleay Museum
J3 Nicholson Museum
N6 Seymour Centre
K7 Sir Hermann Black Gallery
M6 Tin Sheds Gallery
J2 War Memorial Art Gallery

## Faculties (offices)

F2 Agriculture
M6 Architecture
H3 Arts
K8 Economics and Business
G4 Education
N7 Engineering
H5 Medicine
H3 Pharmacy
L6 Science
D3 Veterinary Science

## Libraries

M6 Architecture
G3 Badham
H5 Burkitt-Ford
K3 Curriculum Resources
N8 Engineering
K3 Fisher
J6 Madsen
L6 Mathematics
E7 Medical
N6 Music
H6 Physics
H5 Schaeffer Fine Arts

## Retail

H3 Australia Post Office
H3 Bank Building
J9 Darlington Centre
G2 Holme Building
H4 Manning House
F5 The Arena Sports Centre
M9 University Copy Centre
K7 University Health Service
M9 University Sports and Aquatic Centre
M9 University Co-op Bookshop
D3 Veterinary Hospital and Clinic
K7 Wentworth Building

## Security

M10 Emergency Services
M10 Lost Property
J3 Information Centre
M10 Traffic and Parking

## Sports and Recreational Venues

K2 Fisher Tennis Courts
D4 HK Ward Gymnasium
H5 Lawn Tennis Courts
H4 Manning Squash Courts
F5 The Arena Sports Centre
G5 The Square
E5 University Oval No1
E3 University Oval No2
M9 University Sports and Aquatic Centre

## Unions and Associations (offices)

K7 Students' Representative Council (SRC)
M9 Sydney University Postgraduate Representative Association (SUPRA)
M9 Sydney University Sport
G2 University of Sydney Union

## University Administration and Services

F3 Business Liaison Office
F1 Careers Centre
G1 Cashier
F1 Centre for Continuing Education
H3 Chancellor
L10 Computing Centre
H3 Development, Alumni Relations and Events
M10 Development Services
H2 Executive Offices
J3 Information Centre
L10 Information Technology Services
L9 International Office
G1 Personnel
M10 Printing Services (UPS)
H2 Publications Office
H3 Research Office
M10 Room Bookings and Venue Management
F1 Scholarships Unit
L5 Student Centre
G1 Student Housing
G4 Student Services Unit
K8 Summer School
C3 Veterinary Hospital and Clinic
H2 Vice-Chancellor

# 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)
Rehabilitation Research Centre

**D** Australian Stuttering Research Centre
Physiotherapy Research

**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** Driver Rehabilitation
Occupation and Leisure Sciences

**K** Exercise and Sport Science

**L** Anatomy and Physiology Laboratories

**M** Medical Radiation Sciences – Levels 0, 1 and 2

**M** 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 Level 0
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

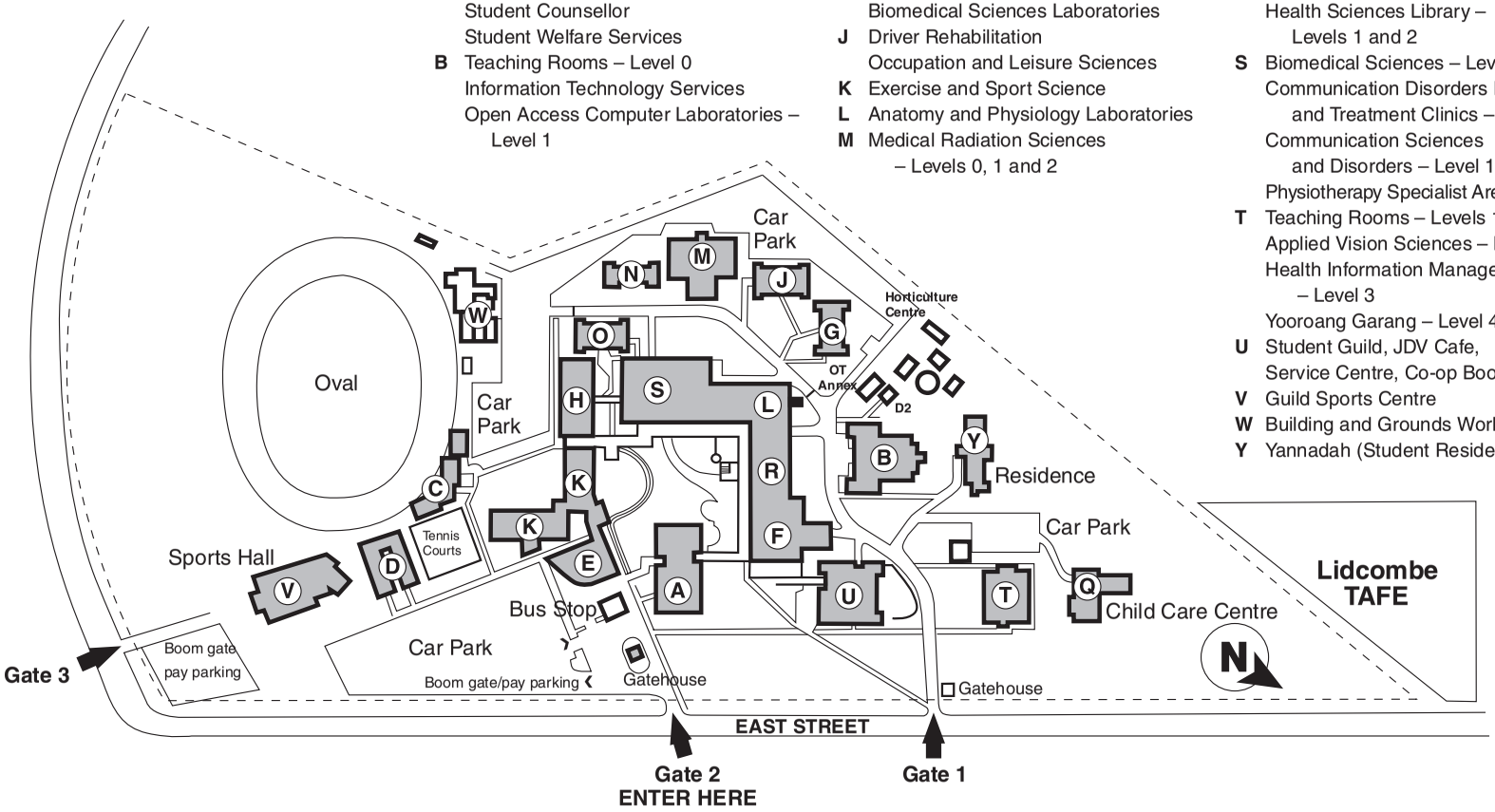
**T** Teaching Rooms – Levels 1 and 2
Applied Vision Sciences – Level 3
Health Information Management – Level 3
Yooroang Garang – Level 4

**U** Student Guild, JDV Cafe, Service Centre, Co-op Bookshop

**V** Guild Sports Centre

**W** Building and Grounds Workshop

**Y** Yannadah (Student Residence)

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